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## Purpose of this Publication

This publication provides a description of those programs and activities of Baylor University which are indicated in the title and text. It is not an offer to make a contract.

The administration and faculty of Baylor University believe that the educational and other programs of Baylor University, including those described herein, are effective and valuable, and that they provide skills and/or understanding in keeping with the subject matter of the program.

The ultimate results of programs offered, however, in terms of achievement, employment, professional licensing, or other measure, are also dependent on factors outside the programs, such as the personality and energy of the students, governmental or institutional regulations, and market conditions. Therefore, except as specifically stated herein, Baylor University makes no representation or contract that following a particular course or curriculum will result in specific achievement, employment or qualification for employment, admission to degree programs, or licensing for particular professions or occupations.

It is sometimes necessary or appropriate to change the programs offered. Baylor University retains the right to terminate or change any and all aspects of its educational and other programs at any time without prior notice.

## Notice of Nondiscriminatory Policy

Baylor University complies with all applicable federal and state nondiscrimination laws, and does not engage in prohibited discrimination on the basis of race, color, nationality or ethnic origin, gender, age, disability or veteran status in either employment or the provision of services. The University is governed by a predominantly Baptist Board of Regents and is operated within the Christian-oriented aims and ideals of Baptists. Baylor is also affiliated with the Baptist General Convention of Texas, a cooperative association of autonomous Texas Baptist churches. As a religiously-controlled institution of higher education, Baylor University is exempted from compliance with some provisions of certain civil rights laws, including some provisions of Title IX of the Education Amendments of 1972.

## Equal Access to University Educational Programs

Baylor University provides equal access to all University educational programs to every qualified student. However, if any student requires special personal services or equipment, the student will be responsible

for the expenses thereof. This policy includes the expense of providing personal tutors, personal attendants, medical technicians, and so forth. The Office of Access and Learning Accommodation (OALA) will assist such a student in communicating with the proper community or governmental agency to secure any available financial assistance to meet his or her needs.

## Directory Information

Directory information is that information that is customarily made public without the written consent of the student. However, under the provisions of the Family Educational Rights and Privacy Act of 1974, a student may ask Baylor University not to disclose directory information by making written notice to the Office of the Registrar. Requests for nondisclosure will be honored by the university until notified in writing that information should no longer be withheld. **Directory information includes: name, address, telephone number, e-mail address, dates of attendance, level and classification, university ID card photograph, previous institution(s) attended, field(s) of study, awards, scholarships, honors, degree(s) conferred and date(s), full-time/part-time status, earned hours, expected graduation date or degree candidacy, thesis and dissertation titles and advisors, past and present participation in officially recognized sports and activities, physical factors of athletes (e.g. age, height, weight), and date and place of birth.**

## Legal Notice

If you are applying for admission to a program that may prepare you for an occupational license and/or if you later decide to change to such a program, Texas law requires that Baylor notify you of your potential ineligibility to obtain a license due to prior criminal convictions. For more information visit <https://www.baylor.edu/admissions/index.php?id=948617> (<https://www.baylor.edu/admissions/?id=948617>).

## Student Aid Information

Financial aid programs available to undergraduate students include academic and need-based scholarships, grants, Federal Work-Study, federal educational loans, and alternative loans through various private lenders. Students interested in consideration for financial aid should complete the Free Application for Federal Student Aid (FAFSA) online at [www.studentaid.gov](http://www.studentaid.gov) (<http://fafsa.gov>). Incoming students interested in consideration for university need-based scholarships should complete the CSS Profile online at [www.cssprofile.org](https://cssprofile.collegeboard.org/?excmid=vt-00231) (<https://cssprofile.collegeboard.org/?excmid=vt-00231>) during their incoming year. Visit the Student Financial Aid Office website at [www.baylor.edu/sfs](http://www.baylor.edu/sfs) (<https://www.baylor.edu/sfs/>) for additional information regarding the financial aid application process.

The provisions of this catalog do not constitute a contract, expressed or implied, between Baylor University and any applicant, student, student's family, faculty, or staff member. Baylor University reserves the right to withdraw courses at any time, or change fees, tuition, rules, calendar, curricula, degree programs, degree requirements, graduation procedures, and any other requirement affecting students. Changes will become effective at the time the proper authorities so determine, and the changes will apply to both prospective students and those already enrolled. This catalog is a general information publication only and it is not intended to nor does it contain all regulations that relate to students.

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## Mission Statement of Baylor University

*The mission of Baylor University is to educate men and women for worldwide leadership and service by integrating academic excellence and Christian commitment within a caring community.*

Chartered in 1845 by the Republic of Texas and affiliated with the Baptist General Convention of Texas, Baylor is both the state's oldest institution of higher learning and the world's largest Baptist university. Established to be a servant of the church and of society, Baylor seeks to fulfill its calling through excellence in teaching and research, in scholarship and publication, and in service to the community, both local and global. The vision of its founders and the ongoing commitment of generations of students and scholars are reflected in the motto inscribed on the Baylor seal: *Pro Ecclesia, Pro Texana* -- For Church, For Texas.

**Pro Ecclesia.** Baylor is founded on the belief that God's nature is made known through both revealed and discovered truth. Thus, the University derives its understanding of God, humanity, and nature from many sources: the person and work of Jesus Christ, the biblical record, and Christian history and tradition, as well as scholarly and artistic endeavors. In its service to the church, Baylor's pursuit of knowledge is strengthened by the conviction that truth has its ultimate source in God and by a Baptist heritage that champions religious liberty and freedom of conscience. Without imposing religious conformity, Baylor expects the members of its community to support its mission. Affirming the value of intellectually informed faith and religiously informed education, the

University seeks to provide an environment that fosters spiritual maturity, strength of character, and moral virtue.

**Pro Texana.** Integral to its commitment to God and to the church is Baylor's commitment to society. Whereas that society in the mid 1800s was limited to Texas, today Baylor's sphere of influence is indeed the world. The University remains dedicated to the traditional responsibilities of higher education -- dissemination of knowledge, transmission of culture, search for new knowledge, and application of knowledge -- while recognizing the global proportions these responsibilities have assumed. Moreover, within the context of an ethnically and culturally diverse community, Baylor strives to develop responsible citizens, educated leaders, dedicated scholars, and skilled professionals who are sensitive to the needs of a pluralistic society. To those ends, Baylor provides expanded opportunities for civic education and for church and community service at home and abroad.

**Pro Ecclesia, Pro Texana.** Baylor University is committed to excellence at the undergraduate, graduate, and professional levels. Within the undergraduate programs, the University seeks to familiarize students with the principal bodies of knowledge, cultural viewpoints, belief systems, and aesthetic perspectives that affect the world in which they live. Within the graduate and the professional programs, the University provides advanced educational opportunities to develop ethical and capable scholars and practitioners who contribute to their academic disciplines, professional fields, and society. Baylor encourages all of its students to cultivate their capacity to think critically, to assess information from a Christian perspective, to arrive at informed and reasoned conclusions, and to become lifelong learners. Beyond the intellectual life, the University pursues the social, physical, ethical, and spiritual development of each student.

Aware of its responsibility as the largest Baptist educational institution in the world and as a member of the international community of higher learning, Baylor promotes exemplary teaching, encourages innovative and original research, and supports professional excellence in various specialized disciplines. Advancing the frontiers of knowledge while cultivating a Christian world-view, Baylor holds fast to its original commitment -- to build a university that is *Pro Ecclesia, Pro Texana*.

## Historical Highlights of Baylor University

Baylor University was founded under the leadership of Judge R.E.B. Baylor, Reverend James Huckins, and Reverend William Milton Tryon, three visionary pioneer missionaries working through the Texas Baptist Education Society. They, along with other associations, sent representatives in 1848 to create the Baptist State Association, which later became the Baptist State Convention.

| Year | Highlight   |
|------|---|
| 1845 | Baylor chartered on February 1 by the Republic of Texas.  |
| 1849 | Instruction in law began.   |
| 1857 | School of Law organized.  |
| 1883 | School of Law closed.   |
| 1920 | School of Law reorganized.  |
| 1886 | Baylor merged with Waco University and moved to Waco.   |
| 1903 | College of Medicine organized in Dallas by assuming responsibility for operations of the University of Dallas Medical Department. |



|      |  |
|------|--|
| 1943 | Moved to Houston.  |
| 1969 | Given independent status.  |
| 1903 | College of Pharmacy organized in Dallas.   |
| 1930 | College of Pharmacy terminated.  |
| 1905 | Theological Seminary organized in Waco.  |
| 1907 | Separated from Baylor University.  |
| 1910 | Moved to Fort Worth.   |
| 1918 | College of Dentistry organized in Dallas by taking over the State Dental College, founded in 1905.   |
| 1971 | The College was separately incorporated in 1971, although Graduate programs continued to be offered through Baylor University.   |
| 1996 | The College became a part of the Texas A&M System on September 1.  |
| 1919 | Baylor Hospital organized in Dallas, now Baylor University Medical Center.   |
| 1919 | College of Arts and Sciences organized.  |
| 1919 | College of Fine Arts organized, which consisted of offerings in music and in expression.   |
| 1921 | Terminated in favor of the present School of Music.  |
| 1919 | School of Education organized.   |
| 1921 | Training School of the Texas Baptist Memorial Sanitarium, originally organized as a diploma-granting program in 1909, incorporated into Baylor University as Baylor Hospital School of Nursing.  |
| 1950 | The School of Nursing reorganized as an academic unit of Baylor University offering a Bachelor of Science in Nursing degree.   |
| 2000 | Renamed Louise Herrington School of Nursing in honor of Louise Herrington Ornelas.   |
| 1921 | School of Music organized.   |
| 1923 | School of Business organized.  |
| 1959 | Renamed Hankamer School of Business in honor of Mr. and Mrs. Earl Hankamer of Houston.   |
| 1947 | Graduate School organized. (Graduate study and degrees have been offered since 1894.)  |
| 1951 | Graduate program in hospital administration established in conjunction with the Army Medical Field Service School, Fort Sam Houston.   |
| 1971 | Graduate program in physical therapy added at Fort Sam Houston.  |
| 1971 | Program in physician's assistant added in collaboration with the Army Medical Field Service School, Fort Sam Houston; terminated in 1977.  |
| 1972 | Army Medical Field Service School renamed Academy of Health Sciences of the U.S. Army.   |
| 1973 | Baylor University Memorandum of Agreement with the U.S. Army Academy of Health Sciences affiliated over 20 programs of instruction with 150 course offerings for academic credit at Baylor University; terminated in 1977 for all programs except Health Care Administration and Physical Therapy. |
| 1987 | University School organized. Responsibilities reassigned to other academic units in 1992.  |
| 1993 | George W. Truett Theological Seminary organized in Waco.   |
| 1994 | Seminary classes began.  |

|      |   |
|------|---|
| 1995 | School of Engineering and Computer Science organized.   |
| 2002 | Honors College organized.   |
| 2005 | School of Social Work granted independent status from the College of Arts and Sciences.   |
| 2015 | Renamed Diana R. Garland School of Social Work in honor of its inaugural dean, Diana R. Garland, Ph.D.                                      |
| 2014 | Robbins College of Health and Human Services organized.   |
| 2021 | Achieved "R1" status by the Carnegie Classification of Institutions of Higher Education as a university with "very high research activity." |

## Board of Regents

Jay A. Brown  
 Tyler C. Cooper  
 Diane D. Dillard  
 Sarah Gahm  
 Kristina "Krissy" Doerner Guidi  
 Larry P. Heard  
 Michael P. Heiskell  
 Paula R. Hurd  
 Neal Jeffrey  
 Mark E. Lovvorn  
 Katie Jo Lunningham  
 Rene Maciel  
 Jill Manning  
 William "Bill" E. Mearse  
 Michael McFarland  
 Melissa Purdy Mines  
 Alicia D.H. Monroe  
 B. Todd Patterson  
 Randolph "Randy" L. Pullin  
 Todd A. Reppert  
 Mark Rountree  
 Manny Ruiz  
 David M. Slover  
 Kim Stevens  
 Julie Hermansen Turner  
 Dennis R. Wiles  
 Don Willett

## Honoris Causa Regents

Faith Cederholm Beaty  
 Sarah L. Dolan  
 Sher Isada  
 Ally Perkins  
 Mark V. Petersen  
 Brian Raines

Regents as of May 31, 2022

## Administration

### President's Council

| Name                                      | Title   |
|---|---|
| Linda A. Livingstone, B.S., M.B.A., Ph.D. | President   |
| Nancy W. Brickhouse, B.S., M.A., Ph.D.    | Vice President and Provost  |
| Jason D. Cook, B.A.                       | Vice President for Marketing and Communications and Chief Marketing Officer |
| Brett Dalton, B.B.A., M.B.A.              | Chief Business Officer  |
| Robyn L. Driskell, B.A., M.A., Ph.D.      | Vice President and Chief Compliance and Risk Officer                        |
| Malcolm Foley, B.A., M.Div.               | Special Advisor to the President for Equity & Campus Engagement             |
| Cheryl Gochis, B.A., M.A.                 | Vice President for Human Resources and Chief Human Resources Officer        |
| Tiffany Hogue, B.A., J.D.                 | Chief of Staff to the President   |
| Christopher W. Holmes, B.A., J.D.         | General Counselor and Chief Legal Officer and Corporate Secretary           |
| Kevin P. Jackson, A.A., B.A., M.A., Ph.D. | Vice President for Student Life   |
| Kristy J. Orr, B.A., LLD, J.D.            | Board Professional  |
| Mack Rhoades, IV, B.S., M.S.              | Vice President and Director of Intercollegiate Athletics                    |
| David P. Rosselli, B.A., M.A.             | Vice President for University Advancement                                   |

## Academic Deans & Vice Provosts

### Deans

| Name  | Title  |
|---|--|
| Jeffrey Archer, MLIS                        | Dean, University Libraries                                 |
| Sheri L. Dragoo, B.S., M.S., Ph.D.          | Interim Dean, Robbins College of Health and Human Sciences |
| Linda Plank, R.N., NEW-BC, Ph.D.            | Dean, Louise Herrington School of Nursing                  |
| Douglas V. Henry, B.A., M.A., Ph.D.         | Dean, Honors College                                       |
| J. Larry Lyon, B.A., M.A., Ph.D.            | Dean, Graduate School                                      |
| Sandeep Mazumder, B.A., M.A., M.A., Ph.D.   | Dean, Hankamer School of Business                          |
| Shanna Hagan-Burke, B.A., M.A., Ph.D.       | Dean, School of Education                                  |
| Gary Mortensen, B.M.E., M.M., D.M.A.        | Dean, School of Music                                      |
| Lee C. Nordt, B.S., M.S., Ph.D.             | Dean, College of Arts and Sciences                         |
| Dennis L. O'Neal, B.S., M.S., Ph.D.         | Dean, School of Engineering and Computer Science           |
| Jon Singletary, B.A., M.Div., M.S.W., Ph.D. | Dean, Diana R. Garland School of Social Work               |
| Todd D. Still, B.A., M.Div., Ph.D.          | Dean, George W. Truett Theological Seminary                |

Bradley J.B. Toben, B.A., J.D., Dean, School of Law LL.M.

### Vice Provosts

| Name                                    | Title  |
|---|--|
| Lori Baker, B.A., M.A., Ph.D.           | Vice Provost for Faculty Development and Diversity                     |
| James M. Bennighof, B.M., M.A., Ph.D.   | Vice Provost for Faculty Affairs                                       |
| Gary R. Carini, M.P.A., M.A., Ph.D.     | Vice Provost for Institutional Research and Professional Education     |
| Kevin Chambliss, B.S., Ph.D.            | Vice Provost for Research  |
| Jeffrey S. Hamilton, B.A., M.A., Ph.D.  | Vice Provost for Global Engagement                                     |
| J. Wesley Null, B.S.Ed., M.S.Ed., Ph.D. | Vice Provost for Undergraduate Education & Institutional Effectiveness |
| Lisa Rhiney, B.A., M.B.A., C.P.A.       | Vice Provost for Administration and Operations                         |

## Student Life Officers

| Name   | Title  |
|--|--|
| Burt Burleson, B.A., M.Div., D.Min.          | University Chaplain  |
| Sharra Hynes, B.Med., M.M.E., Ph.D.          | Associate Vice President for Student Life and Dean for Student Learning and Engagement |
| James G. Marsh, Ph.D.                        | Dean for Student Health and Wellness and Executive Director for Counseling Services    |
| Bethany McCraw, B.S., M.S., B.S.Ed., M.S.Ed. | Associate Dean for Student Conduct Administration                                      |
| Elizabeth D. Palacios, B.A., M.S.Ed., Ph.D.  | Dean for Student Development   |

## Campus Safety

| Name                      | Title   |
|---------------------------|---|
| Mark Childers, B.S., M.S. | Associate Vice President - Public Safety and Security |
| John Kolinek, B.S.        | Chief of Police                                       |

## Institutional Accreditation

Baylor University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate, masters, and doctoral degrees. Questions about the accreditation of Baylor University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404)679-4500, or by using information available on SACSCOC's website (<https://sacscoc.org/>).

In addition, the University and its schools, departments, and programs are accredited by, and/or hold membership in, the following organizations:

## Institutional Memberships

- The Association of Texas Colleges and Universities
- The Association of American Colleges and Universities
- The American Council on Education

- The Southern University Conference
- The American Council of Learned Societies
- The Texas Council of Church-Related Colleges
- The Association of Southern Baptist Colleges and Schools
- The Lilly Fellows National Network of Church-Related Colleges and Universities
- The American Association of University Women
- The American Society of Allied Health Professions

## Colleges and Schools

### College of Arts and Sciences

- Member: Council of Colleges of Arts and Sciences (CCAS)
- Honor Society Chapter: Phi Beta Kappa

### Hankamer School of Business

- Accredited for accounting and business by the Association to Advance Collegiate Schools of Business (AACSB International)
- Honor Society: Beta Gamma Sigma

### School of Education

- Approved by the State Board for Educator Certification (SBEC)
- Member: The American Association of Colleges for Teacher Education (AACTE)
- Honor Society: Kappa Delta Pi

### School of Engineering and Computer Science

- Accredited for the BSCS in Computer Science by the Accreditation Board for Engineering and Technology - Computing Accreditation Commission (ABET-CAC)
- Accredited for the BSE in Engineering, the BSECE in Electrical and Computer Engineering, and the BSME in Mechanical Engineering by the Accreditation Board for Engineering and Technology - Engineering Accreditation Commission (ABET-EAC)

### Graduate School

- Member: The Council of Graduate Schools
- Member: The Association of Texas Graduate Schools
- Member: The Conference of Southern Graduate Schools
- Member: The Midwestern Association of Graduate Schools

### Robbins College of Health and Human Sciences

- Member: Society for Public Health Education-American Association for Health Education (SOPHE)

### School of Law

- Accredited by the American Bar Association (ABA)
- Member: The Association of American Law Schools (AALS)

### School of Music

- Accredited by The National Association of Schools of Music (NASM)
- Member: The Texas Association of Music Schools (TSHA)
- Honor Society Chapter: Pi Kappa Lambda

### Louise Herrington School of Nursing

- Accredited by the Commission on Collegiate Nursing Education (CCNE)
- Approved by the Texas State Board of Nurse Examiners (BON)

- Member: The Southern Regional Education Board (SREB), Council on Collegiate Education for Nursing (CCEN)
- Member: The American Association of Colleges of Nursing (AACN)

### Diana R. Garland School of Social Work

- Accredited by the Council on Social Work Education (CSWE)

### George W. Truett Theological Seminary

- Accredited by The Association of Theological Schools (ATS)

## Departments and Programs

- American Studies: Member, The American Studies Association (ASA) and The American Studies Association of Texas (ASAT)
- Art & Art History: Member, Texas Association of Schools of Art (TASA), American Alliance of Museums (AAM), Association of Academic Museums and Galleries (AAMG), Museum Association of Waco, National Council of Arts Administrators (NCAA), and Texas Association of Museums (TAM)
- Athletic Training: Accredited by the Commission on Accreditation of Athletic Training Education (CAATE)
- Aviation Sciences: Member, The University Aviation Association (UAA)
- Chemistry: Approved by the American Chemical Society (ACS)
- Communication Sciences and Disorders: Accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association (CAA-ASHA)
- Community Health: Approved by the Society for Public Health Education and American Association for Health Education Baccalaureate Program Approval Committee (SABPAC)
- English: Member, Modern Language Association (MLA), The English Institute, Association of Writers and Writing Programs (AWP), and Friends of Cambridge University Library
- Environmental Health Science: Member, Association of Environmental Health Academic Programs (AEHAP); Bachelor of Science in Environmental Health Science accredited by The National Environmental Health Science and Protection Accreditation Council (EHAC)
- Health Care Administration graduate program: Accredited by the Commission on Accreditation of Healthcare Management Education (CAHME)
- Interior Design: Accredited by the Council for Interior Design Accreditation (CIDA)
- Journalism, Public Relations and New Media: Accredited by the Accrediting Council on Education in Journalism and Mass Communication (ACEJMC)
- Mathematics: Member, American Mathematical Society (AMS), Association for Women in Mathematics (AWM), Mathematical Association of America (MAA), and Mathematical Sciences Research Institute (MSRI)
- Modern Languages and Cultures: Member, Association of Departments of Foreign Languages (ADFL), Modern Language Association (MLA), and South Central Modern Language Association.
- Nurse Anesthesia graduate program: Accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs (COA-CRNA)
- Nurse Midwifery graduate program: Accredited by the Accreditation Commission for Midwifery Education (ACME)

- Nutrition Sciences: Accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND)
- Occupational Therapy graduate program: Candidate for accreditation with the American Council for Occupational Therapy Education (ACOTE)
- Political Science: Member, American Political Science Association (APSA)
- Physical Therapy graduate program: Accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE)
- Physical Therapy D.Sc. in Sports Medicine: Accredited by the American Board of Physical Therapy Residency and Fellowship Education (ABPTRFE)
- Physical Therapy D.Sc. in Orthopaedic Manual Physical Therapy: Accredited by the Accreditation Council on Orthopaedic Manual Physical Therapy (ACOMPTE)
- Psychology: Psy.D. in Clinical Psychology: Accredited by American Psychological Association (APA)
- Public Health: Accredited by the Council on Education for Public Health (CEPH)
- Religion: Member, Baptist History and Heritage; Hispanic Theological Initiative Consortium, National Association of Baptist Professors of Religion (NABPR) and Southwest Commission on Religious Studies
- Theatre Arts: Accredited by the National Association of Schools of Theatre (NAST)

- Has attended college only in the summer immediately following high school graduation

## Application Deadlines

| Date                | Decision                       | Notification By             |
|---------------------|--------------------------------|-----------------------------|
| <b>Spring Entry</b> |                                |                             |
| November 15         |                                | Rolling notification        |
| <b>Fall Entry</b>   |                                |                             |
| November 1          | Early decision I (binding)     | Notification by December 15 |
| November 1          | Early Action (non-binding)     | Notification by January 15  |
| February 1          | Early Decision II (binding)    | Notification by March 1     |
| February 1          | Regular Decision (non-binding) | Notification by April 10    |

**Note:** Applications received after February 1 are considered if space is available.

## Application Requirements

Freshman applicants must submit the results of either the SAT or the ACT (unless applying as Test Optional), a high school transcript with GPA and an essay. Students applying as an Early Decision applicant must also submit the following:

- Student Early Decision agreement,
- Parent Early Decision agreement (a parent must sign),
- High school counselor Early Decision agreement (a high school counselor must sign), and
- Complete a short answer question.

In evaluating applicants, Undergraduate Admissions seeks to ensure that each student is academically ready for the Baylor classroom. We recommend that high school graduates have taken the following course work:

| Subject   | Units        |
|---|--------------|
| English   | 4-year units |
| Foreign Language (same language)  | 2-year units |
| Mathematics (including Algebra I, Geometry and Algebra II)  | 4-year units |
| Natural Science, laboratory (should include biology and chemistry for students who plan to enter programs in pre dentistry, premedicine or nursing) | 4-year units |
| Social Science (should include one or more history)   | 3-year units |

In compliance with federal law (20 U.S. C. Section 1001; 34 C.F.R. Section 600.4), a degree-seeking applicant who is a graduate of a private high school (including home school) not officially recognized by the state in which the school is located (or by the country if an international school) must normally be 17 years old before the first day of class unless the GED certificate is submitted prior to registration.

**Note:** Applicants may be requested to provide additional information as a result of the individual review process.

## Transfer Admission

A transfer student is one who has attempted college work beyond the summer immediately following high school graduation. Someone whose only college credits were taken for dual credit or to meet high school

## Academic Calendar

### Undergraduate Academic Calendars

Please visit the appropriate link below to view the current Undergraduate Calendars:

- Undergraduate Academic Calendar (<https://www.baylor.edu/calendar/?id=968801>)
- Trimester Academic Calendar (<https://www.baylor.edu/calendar/?id=970311>)
  - Online Fast-Bacc Nursing program only

## Admissions

Admission to Baylor University ("Baylor" or "the University") is by formal application to Undergraduate Admissions. Consideration for admission to Baylor is highly competitive. Baylor seeks to enroll students with strong academic preparation who show the greatest potential to succeed.

Students may be admitted to Baylor either as degree-seeking students or as non-degree seeking students. The University, in maintaining the standards and ideals for which it stands, reserves the right to refuse admission to any applicant. The University also reserves the right to revoke admission and/or expel students who falsify, misrepresent, or knowingly omit information on the application for admission or who violate Baylor's student conduct standards.

## Freshman Admission

A freshman is one who meets one of the following criteria:

- Has never attended college
- Has attended college prior to high school graduation (earning dual or advanced credit)

graduation requirements is not a transfer student; (please reference the freshman admission policies above).

Students who wish to transfer to Baylor from another college or university should plan to do so no later than the end of their sophomore year, as Baylor requires that the last 60 semester hours must be earned in residence. A maximum of 70 semester hours may be transferred in to Baylor, with a maximum of 15 hours post-matriculation. Students must be eligible to re-enroll at any college or university they have previously attended. Learn more about Baylor's transfer credit policies at [baylor.edu/admissions/transfer](http://baylor.edu/admissions/transfer) (<http://baylor.edu/admissions/transfer/>).

## Transfer Application Deadlines

| Entry  | Date        |
|--------|-------------|
| Spring | November 15 |
| Summer | May 15      |
| Fall   | June 1      |

Transfer applications are reviewed on a rolling basis. Decisions are generally communicated within 2 to 4 weeks after a completed application is submitted.

**Note:** Applications received after the stated deadlines are reviewed on a space-available basis.

## Application Requirements

Consideration for admission to Baylor is highly competitive. Baylor seeks to enroll transfer students with strong academic preparation who show the greatest potential to succeed. Some majors have specific transfer academic requirements. Learn more information at [baylor.edu/admissions/transfer](http://baylor.edu/admissions/transfer) (<http://baylor.edu/admissions/transfer/>).

### Applicants With Less Than 24 Hours

Transfer applicants who have earned less than 24 semester hours must submit the results of either the SAT or ACT (unless requesting approval to apply Test Optional) and an official, final high school transcript. In addition, applicants must submit official transcripts from each college attended, reporting all classes attempted for each semester enrolled.

### Applicants With More Than 24 Hours

Transfer applicants who have earned more than 24 semester hours must submit official transcripts from each college attended, reporting all classes attempted for each semester enrolled.

**Note:** Applicants may be requested to provide additional information as a result of individual review process.

## International Student Admission

International citizens are defined as either an entering freshman or entering transfer student according to criteria outlined in the above sections. International citizens should submit the application for admission at least four months prior to the expected term of entry to allow time for issuing of the U.S. Government Form I-20.

## Freshman Application Deadlines

| Date                | Decision | Notification         |
|---------------------|----------|----------------------|
| <b>Spring Entry</b> |          |                      |
| November 15         |          | Rolling notification |
| <b>Fall Entry</b>   |          |                      |

|            |                                |                             |
|------------|--------------------------------|-----------------------------|
| November 1 | Early Decision I (binding)     | Notification by December 15 |
| November 1 | Early Action (non-binding)     | Notification by January 15  |
| February 1 | Early Decision II (binding)    | Notification by March 1     |
| February 1 | Regular Decision (non-binding) | Notification by April 10    |

## Transfer Application Deadlines

| Entry  | Date        | Notification         |
|--------|-------------|----------------------|
| Spring | November 15 | Rolling notification |
| Fall   | June 1      | Rolling notification |

## Application Requirements

See above for specific freshmen and transfer application requirements.

In addition, International citizens must demonstrate English proficiency; which may be documented in one of the following ways:

- An official transcript showing the completion of one year of full-time study at a school located in the United States
- An official statement of the completion of one year of full-time study at a school where English is the official language of instruction
- Official exam results; refer to [www.baylor.edu/admissions/international/](http://www.baylor.edu/admissions/international/) for specific score requirements.
- Regional exam results; as approved

Students (either non-U.S. citizens or U.S. passport holders) who have completed work at either a secondary school or college/university located outside of the United State must adhere to specific guidelines when submitting transcripts: Reference [baylor.edu/admissions/international/](http://www.baylor.edu/admissions/international/) (<http://www.baylor.edu/admissions/international/>) for a complete list of guidelines.

Applicants who are not citizens of the United States must demonstrate the ability to meet the expenses of Baylor University. Baylor will not evaluate freshman applications until this requirement has been satisfied.

**Note:** Non-U.S. citizens attending a secondary school outside of the U.S. are not required to submit standardized test scores for admission to Baylor.

## Other Applicant Types

### Non-Degree Seeking Students

A non-degree seeking student is one who desires to enroll in classes at Baylor but does not intend to pursue a degree from Baylor. Students may desire to take classes for one of the following reasons:

- Exchange: An exchange student is one who is pursuing a degree at another school and will be participating in one of Baylor's exchange programs.
- Study Abroad: Students desiring to participate in one of Baylor's study abroad programs who are pursuing a degree at another college or university may apply as a non-degree seeking student.
- Visiting students: Students currently attending another university who want to take Baylor classes and have these credits transferred to their current school.



- Enrollment as a High School Student: Superior high school students applying as a pre-college student are reviewed on an individual basis.
- Personal enrichment
- Global Gateway: International citizens who do not meet Baylor's English proficiency requirements may apply to enroll through the Global Gateway Program.

## Degree Seeking Students

Students who have earned a bachelor's degree prior to application to Baylor may seek a second degree as long as it is different from the first degree or major.

**Note:** Learn more about specific application requirements for other applicant types at [www.baylor.edu/admissions](http://www.baylor.edu/admissions) (<http://www.baylor.edu/admissions/>).

## Readmission of Former Baylor Students

Undergraduate Baylor students who are seeking to return to Baylor, but withdrew from or were not enrolled in the fall or spring term (trimester-based programs include summer terms) before their desired return term, will need to complete a Returning Student Reactivation Form.

## Individual Approval

Applicants who wish to pursue a degree but who do not qualify for admission may be offered admission at the discretion of the Admissions Committee. Such admission may involve special requirements specific to each request. In addition, applicants who possess special talents or abilities in music, visual or performing arts, athletics, or have other extenuating circumstances and wish to pursue a degree but do not qualify for admission may be offered admission at the discretion of the Admissions Committee upon request of a Dean or athletic coach via the Athletics Compliance Office. Such admissions may involve special requirements specific to each request.

## Enrollment Deposit

All accepted degree-seeking students must pay an enrollment deposit by the specific deadline stated in the acceptance letter and the student's goBAYLOR (<https://www.baylor.edu/content/login/?id=873915&r=https%3A%2F%2Fwww.baylor.edu%2Fgobaylor%2Findex.php%3Fid%3D873915>) account. Once the deposit is processed, applicants may submit the Housing Application through their goBAYLOR (<https://www.baylor.edu/content/login/?id=873915&r=https%3A%2F%2Fwww.baylor.edu%2Fgobaylor%2Findex.php%3Fid%3D873915>) account. Applicants who do not pay their deposit by the deadline may not be assured a space in the entering class.

Deposit policies are available online at: [www.baylor.edu/admissions/deposit](http://www.baylor.edu/admissions/deposit) (<http://www.baylor.edu/admissions/deposit/>)

## Notice of Non-Discriminatory Policy to Students

Baylor University complies with all applicable federal and state nondiscrimination laws. Baylor University admits students of any race, color, national and ethnic origin, sex, age, disability, or veteran status to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national and ethnic origin, sex, age, disability, or veteran status in the administration of its educational policies, admissions

policies, scholarship and loan programs, and athletic and other school administered programs.

Baylor University is controlled by a predominantly Baptist Board of Regents and is operated within the Christian-oriented aims and ideals of Baptists. The University is also affiliated with the Baptist General Convention of Texas, a cooperative association of autonomous Texas Baptist churches. As a religiously-controlled institution of higher education, the University is exempt from compliance with some provisions of certain civil rights laws. As such, the University prescribes standards of personal conduct that are consistent with its mission and values. This policy statement is neither intended to discourage, nor is it a fact applicable to, any analytical discussion of law and policy issues involved, or to discussions of any recommendations for changes in existing law. Discussion of these matters are both practiced and are welcomed within our curriculum. Further information may be obtained on Baylor's website.

## Other Information

In compliance with the Student Right-to-Know and Cleary Act, the University makes available to all students and employees an annual crime safety report. This report and information concerning graduation rates are available from Undergraduate Admissions or at [www.baylor.edu/legaldisclosures](http://www.baylor.edu/legaldisclosures) (<http://www.baylor.edu/legaldisclosures/>). The provisions of the application for admission do not constitute a contract, expressed or implied, between Baylor University and any applicant, student, student's family, faculty or staff member.

Baylor University reserves the right to withdraw courses at any time and/or change fees, tuition, rules, calendar, curricula, degree programs, degree requirements, graduations procedures and any other requirement affecting students.

## Credit by Examination

Baylor University placement exams do not bear credit; the score determines the level of the course for which the student may register.

### I. For the Entering Freshman

An entering freshman who has attained proficiency in college-level courses prior to enrollment at Baylor may earn credit hours through the credit by examination programs listed below. Refer to the Credit by Examination policies available at [www.baylor.edu/irt/testing](http://www.baylor.edu/irt/testing) (<http://www.baylor.edu/irt/testing/>) for a complete list of approved examinations, minimum scores, additional requirements, and corresponding Baylor courses.

- College Board SAT II: Subject Tests
- College Board Advanced Placement Program (AP)
- College-Level Examination Program Subject Examinations (CLEP)
- International Baccalaureate Program (IB)
- Baylor Examinations

### II. For the Transfer Student

Credit by examination secured through another college or university by a student transferring to Baylor must meet the minimum Credit by Examination policies in effect in the year the student entered college as a freshman.

An official CLEP, AP, College Board Achievement, or IB test score report must be sent to the Office of Institutional Research and Testing at Baylor for evaluation of credit (One Bear Place #97032, Waco, TX 76798-7032).

### III. For the Currently Enrolled Student

Currently enrolled students may earn credit hours through the College Board SAT II: Subject Tests, CLEP or Baylor Examination programs. Credit will be awarded to an enrolled student based on the Credit by Examination policies in effect in the year the student entered college as a freshman. The following conditions must be met by students seeking credit by examination.

- A. Permission for a Baylor examination must be secured from the department chair. Departmental permission is not needed for CLEP or SAT Subject exams.
- B. Dean approval is required for upper-level courses (3000 or 4000 level) once a student achieves senior standing (90 earned credits). Once Dean approval is received, the student must secure permission from the department chair.
- C. Prerequisites for courses in which a student is seeking credit must be satisfied prior to examination.
- D. Grade points are not earned through credit by examination.
- E. Credit may not be earned by examination in any course previously audited or for which a grade has been earned.
- F. Residence requirements are not reduced when credit is received for a course through credit by examination.
- G. The academic registration closing date is the last day a student is permitted to establish credit by examination for a course in which the student is enrolled.

## Advanced Placement in Foreign Language

If a student elects to fulfill the language requirement by continuing language for which credit was earned in high school, advanced placement without credit is optional as described in the degree requirements section of this catalog.

## National and International Scholarships

Baylor University encourages its strongest, academically competitive students (usually those with a minimum GPA of 3.4) to compete for prestigious national and international scholarships. The Faculty Committee on National and International Scholarships offers assistance to qualified students to pursue these scholarships. The website [www.baylor.edu/scholarships/](http://www.baylor.edu/scholarships/) (<http://www.baylor.edu/scholarships/>) provides full details on the following scholarships and other resources:

- **Ford Foundation Predoctoral Fellowships for Minorities:** Encourages the presence of minorities on faculty, enhances diversity on campuses, and promotes future scholars and researchers in higher education. <https://sites.nationalacademies.org/PGA/FordFellowships/index.htm> (<https://sites.nationalacademies.org/PGA/FordFellowships/>)
- **Fulbright Grants:** Supports post-graduate study in more than 125 foreign countries in Europe, Asia, Africa, Central and South America, and Australia. <https://us.fulbrightonline.org/>
- **Gates Cambridge:** Awards scholarships for postgraduate study at Cambridge University in England. <https://www.gatescambridge.org>
- **Barry M. Goldwater Scholarships:** Encourages excellence in science and mathematics. [www.act.org/goldwater](http://www.act.org/goldwater) (<http://www.act.org/goldwater/>)
- **James Madison Memorial Fellowships:** Encourages future and current high school teachers of American history and

social studies in grades 9-12 to undertake graduate study of the American Constitution. [www.jamesmadison.com](http://www.jamesmadison.com) (<http://www.jamesmadison.com>)

- **Marshall Scholarships:** Established by the British government in 1953 in appreciation for the European Recovery Program after World War II, for baccalaureate degree holders to study at any university in the United Kingdom. [www.marshallscholarship.org](http://www.marshallscholarship.org) (<http://www.marshallscholarship.org>)
- **Mitchell:** Awards one academic year of postgraduate study in Ireland. <http://www.us-irelandalliance.org/>
- **National Institutes of Health Scholarships:** Offers a variety of opportunities for those preparing for careers in the medical sciences. <http://grants.nih.gov/grants/oer.htm>
- **National Security Education Program:** Encourages freshmen through graduate students to study abroad a summer, a semester, or a year anywhere except western Europe, Canada, Australia, and New Zealand. <https://www.iie.org/programs/boren-awards-for-international-study> (<https://www.iie.org/programs/boren-awards-for-international-study/>)
- **NSF Graduate Fellowships:** Provides awards for study and research leading to master's and doctoral degrees in the behavioral, biological, chemical, engineering, geological, mathematical, physical, and social sciences. [www.nsf.gov](http://www.nsf.gov) (<http://www.nsf.gov>)
- **Rhodes Scholarships:** Regarded as perhaps the most prestigious scholarship in the world, this award permits the pursuit of an Oxford University degree. It is awarded only to students who exemplify superior intellectual capabilities and character of the highest order. [www.rhodesscholar.org](http://www.rhodesscholar.org) (<http://www.rhodesscholar.org>)
- **Rotary Scholarships:** Furthers international understanding and fosters friendly relations between peoples of different countries by supporting undergraduate and graduate studies abroad. <https://www.rotary.org/en/our-programs/peace-fellowships> (<https://www.rotary.org/en/our-programs/peace-fellowships/>) and <https://my.rotary.org/en/take-action/apply-grants/global-grants> (<https://my.rotary.org/en/take-action/apply-grants/global-grants/>)
- **Soros Fellowship for New Americans:** Awards scholarships for graduate study to individuals who are holders of Green Cards, are naturalized citizens, or children of naturalized citizens. <http://pdsoros.org>.
- **Harry S. Truman Scholarships:** Awards scholarships to students who have outstanding leadership potential, plan to pursue careers in government or public service, and wish to attend graduate school. [www.truman.gov](http://www.truman.gov) (<http://www.truman.gov>)
- **Morris K. Udall Scholarships:** Awards scholarships to students who intend to pursue careers related to environmental public policy and to Native Americans and Alaskan Natives who intend to pursue careers in health care and tribal public policy. <https://www.udall.gov/ourprograms/scholarship/scholarship.aspx>

For additional information on National and International Scholarships, students enrolled in Baylor may contact:

Baylor University  
College of Arts and Sciences  
One Bear Place #97344  
Waco, TX 76798-7344  
254-710-3361  
[www.baylor.edu/scholarships/](http://www.baylor.edu/scholarships/) (<http://www.baylor.edu/scholarships/>)



## Student Financial Aid

The costs of tuition, fees, room, and meals at Baylor are among the most economical of any major private university in the nation. Baylor represents an affordable, yet superior, private education guided by Christian influences and ideals.

The Student Financial Aid Office provides a comprehensive program that includes academic-based scholarships and need-based scholarships, as well as grants, loans, and work-study (part-time employment) designed to help eligible students meet expenses while enrolled at Baylor University.

Over 90% of full time degree-seeking students receive some form of financial assistance.

Please visit [www.baylor.edu/admissions/typesofaid](http://www.baylor.edu/admissions/typesofaid) (<http://www.baylor.edu/admissions/typesofaid/>) to see a list of financial aid possibilities and other pertinent information regarding scholarships, grants, work-study (part-time employment) and loans.

## Financial Aid Applications

For the criteria and selection process used to award academic scholarships to incoming freshmen and transfers, go to [www.baylor.edu/admissions/academicscholarships](http://www.baylor.edu/admissions/academicscholarships) (<http://www.baylor.edu/admissions/academicscholarships/>). Academic-based scholarships for currently enrolled students are awarded based on the cumulative Baylor grade point average.

Incoming undergraduates who are interested in university need-based grants and scholarships are required to submit the CSS Profile for their first year at Baylor as well as the Free Application for Federal Student Aid (FAFSA), which is required to be evaluated for federal and state need-based aid annually. In some situations, the CSS Profile may be required after the first year, in which case the Financial Aid Office will contact the student to request it at that time. These applications are available on October 1 for the upcoming academic year. We strongly encourage you to complete these applications during the fall season in order to give sufficient time for processing and notifications.

Baylor normally receives results of the FAFSA and CSS Profile within three to five business days from the date the form is filed electronically. If selected for verification, or conflicting information is identified between the applications, students will be notified through their student portal and should have all required documentation submitted as soon as possible after notification. The deadline for completion of the verification and conflicting information process is April 17 of the application academic year, November 14 if only attending fall, and June 19 if only attending summer. Applicants must have all steps completed by these dates in order to receive aid for the term in question.

Students interested in pursuing assistance for the summer sessions will be considered automatically once they have filed the FAFSA for the previous academic year and pre-registered for classes. Due to limited funding, scholarship assistance is not usually available for summer terms. Students who are graduating early may be eligible to use a portion of their academic scholarship during a summer term. Summer aid consists of federal grants for those who have eligibility loans. The Statement of Satisfactory Academic Progress is available at [www.baylor.edu/sfs/sap](http://www.baylor.edu/sfs/sap) (<http://www.baylor.edu/sfs/sap/>). In addition, some programs may have specific requirements above these minimum standards. Students who consider dropping hours should contact the Baylor One Stop **prior** to dropping the hours to determine the effect on scholarship and financial aid eligibility. A reduction in hours may result

in an adjustment to the aid package and may also affect satisfactory academic progress. It is the responsibility of the student to notify the Baylor One Stop of any reduction in hours.

Some students may receive financial aid from several sources, which may include state or federal grants, a scholarship, part-time employment and/or loans. Because many awards in the student financial aid programs are funded by the federal and state government, the Student Financial Aid Office must abide by established laws and guidelines when processing a student's application.

Complete information on the various types of assistance is available at [www.baylor.edu/sfs](http://www.baylor.edu/sfs) (<http://www.baylor.edu/sfs/>).

## Financial Costs

Although the exact cost of attending Baylor University will vary according to personal habits, tastes, and financial resources, there are some fees that all students pay. For an estimate of the 2022-2023 undergraduate expenses for one semester, including tuition, fees, room and meals, please visit [www.baylor.edu/sfs/ugcosts](http://www.baylor.edu/sfs/ugcosts) (<http://www.baylor.edu/sfs/ugcosts/>). The page also provides a link to our more comprehensive undergraduate tuition and fees schedule.

For financial aid purposes, the Cost of Attendance (COA) is an estimate of the total cost to attend Baylor University. It includes not only direct costs as outlined above, but also indirect costs. Direct costs are those billed by Baylor such as tuition, fees and on-campus room and board for students who live on campus. Indirect costs are books, supplies, transportation and personal expenses. For those students who live off campus or with a parent, indirect costs include room and board. To see estimates that include direct and indirect costs, as well as other costs, please visit [www.baylor.edu/sfs/coa](http://www.baylor.edu/sfs/coa) (<http://www.baylor.edu/sfs/coa/>).

## Estimate of Expenses per Semester (New Student)

| Expense/Fee  | Amount      |
|--|-------------|
| Tuition, normal course load of 12 semester hours or more | \$25,869.00 |
| Matriculation  | \$100.00    |
| Chapel   | \$90.00     |
| Course or Lab fee, per course, varies (\$50 minimum)     | \$50.00     |

**Note:** Tuition and fee rates for Summer 2023 will be available at a later date, but can be viewed online at [www.baylor.edu/sfs/summercost](http://www.baylor.edu/sfs/summercost) (<http://www.baylor.edu/sfs/summercost/>).

## Rooms and Housing Fees (per Semester)

Charges are per person, per semester

| Expense/Fee                            | Amount     |
|--|------------|
| Single Room                            | \$4,870.00 |
| Single Room with Shared Bathroom       | \$4,950.00 |
| Single Room with Private Bathroom      | \$5,660.00 |
| Single Suite with Shared Bathroom Plus | \$4,950.00 |
| Super Single Room                      | \$5,410.00 |
| Double Room                            | \$3,670.00 |
| Double Room with Shared Bathroom       | \$4,200.00 |

|                                       |            |
|---------------------------------------|------------|
| Double Room with Shared Bathroom Plus | \$4,340.00 |
| Double Suite with Shared Bathroom     | \$4,340.00 |
| Double Room with Private Bathroom     | \$4,440.00 |
| Double Plus Room                      | \$3,753.00 |
| Super Double Room                     | \$4,290.00 |
| Triple Room                           | \$3,520.00 |
| Triple Room with Shared Bathroom      | \$3,670.00 |
| Apartment Single Gold                 | \$5,820.00 |
| Apartment Double Gold                 | \$4,570.00 |
| Apartment UP 4 Bedroom                | \$3,920.00 |
| Apartment UP 3 Bedroom                | \$4,800.00 |
| Apartment UP 2 Bedroom                | \$5,260.00 |
| Expanded Occupancy                    | \$3,370.00 |

## Living and Learning Fees (per Semester)

| Expense/Fee                | Amount   |
|----------------------------|----------|
| Baylor and Beyond          | \$100.00 |
| Brooks Residential College | \$100.00 |
| Impact                     | \$85.00  |
| Business and Innovation    | \$85.00  |
| Fine Arts                  | \$125.00 |
| Honors Residential College | \$140.00 |
| Leadership                 | \$100.00 |
| Outdoor Adventure          | \$350.00 |
| Science & Health           | \$100.00 |
| Teal Residential College   | \$100.00 |

For more information on rooms and housing visit [www.baylor.edu/cll](http://www.baylor.edu/cll) (<http://www.baylor.edu/cll/>) (Room types and Rates)

## Meal Plans

| Expense/Fee  | Amount                  |
|--|-------------------------|
| All Access 7 days per week plus \$150.00 Dining Dollars <sup>1</sup> | \$3,123.63 <sup>1</sup> |
| All Access 5 days per week plus \$200 Dining Dollars <sup>1</sup>    | \$2,734.13 <sup>1</sup> |
| Block 170 + \$300 Dining Dollars                                     | \$2,003.86              |
| Block 100 + \$125 Dining Dollars                                     | \$1,158.79              |
| Block 65 + \$225 Dining Dollars                                      | \$869.09                |

<sup>1</sup> Represents meal plans required to be purchased by mandatory residential students (Freshmen and members of the Teal & Brooks Residential Colleges)

Note: The meal-plan week begins Saturday a.m. and ends Friday p.m. 8.25% tax included.

## Other Fees

| Expense/Fee                     | Amount   |
|---------------------------------|----------|
| ID Card Replacement Fee         | \$20.00  |
| Standard Payment Plan Setup Fee | \$60.00  |
| Deferred Payment Plan Setup Fee | \$80.00  |
| Late Fee                        | \$25.00  |
| Audit Fee (Per Course)          | \$370.00 |

|                            |          |
|----------------------------|----------|
| Late Cancellation Fee      | \$300.00 |
| Late Room Cancellation Fee | \$300.00 |

## Optional Fees

| Expense/Fee                                 | Amount   |
|---|----------|
| Annual Parking Permit**                     | \$365.00 |
| Annual Parking Permit - 5th Street Garage** | \$450.00 |
| Spring Only Parking Permit**                | \$225.00 |
| Yearbook                                    | \$100.00 |
| Summer Only Parking Permit**                | \$75.00  |
| Annual Moped/Motorcycle Parking Permit**    | \$75.00  |
| Spring Moped/Motorcycle Parking Permit**    | \$50.00  |
| Summer Moped/Motorcycle Parking Permit**    | \$25.00  |

\*\*subject to market adjustment

## Method of Billing

Baylor uses electronic billing (E-Bill System) as its official billing method and students are responsible for viewing and paying their student accounts by the scheduled due date as reflected in email notifications to the students and Authorized Users or in the following link: [www.baylor.edu/sfs/duedates](http://www.baylor.edu/sfs/duedates) (<http://www.baylor.edu/sfs/duedates/>). Failure to review E-Bill does not constitute a valid reason for not paying on time.

## Financial Aid

Aid described as "estimated" on the student account, E-Bill, or Financial Aid Award does not represent actual or guaranteed payment of that aid to the student but is an estimate of the aid the student may receive if he/she meets all requirements stipulated by that aid program.

A student's Financial Aid Award is contingent upon continued enrollment and attendance in each class upon which the financial aid eligibility was calculated. If the student drops any class before completion, financial aid eligibility may decrease and some or all of the financial aid awarded to the student may be revoked. If some or all of a student's financial aid is revoked because the student dropped or failed to attend class, the student is required to repay all revoked aid that was disbursed to the account and resulted in a credit balance that was refunded to the student.

## Monthly Statements

Monthly statements will be billed on the first business day of every month for any outstanding balance. The due date will be the last day of the same month. Failure to pay the balance will result in a \$25 late fee.

## Payment Plan

Students have the option to either pay their charges in full or enroll in a payment plan each semester. A setup fee will be assessed each semester in which a student chooses to enroll. Students may pay their account in full any time during a semester; however, the setup fee is non-refundable. For more information on payment plans, please visit [www.baylor.edu/sfs/paymentplans](http://www.baylor.edu/sfs/paymentplans) (<http://www.baylor.edu/sfs/paymentplans/>).

## Payment of Accounts

By registering for classes, students agree to pay all tuition and required fees associated with their registration, as well as any other optional charges and fees, whether paying in full or utilizing the payment plan

option. Students must meet all financial obligations to the University by their due dates to avoid late penalties. Failure to pay amounts owed may result in holds being placed on the student account to prevent future registration and/or the issuance of an official transcript. The complete Payment of Accounts policy can be found at [www.baylor.edu/sfs/paybill](http://www.baylor.edu/sfs/paybill) (<http://www.baylor.edu/sfs/paybill/>).

## Payment Methods

Baylor University utilizes online statements and electronic payments in its efforts to provide timely financial information to students and to control costs. Student account payment options include electronic check (using a personal checking or savings account), credit card (a 2.85% convenience fee will be charged by a third-party processor), Flywire, Western Union wire transfer, or physical check. Payments cannot be accepted by phone. For more information on payment methods, please visit [www.baylor.edu/sfs/paybill](http://www.baylor.edu/sfs/paybill) (<http://www.baylor.edu/sfs/paybill/>).

## Returned Payments

Any payment that is rejected for payment by the paying financial institution is subject to a returned item charge of \$25. Rejected payments may also result in cancellation of the student's registration and additional fees if the student is required to re-register on or after the first day of classes.

## Financial Obligations

Students are individually responsible for their financial obligations to Baylor University. Charges to their student account are payable when due. Upon graduation or University Withdrawal, unpaid student account balances are subject to referral to a collection agency and disclosure to credit bureaus.

## Right to Withhold Transcript and/or Block Registration

Baylor University may withhold the issuance of a transcript record and/or inhibit the registration of any prior or current student if he or she has certain outstanding obligations to the University. Please see the complete Transcript and Registration Hold policy at <https://www.baylor.edu/risk/doc.php/342480.pdf>.

## Student Communication

Baylor uses the students' Baylor University email as an official method of communication with students, and students are responsible for reading the emails they receive from Baylor on a timely basis. Students are responsible for keeping Baylor records up to date with their current physical addresses, email addresses, and phone numbers via BearWeb (<http://www.baylor.edu/BearWeb/>).

## Authorized Users

It is the students' responsibility to notify their parent(s)/legal guardian(s) of their account balance, or set up their parent(s)/legal guardian(s) as an Authorized User to access their statement and account activity and 1098T statements through the authorized user link located at [www.baylor.edu/ebill](http://www.baylor.edu/ebill) (<http://www.baylor.edu/ebill/>).

# Cancellations, Drops, and University Withdrawals

## Fall and Spring Semesters

The information in this section is described using fall and spring semester term calendars.

## Trimesters and Summer Terms

The information in this section is described using fall and spring semester term calendars but is also relevant to other Quarters, Trimesters, OMBA and Summer calendars using equivalent dates. For dates, deadlines, and other pertinent details to those terms, please see the "Academic Calendar" section for their respective dates.

## Definitions of Cancellations, Drops, and University Withdrawals

- Cancellation – Cancelling (removing) all classes prior to the 1<sup>st</sup> day of classes.
- Drop – Dropping one or more, but not all, classes from a student's schedule from the 1<sup>st</sup> day classes through the 50th class day in a semester (or equivalent).
  - Drops from the 1<sup>st</sup> class day through the 12<sup>th</sup> class day in a semester (or equivalent) are removed from the student's transcript.
  - Drops after the 12<sup>th</sup> class through the 50<sup>th</sup> class in a semester (or equivalent) will result in a "W" (Withdrawal) notation for the class(es) on the student's transcript.
  - A drop after the 50th class day in a semester (or equivalent) is not allowed except by appeal to the student's academic dean.
- University Withdrawal – Officially discontinuing all classes for which a student is registered on or after the 1<sup>st</sup> day of classes through the 50th class day in a semester (or equivalent). A university withdrawal after the 50th class day in a semester (or equivalent) is not allowed except by appeal to [latewithdraw@baylor.edu](mailto:latewithdraw@baylor.edu).

## Cancellations

Cancellation describes when a student has decided not to attend a semester (or equivalent) and drops all their classes for that semester (or equivalent) prior to the 1st class day. Cancelling classes is not allowed on the 1st day of classes and thereafter. See the "Academic Calendar" section for deadlines. All classes must be cancelled in BearWeb prior to 1<sup>st</sup> class day. For a quicker reversal of other fees (Parking Permits, Meal Plans, Health Insurance, etc.) and other information about refunds, contact Student Accounts to ensure account activity is correct.

## Academic Effects of Cancellations

- Cancelled classes do not appear on the official academic transcript.

## Financial Effects of Cancellations

- Requests for the cancellation of related fees and refunds must be made in writing by the student via email inquiry at [www.baylor.edu/sfs/contactus](http://www.baylor.edu/sfs/contactus) (<http://www.baylor.edu/sfs/contactus/>).
- Cancellation requests must be received prior to the 1st class day of the term. For cancellations, all tuition, fees, and meal plans will be refunded at 100 percent.
- Late cancellation requests received on the 1<sup>st</sup> class day or after are subject to a late cancellation fee if non-attendance has been verified. (\$150 during first week and \$300 thereafter).

## Dropping Classes

Dropping one or more, but not all, classes from a student's schedule through the 50th class day of the semester. (To discontinue all classes from the term, see University Withdrawal.) See "Academic Calendar" for deadlines for all terms.

A student has the option to drop a class prior to or during a semester (or equivalent). Prior to dropping a class, a student should review, "Before you Drop a Course." [https://www.baylor.edu/university\\_advisement](https://www.baylor.edu/university_advisement) ([https://www.baylor.edu/university\\_advisement/](https://www.baylor.edu/university_advisement/))

### Academic Effects of Drops

- Through the 50th class day, drops can be processed in BearWeb. Beginning on the 13<sup>th</sup> class day of the semester (or equivalent), the student must obtain Advisor approval notation to drop in BearWeb.
- A drop through the 12th class day of the semester (or equivalent) results in the course being removed from the official academic transcript.
- After the 12th and through the 50th class day (or equivalent), a drop in one or more classes requires a professional advisor approval and results in a "W" notation on the official academic transcript. There are no drops after the 50th class day during the semesters (or equivalent) except by appeal to the student's academic dean.
- Failure to drop a class will result in the instructor posting the grade the student has earned at the end of the term (i.e., an "F").
- Prior to dropping a class, a student is expected to attend class regularly.
- A student dropping a nursing class for any reason will be dropped from all corequisite classes that are linked to the class.

### Financial Effects of Drops

- Beginning with the 13th class day for fall and spring terms (3rd class day for summer), a Change of Course fee will be assessed for all schedule changes.
- Refunds for dropped classes (tuition and lab/course fees) during the fall and spring terms include the following policies:
  - Because of the flat-rate tuition, there is no refund adjustment for a student who drops classes unless the billable hours are reduced below 12 as the result of a dropped class.
  - Refunds for dropped classes (tuition and lab/course fees) during the semester (or equivalent) will be processed according to the following refund schedule:

| Term                | Semester             | Trimester     | Full Summer          | Summer 1 & 2         | Minimester           |
|---------------------|----------------------|---------------|----------------------|----------------------|----------------------|
| Prior to the end of | 5th class day - 100% | Week 1 - 100% | 3rd class day - 100% | 2nd class day - 100% | 1st class day - 100% |
| Prior to the end of | 10th class day - 75% | Week 2 - 75%  | 7th class day - 75%  | 4th class day - 75%  | 2nd class day - 75%  |
| Prior to the end of | 15th class day - 50% | Week 3 - 0%   | 11th class day - 50% | 6th class day - 50%  | 3rd class day - 50%  |
| Prior to the end of | 20th class day - 25% |               | 14th class day - 25% | 7th class day - 25%  | 4th class day - 25%  |
| Prior to the end of | 21st class day - 0%  |               | 15th class day - 0%  | 8th class day - 0%   | 5th class day - 0%   |

An extensive refund schedule for all terms can be found at [www.baylor.edu/sfs/droprefunds](http://www.baylor.edu/sfs/droprefunds) (<http://www.baylor.edu/sfs/droprefunds/>).

To determine how a refund is calculated, multiply the number of hours the student will drop by the applicable percentage rate above based on the day of the drop. This calculation will determine the number of hours to subtract from the number of enrolled hours. The student is financially liable for the remaining enrolled hours plus the determined percentage of dropped hours.

For example, if a student enrolled in 9 hours drops a 3-hour class prior to the 15th class day, multiply the 3 dropped hours by 50% (1.5 hours), subtract the 1.5 hours from the original 9 hours, and the student is left with 7.5 billable hours. If the student is enrolled in a graduate program that offers the flat-rate tuition plan, there will be no tuition adjustment unless the billable hours are reduced below 12 as a result of a dropped class.

Changes in the number of enrolled hours can affect financial aid eligibility. A student should contact the Baylor One Stop for information about how dropping a class might affect his or her financial aid award package.

## University Withdrawal

University Withdrawal describes officially discontinuing participation in all classes for which a student is registered on or after the 1st class day of the term. A student cannot withdraw from the university after the 50th class day of a semester (or equivalent). Beginning the 1st class day of each term, a student will not be able to drop all courses from their class schedule on BearWeb, but they will be able to submit a University Withdrawal Form (<https://www.baylor.edu/successcenter/?id=871527>).

Students who want to understand fully the implications of this action may schedule a withdrawal conversation with the Center for Academic Success & Engagement.

To withdraw officially from the University, a student must submit the online Withdrawal Form. Students who are unable to use the electronic form, by exception, can declare their intent to withdraw verbally by calling their designated official per the list below.

| Program                            | Exit Conversation                        |
|------------------------------------|--|
| Main Campus (Waco)                 | Center for Academic Success & Engagement |
| Post-Bacc Accelerated BSN (Dallas) | Associate Dean                           |

A student who withdraws prior to the 12th class day in their first semester (or equivalent) at the University will be subject to readmission to the University for future semesters. Please contact your admissions office.

While Baylor University is not an attendance-taking institution, upon confirmation by a student's instructors of non-attendance, the University reserves the right to cancel or withdraw the student for that term with an effective date matching the last known date of academic attendance or engagement.

### Withdrawal Conversation

For a nursing student on the Dallas campus, an exit conversation with their Associate Dean is required immediately after submitting a University Withdrawal.



| Program            | Exit Conversation |
|--------------------|-------------------|
| Nursing (Dallas)   | Required          |
| Main Campus (Waco) | Not required      |

### Academic Effects of a University Withdrawal

- The University Withdrawal effective date is established by the date on which a student submits the mandatory University Withdrawal Form (<https://www.baylor.edu/successcenter/?id=871527>) (or in exceptional cases declares their official intent to withdraw to their designated official verbally).
- Contact with the Center for Academic Success and Engagement can be initiated in person (west basement of Sid Richardson during regular business hours), by telephone (254-710-8696), or by emailing [case@baylor.edu](mailto:case@baylor.edu).
- When a student withdraws from the University, the assigned "W" is based upon the effective date of the University Withdrawal. Please see the "Academic Calendar" section for the respective dates.
- The required University Withdrawal Form (<https://www.baylor.edu/successcenter/?id=871527>) and additional information is available online at [www.baylor.edu/case](http://www.baylor.edu/case) (<http://www.baylor.edu/case/>).
- Any other procedure will lead to failure in all classes for which the student is registered. Under no circumstances does notification to instructors or dropping classes constitute an official University Withdrawal.

### Financial Effects of a University Withdrawal

- If the student fails to contact the Center for Academic Success and Engagement and simply stops attending, then the following policies apply:
  - Tuition, fees, meal plans and other applicable charges will not be adjusted on the student's account.
  - Financial aid credits, however, may be reversed as required by federal regulations.
  - Refunds of tuition, fees, or other charges are applied to any outstanding balance owed to the University.
  - Any credit balance remaining after all processing is complete will be sent by direct deposit (if bank account is designated in BearWeb) or mailed to the student at his/her home address listed in BearWeb.
  - Refunds of tuition and required fees (Chapel Fee, Laboratory/Course Fees, Administrative Fee and Applied Music Fee) are based on the effective University Withdrawal date and are prorated on a per diem scale based on the total number of calendar days in that payment period.
  - There are no refunds for University Withdrawals that occur after 60 percent of the payment period has passed. A payment period is defined as the total number of calendar days in the semester (from the published 1st class day through the published last day of finals) excluding the five-calendar day Thanksgiving break and the nine-calendar day spring break.
  - To obtain a calendar schedule of refund percentages, please visit the Student Financial Services website [www.baylor.edu/](http://www.baylor.edu/)

[sfs/contactus](http://www.baylor.edu/sfs/contactus/) (<http://www.baylor.edu/sfs/contactus/>) or call 254-710-2311.

- Unless specifically noted, other fees are considered non-refundable.
- Unused Dining Dollars are refunded upon University Withdrawal.

- Meal plan refunds are calculated pro rata based on the University Withdrawal effective date.

An administrative charge equal to one week of the meal charge for the student's respective meal plan will be assessed.

- Block meal plans are not prorated and will not be credited upon withdrawal.

- A student receiving scholarships or other financial aid should contact the Baylor One Stop office to discuss the financial implications of a University Withdrawal.

- Financial aid recipients are not eligible for a refund until all of the financial aid programs are reimbursed in accordance with federal, state, and University requirements. To obtain information about the return of financial aid funds, contact the Baylor One Stop at [www.baylor.edu/sfs/contactus](http://www.baylor.edu/sfs/contactus) (<http://www.baylor.edu/sfs/contactus/>) or at 254-710-2611.

- A student residing in campus housing must contact the Campus Living & Learning office to obtain information about any applicable housing adjustments and penalties. Campus Living & Learning can be reached at [Living@baylor.edu](mailto:Living@baylor.edu) or by calling 254-710-3642. Additional information is available online at <https://www.baylor.edu/cll/>. A student must follow the proper check-out procedure outlined in the Guide to Community Living and must vacate campus housing within 48 hours of the University Withdrawal effective date.

### Appeals for Exception to University Withdrawal and Return Policy

Students are not permitted to withdraw after the 50th class day of the semester or the last day for a University Withdrawal in any other term. It is critical that students follow these deadlines. Exceptions to this policy may be granted when extraordinary circumstances (e.g., medical or health emergencies) have impacted academic performance, have limited the ability to submit a timely withdrawal request, or make recording a grade of "Incomplete" inappropriate. Consideration of a subsequent appeal for exception to this policy, regardless of the outcome of the first, would be extraordinarily unlikely. Further information about requesting this exception may be found at: [www.baylor.edu/case](http://www.baylor.edu/case) (<http://www.baylor.edu/case/>). The deadline for submitting a withdrawal exception must be made no later than the day before the next term begins.

A student receiving an approved appeal for an exception to the University Withdrawal deadline may not re-enroll during the subsequent full semester. For example, if the student seeks the withdrawal exception at the end of the spring semester, he or she will not be eligible to return until the following spring semester. The student must apply for reactivation when he or she is prepared to re-enroll. Procedures for reactivation may be found at: <https://www.baylor.edu/registrar/studentreactivation> (<https://www.baylor.edu/registrar/studentreactivation/>), and further detail about returning after a withdrawal exception may be found at: [www.baylor.edu/case](http://www.baylor.edu/case) (<http://www.baylor.edu/successcenter/>).

## Dropping an Audited Class

A student who drops an audited class by the fifth (5th) class day (fall/spring) is eligible for a full refund. No refund for an audited class is given after the fifth (5th) class day. Full refunds also apply to a student who drops an audited class by the third (3rd) class day for the full summer session, by the second (2nd) class day for the summer I and II, and the first (1st) class day for the Minimester. No refunds are given after the designated class drop date.

## Right to Withhold Transcripts and/or Block Registration

Baylor University may withhold the issuance of a transcript record and/or block the registration of any current or prior student if the student has certain outstanding obligations to the University. Please see <https://www.baylor.edu/risk/doc.php/342480.pdf> for the complete transcript and registration hold policy.

# General University Regulations

Certain general regulations are listed in this catalog for the guidance of students. Good citizenship is promoted in the University community by careful observance of all regulations.

## Student Classification

The classification of students is determined as follows:

### Classification Requirements

|                   |   |
|-------------------|---|
| Freshman          | Completion of fewer than 30 semester hours.   |
| Sophomore         | Completion of 30 semester hours.  |
| Junior            | Completion of 60 semester hours.  |
| Senior            | Completion of 90 semester hours.  |
| Postbaccalaureate | Any person holding a bachelor's degree who is taking work not to be credited toward a graduate degree or for graduate credit. An applicant seeking admission to Baylor as a postbaccalaureate student may seek a second degree only if it is a different degree with a different major from the applicant's first degree and major. |
| Graduate          | Any person holding a bachelor's degree who has been admitted to the Graduate School, who has enrolled in a Graduate Program, and who is taking coursework to be credited toward a graduate degree.  |
| Special           | Any person who has been permitted to enroll in a course or courses but who either has not qualified, by reason of not having met all entrance requirements, or who does not wish to qualify for credit leading toward a degree.   |

## Eligibility for Participation in Student Activities

Students desiring to participate in student activities as a member or officer of a student organization or to represent the University in any manner must meet the following requirements:

1. Students are required to be registered for and maintain a minimum of twelve (12) semester hours both at the time of election/selection and during the term of office or membership at Baylor University. Only graduating seniors needing fewer than twelve (12) hours for graduation are exempt from this requirement. Baylor students with fewer than twelve (12) semester hours due to an officially recognized (through an academic department) internship or

practicum experience may request an exception to this policy from the Director for Student Activities.

2. First-semester students, are prohibited from joining organizations which utilize a new member education process.
3. Baylor University employs a deferred recruitment philosophy for first-year students participating in recruitment, rush, intake processes, new member processes, and/or to be initiated. Requirements for all students wishing to participate in recruitment, rush, intake processes, new member processes, and/or to be initiated include: a) completing a minimum of 12 earned semester hours in residence at Baylor University, b) having and maintaining a minimum cumulative grade point average of 2.67, c) having and maintaining a minimum current grade point average of 2.00. New Transfer students may participate in recruitment, rush, intake processes, pledging, new member education and/or be initiated. A student is classified as a transfer if he/she has attended a college during a fall or spring semester after high school graduation, obtained a minimum of 24 transfer hours and a 3.00 cumulative grade point average on all transferable hours. If the only college work completed is dual credit, an entering student is not considered a transfer student.
4. Once enrolled at Baylor, a student will always be evaluated on his or her Baylor academic record in order to determine academic eligibility for active membership. Students must have and maintain a cumulative minimum grade point average of 2.33 and a current minimum grade point average of 2.0 in order to maintain active membership.
5. In order to hold a leadership position in an organization, a student must have and maintain a cumulative minimum grade point average 2.67 and a current minimum grade point average of 2.0. Leadership positions include any and all membership roles in an organization (executive officers, minor officers, committee chairs, etc.). Organizations may have higher academic standards than Baylor's.
6. A student may use the summer semester to raise a current grade point average by taking twelve (12) or more semester hours at Baylor or the cumulative grade point average by taking fewer than twelve (12) semester hours at Baylor.
7. Students are not eligible to affiliate with a local or national collegiate social/service sorority or fraternity unless the organization is recognized by the University and adheres to University policies. The University will not recognize a local chapter of any group that includes students from other schools.
8. Eligibility for participation in intercollegiate athletics is governed by the Big 12 Conference and National Collegiate Athletic Association regulations and not the preceding requirements.
9. Graduate students may participate in Baylor University student organizations as long as the organization's constitution and/or bylaws do not prevent graduate student membership. Graduate students wishing to join an organization must be full-time students as defined by the Graduate School. A graduate student may participate as either a student member of a student organization or as a secondary advisor if he/she serves as a graduate apprentice/assistant and satisfies advisor requirements. Advisor requirements maintain the graduate apprentice/assistant has fully completed all undergraduate requirements, works within the university department for which they sponsored student organization maintains a formal relationship, and has fully completed all of the appropriate training as required by the Department of Student Activities. Graduate apprentices/assistants may attend off-campus and overnight events as a representative of the University, but may not approve online

event registration requests or t-shirt or product requests, etc. for student organizations. Further, graduate students may participate as either student members of a student organization or as a secondary advisor but not both at the same time.

## General Expectations of Baylor Students

Baylor University is governed by a predominantly Baptist Board of Regents and is operated within the Christian-oriented aims and ideals of Baptists. The University is affiliated with the Baptist General Convention of Texas, a cooperative association of autonomous Texas Baptist churches. We expect that each Baylor student will conduct himself or herself in accordance with Christian principles as commonly perceived by Texas Baptists. Personal misconduct either on or off the campus by anyone connected with Baylor detracts from the Christian witness Baylor strives to present to the world and hinders full accomplishment of the mission of the University.

Under the Student Conduct Code, all Baylor students are expected to obey the laws of the United States, the State of Texas, and municipalities, or, if studying abroad, the laws of other countries. Students are also expected to obey the rules, regulations, and policies established by Baylor University including those found in the Honor Code. These expectations apply to all persons taking courses at or through the University, either full-time or part-time, pursuing undergraduate, graduate, or professional studies. Persons who are not officially enrolled for a particular term at the University but who have a continuing relationship with the University or who have been notified of their acceptance for admission will also be held to these standards.

Each student is responsible for learning about and adhering to the Baylor University Student Conduct Code and Honor Code. The Division of Student Life attempts to ensure that the Student Conduct Code and Honor Code are communicated to all students through various means.

However, the student is responsible to the University for his or her conduct that violates University policies. The Student Conduct Code and Honor Code apply from the time that a person is notified of his or her acceptance for admission to the University through his or her receipt of a diploma or other credential. Moreover, should a student witness a violation of University policies on the part of other students, the student is responsible for reporting that violation to an appropriate University official (e.g., Judicial Affairs administrators, Office of Academic Integrity administrator, Campus Living & Learning staff, Baylor University Police Department, etc.)

## E-mail Communication to Students

Baylor University may send official University correspondence to a student via e-mail, using the e-mail address assigned by Baylor. Each Baylor student is personally responsible for checking his or her e-mail on a regular and recurring basis for receipt of official University correspondence.

## Change of Address and Telephone Number

It is frequently a matter of great importance to students for University officials to be able to locate them quickly. For this reason, students are asked to file a notice of change of student local or student home address and telephone number with the University promptly, and not later than ten days thereafter in any case. Address changes may be made through BearWeb (<http://www.baylor.edu/BearWeb/>). For assistance, contact the Office of the Registrar at [registrar@baylor.edu](mailto:registrar@baylor.edu) or (254) 710-1181. Failure to receive University notices because of an incorrect address provided by the student will not relieve the student of responsibility for responding

to the notice. Nursing students enrolled on the Dallas campus are requested to report a change of address in the Office for Student Services on the first floor of the Harry W. Bass Memorial Educational Center.

## Campus Safety

Baylor considers personal safety on campus a top priority. Residence halls enforce a locked door policy and residents must swipe their student IDs at main entrances to gain access to their building.

The Baylor Police Department provides additional 24-hour security with car and bike patrols and works in close alliance with the Waco Police Department to create a safe environment for the university community.

Eighty-seven emergency call boxes are located on campus with direct access to BPD, which has a staff of forty-nine, including thirty-nine commissioned police officers and ten non-commissioned.

Security Officers work with BPD and after-hour personnel to ensure the safety and security of our campus. For more information about the Baylor Police Department, visit <http://www.baylor.edu/dps> (<http://www.baylor.edu/dps/>).

Baylor's Crime Prevention and Security Report is provided annually to all students and is available at <http://www.baylor.edu/dps> (<http://www.baylor.edu/dps/>).

## Registration and Course Load

### Academic Advisement

To enhance Baylor's learning environment, the university's undergraduate academic advisors offer services designed to help students formulate academic goals and develop their personal potential. In addition to selecting classes, students work with professional and faculty advisors to review general degree plans and audits, find and develop specific academic plans within a major or program, and achieve personal goals.

To assist students in making important life decisions, advisors and mentors also connect students with departmental and campus resources as well as community and professional opportunities.

Students are assigned to academic advisors by classification, major, and program throughout the undergraduate experience. Advisor assignments are available on each student's BearWeb (<http://www.baylor.edu/BearWeb/>) account under Student Academic Services->Advisement->Advisement Contact Information (<http://www.baylor.edu/advising/>). Any student who needs assistance concerning advising procedures at Baylor should begin by contacting the Office of University Advisement in the Paul L. Foster Success Center (PLFSC) (phone: (254) 710-7280 or email: [University\\_Advisement@baylor.edu](mailto:University_Advisement@baylor.edu)). Students in transition from one college or school to another and those considering a program in another college or school should go to University Advisement.

Advising guidelines and resources are available at [www.baylor.edu/advising/](http://www.baylor.edu/advising/) (<http://www.baylor.edu/advising/>).

### Course Load

The normal academic load per semester for undergraduate students is five courses. The maximum course load is eighteen semester hours except in the School of Music where nineteen hours are permitted.

Students are expected to carry a normal load unless they must do an excessive amount of outside work or present other reasons acceptable to the appropriate academic dean and advisor. The average student should reduce the load to four courses if he or she works as much as four hours



daily. Each student is responsible for limiting his or her program in light of the foregoing statements.

Schedules for more than eighteen hours will not be permitted except in the following situations. One course may be added to the normal load if the student:

1. has a "B" average on all courses completed and for the immediately preceding semester,
2. has a 3.25 GPA for the preceding semester, or
3. is a last-term senior in good standing.

This privilege will be withdrawn if grades drop, or if health seems to be threatened. A desire to graduate early is not, in itself, sufficient reason to request the privilege of a greater than normal load. Occasionally, last-term seniors with a superior average will be permitted to carry a maximum of twenty-one hours if it will permit graduation in that term.

| Level and Term         | Full-time Status         | Half-time Status        |
|------------------------|--------------------------|-------------------------|
| Undergraduate Semester | 12 semester credit hours | 6 semester credit hours |

**Exceptions to the minimum credit hours for an undergraduate student may be made when:**

A student is registered for internship, practicum, or cooperative education activities that require full-time work and will count toward completion of the student's degree program (upon the request of a student's academic dean).

## Summer School at Baylor

Maximum credit for students enrolled in the two traditional summer terms is eight hours per term or sixteen hours total. For students who enroll in the Minimester, a maximum of four additional hours of credit may be earned. Thus, students who take the maximum load for all three terms (Minimester plus two regular summer terms) may earn a total of 20 hours.

## Registration Policies and Procedures

Registration is completed according to the procedures and time schedule outlined on the web under "Register for Classes" (<http://www.baylor.edu/registrar> (<http://www.baylor.edu/registrar/>)). Students must be officially enrolled in a course by the fifth class day of a fall or spring semester in order to earn credit in the course.

### Pass-Fail Registration

With the permission of the dean of the appropriate academic unit, a student may elect the option to enroll pass-fail for one standard graded course per term. Such courses may be used for general elective credit only and may total no more than eighteen semester hours toward an undergraduate degree. Business school students may not register for pass-fail credit in any course, including Lifetime Fitness, required under the B.B.A. degree program.

A change in course registration from graded to pass-fail, or from pass-fail to graded, may be made only during the period in which courses may be added.

### Audit Registration

Students who wish to take a course and not earn academic credit may be eligible to audit the course with the written permission of the dean of the appropriate academic unit. If approved, the Undergraduate Registration

Petition form is completed by the student and the dean of the appropriate academic unit and sent to the Office of the Registrar. The fee for auditing a course is \$353. There is no additional fee for students paying flat-rate tuition.

Laboratory and applied courses may not be audited. The student is entitled only to listen to lectures and class discussions. Audit enrollment is subject to the instructor's willingness to have nonparticipating students. Auditors are not permitted in certain courses as specified by the individual departments; they are ordinarily not permitted in seminars or writing and correspondence courses. Auditing a course allows for library access and does not afford the use of other ID accessible facilities.

Courses taken for audit may not exclude a student seeking credit, may not be repeated at a later date for credit, may not be changed in status after the registration period, and are not considered part of the course load.

### Postgraduate Registration

All post baccalaureate students must follow the same registration procedures as undergraduates, regardless of whether or not they are seeking a second degree (refer to <http://www.baylor.edu/Registrar/StepsForRegistration> (<http://www.baylor.edu/Registrar/StepsForRegistration/>)). In order to register through BearWeb for a course that requires a prerequisite, students must contact the department. Students deciding to audit courses must follow procedures for all students as stated in the catalog.

## Self-Paced Online Course Registration

A maximum of fifteen credit hours may be completed through self-paced online courses to meet the needs of Baylor students, particularly those who are not residents. In exceptional situations, the dean may allow self-paced online courses for students who are residents.

### Eligibility

A student must be a previously enrolled full-time Baylor student, a currently enrolled part-time Baylor student, a graduating senior,\* a High School Accelerate student, or a non-degree seeking student before he/she may register. Full-time Baylor students must be in their final undergraduate semester in order to be eligible. Baylor students must have a cumulative GPA of at least 2.0. If the Baylor student is on academic probation, he/she must have at least a 2.5 cumulative GPA. Baylor students may take no more than three self-paced online courses during one semester. High School Accelerate students may not take more than one self-paced online course during a semester. No self-paced online courses may be taken during the Minimester, summer terms, or during Wintermester.

*\*a graduating senior is defined as a student with twenty-one or fewer hours remaining and who has filed for graduation with their respective Dean's Office.*

### Registration

Baylor students may only be registered by the student's degree-granting unit. High School Accelerate students may only be registered by the Accelerate Advising Office in the Office of Undergraduate Admissions. Non-degree seeking students must register through the College of Arts & Sciences Dean's office.

### Tuition

The tuition for Baylor students and non-degree seeking students is calculated at the standard tuition rate. Accelerate students will be calculated at their tuition rate.

### Time limits

Courses for Baylor students may begin as early as the 6<sup>th</sup> class day and must begin no later than the end of the 7<sup>th</sup> week of the semester. High school Accelerate students must register before the semester begins. Courses must be completed by the last day of final exams.

### Post Registration Changes

Changes in schedules may be made through BearWeb (<http://www.baylor.edu/BearWeb/>) at [www.baylor.edu/BearWeb/](http://www.baylor.edu/BearWeb/) through the 12th class day of a fall or spring semester. Beginning the 13th class day, students may drop classes, through BearWeb (<http://www.baylor.edu/BearWeb/>), once they have approval from their advisor, through the 50th class day (see Academic Calendar for summer dates). Permission from the appropriate dean's office is required to add or register after the fifth class day (see Academic Calendar for Summer dates).

### Class Attendance

Attendance at class meetings is essential to academic success. Interaction with faculty members and fellow students provides the best opportunity for learning information and for exercising skills necessary to gain competence in the subject. Classroom discussion also enriches understanding beyond the boundaries of the specific course and develops students' analytical facility and ability to communicate ideas effectively. The University expects each student to take full advantage of his or her educational experience by developing personal responsibility for class attendance.

Student attendance must be recorded through the census date of each term (the 12th class day of the fall or spring terms).

Specific policies for attendance are established by the academic units within the university. Faculty members may establish more stringent requirements regarding attendance, punctuality, and participation. Any attendance requirements and penalties for excessive absences will be set forth in the syllabus for each course. The student bears the responsibility for the effect that absences may have upon class participation, announced and unannounced examinations, written assignments, reports, papers, and other means of evaluating performance in a course.

If a student's required participation in a University-sponsored activity causes the student to miss class, this is ordinarily considered an absence that is counted against a student in the context of an applicable attendance policy. However, if in this event the student seeks to make arrangements prior to the absence to complete scheduled assignments, the faculty member will work with the student to allow for the completion of missed classwork and assignments.

In the event of serious illness, accident, or death in the family, students should contact their professors as soon as they are able. When such a crisis prohibits the student from being able to make immediate contact, the office of the Chaplain notifies faculty when information is available; the Chaplain does not, however, pursue official verification of such reports. Requests by faculty to verify the nature of an absence should be made to the student upon the student's return. Students are usually allowed to make up classwork and/or tests missed which result from such crises. As these instances are academic matters, any dishonesty

on the part of a student in such a situation is considered a violation of the University Honor Code.

Class absences are one of the early signs that a student may be experiencing academic, personal, or emotional challenges or distress. Resources in the Paul L. Foster Success Center (PLFSC) and Counseling Center are available for students who are experiencing difficulties related to class attendance.

### Students Called for Active Military Duty

An enrolled student who withdraws as a result of being called into active military duty (reserves or National Guard) may choose to:

1. receive a refund of tuition and fees paid toward the current term, or
2. be given full credit of tuition and fees paid toward the current term to apply toward a future term's charges for enrollment, or
3. if late enough in the term, request an "incomplete" so that the remainder of the work could be completed at a later date and receive no refund or credit of tuition and fees.

If the student has met the academic requirements for the term, a grade will be assigned and no tuition refund or credit will be granted.

Board charges are refunded on a *pro rata* basis on the date of the student's withdrawal. Room charges are refunded on a *pro rata* basis based on the date a student officially vacates on-campus housing.

Students having federal/state financial aid will be withdrawn according to the published withdrawal policy. Any refund or credit for a student being called into active military duty who has such financial aid will be considered on a case-by-case basis.

### Transfer Credit

Baylor University has established a number of policies that are designed to ensure the quality of courses transferred to Baylor for credit, assist students as they decide which courses to take, and clarify for advisors which courses students should select at Baylor and elsewhere. The policies below are divided into two sections:

1. general policies on transfer credit,
2. policies specific to course work transferred to Baylor post matriculation (meaning after a student has enrolled at Baylor).

If students intend to take courses at another institution after matriculating at Baylor, they should select courses as similar as possible to what they would experience at Baylor. Students also should not defer basic required courses in the expectation of taking courses elsewhere.

Students can best ensure that they will be prepared for subsequent courses at Baylor by completing foundational courses at Baylor as well.

However, the University recognizes that there are times when Baylor students need to complete some courses elsewhere. To increase the likelihood that students will succeed in subsequent courses at Baylor and to ensure the quality of Baylor degrees, the University has established the stipulations below.

Transfer credit will only be granted for coursework taken at a regionally accredited institution. All coursework that a student completes at another college or university is evaluated for equivalent transfer credits, not necessarily for degree requirements. The student is responsible for working in conjunction with his or her advisor to determine if the equivalent course applies to a specific degree requirement. In addition to working with an advisor, the student should refer to the Baylor University

Undergraduate Catalog and/or the academic dean within the appropriate college or school for additional information on degree requirements.

Equivalent courses are determined based upon a review of the following course characteristics: course description, textbook, course objectives/learning outcomes, assignments, number of credit hours, course prerequisites, and program quality (determined based on a process designed by Institutional Research and Testing in consultation with the relevant department chair and the Vice Provost for Undergraduate Education and Institutional Effectiveness). For more information, visit the “Transfer Credit” link on the Office of the Registrar home page at [www.baylor.edu/registrar](http://www.baylor.edu/registrar) (<http://www.baylor.edu/registrar/>).

Students are responsible for adhering to the policies listed below. If a student fails to abide by these policies, he or she risks losing the proposed transfer credit.

### General Policies on Transfer Credit

1. A grade of “C”<sup>1</sup> or better must be earned in all courses transferred to Baylor; this coursework does not alter the Baylor grade point average.
2. A maximum of seventy (70) semester hours may be transferred from a community/junior college (with a maximum of 15 hours post-matriculation; see below).
3. A minimum of sixty (60) semester hours must be earned in residence. After a student achieves senior standing (90 earned credits), all upper division courses (3000 or 4000 level) must be taken in residence (or in a Baylor approved study abroad program). A student should plan to be enrolled at Baylor in the semester that he or she is a degree candidate.
4. No course at or above the “3000” level may be taken at a community/junior college, and no community/junior college course will be evaluated as an advanced course.
5. In fall and spring semesters, course credit will not be given for courses taken at other colleges or universities if a student is concurrently enrolled at Baylor University. During summer sessions, course credits can be earned at Baylor and other institutions as long as the total course load does not exceed 19 semester credit hours for the entire summer. (The University strongly recommends against students being enrolled in greater than 8 hours simultaneously for a term(s) that is fewer than 8 weeks in duration.)
6. Courses taken pass/fail<sup>1</sup> will not be eligible for transfer.
7. Baylor highly values oral and written communication. The University believes that our required English courses provide students with the essential preparation they need to strengthen their writing abilities.

<sup>1</sup> Given the unprecedented circumstances during the Spring 2020 semester as a result of the outbreak of COVID-19 and the resulting provisions implemented by many institutions to convert grading of coursework to Pass/Fail (or a similar grading basis), Baylor University will provide reasonable flexibility with its expectation that incoming transfer credit noted as “Pass,” “Satisfactory,” or a similar notation from Spring 2020 meet the normal criteria of an earned grade of C or better.

### Policies Specific to Coursework Transferred to Baylor Post-matriculation

1. After matriculation (meaning after a student has enrolled at Baylor), a student may transfer a maximum of fifteen (15) semester hours to Baylor for degree credit.
2. After matriculation, a student may transfer a maximum of two (2) courses from any single course prefix (e.g., ENG, HIS, or SPA).

3. Some departments may require students who transfer courses at the post-matriculation level from another institution to complete a Readiness Exam prior to beginning a subsequent course for which the transferred course is a prerequisite. A Readiness Exam is only administered to students who have transferred in a prerequisite course and who have enrolled in a subsequent course within that discipline at Baylor. The purpose of the exam is not to determine credit for a course taken at another college or university, but rather to provide students with information regarding their preparedness for the course they intend to take.
4. Courses taken in residence may not be repeated at another school for degree credit.

## Curriculum Organization

### General Education Outcomes

At Baylor University, we strive to prepare graduates with the knowledge and skills essential to worldwide leadership and service and to foster in them a commitment to a lifetime of learning. As a result of a thorough grounding in the liberal arts and coursework in their majors, Baylor graduates should be able to:

1. communicate clearly and effectively in writing and speaking in a manner appropriate to the subject, occasion, and audience;
2. think critically, demonstrating proficiency in evaluating evidence, articulating arguments, justifying conclusions, and identifying and presenting multiple perspectives;
3. demonstrate knowledge of the Christian scriptures and heritage that enables engagement with others from a Christian perspective; and
4. demonstrate an awareness of the challenges of a global society through a commitment to social and civic responsibility and service among diverse communities.

### Eligibility for Courses

Courses at the “1000” level should be taken during the freshman and (at the latest) sophomore years. Foreign language should be started during the first year. Science and mathematics sequences should not be interrupted. Students who major in accounting must take ACC 2303 Financial Accounting no sooner than the first semester of their sophomore year.

Once a student has received credit for a course, the student may not receive credit for a prerequisite to that course.

Courses at the “2000” level are usually second-year courses, but a first-year student with fifteen hours credit or with sufficient advanced placement credit may register for a maximum of two such courses if lower courses are not being deferred thereby.

Courses at the “3000” level are primarily for juniors and seniors. However, courses in chemistry, languages, mathematics, and physics may be taken for advanced credit by lower-level students under the following conditions:

1. advanced placement has been secured in the subject;
2. all necessary prerequisites are completed;
3. the logical development of their course of study requires it; and
4. basic lower-level courses are not deferred.

Courses at the "4000" level are not available to students below junior rank except in cases of advanced placement and when no graduate students are enrolled.

Senior level students may be eligible to take one "5000" level course in their major subject each semester. Students must qualify for enrollment based upon the policies stated in the Graduate School Catalog. Interested students should contact the Graduate School and their undergraduate dean's office.

Undergraduate students may not register for "6000" level courses under any circumstances.

## Credit Hours

A credit hour is a nationally-accepted standard based upon the Carnegie unit, which relates course curricula to their specified learning outcomes and the estimated time allotted to achieve those outcomes. All programs of Baylor University are based on semester credit hours except for those in Baylor University's Law School, which uses the quarter credit hour system.

A Semester Credit Hour (SCH) represents a minimum of 15 hours of direct instruction regardless of the number of weeks in the term calendar.

The direct instruction minimum applies to traditional class instruction types (lecture, seminar). These classes also carry the expectation of two hours of out-of-class work for every hour in class, which would be an additional 30 hours. Taken together, the direct instruction and out-of-class student work expectations are called engaged learning time, and represent 45 hours per semester credit. For alternate instruction types (clinical, ensemble, exercise, independent study, internship, lab, practicum, studio, etc.) and distance delivery modes (online or hybrid), direct instruction time is more variable, so equivalency for credit hours should be based upon the engaged learning time required to meet the course outcomes.

## Course Numbering

Baylor course numbers consist of an alpha prefix followed by a four-digit course number. The level is specified by the first digit, as follows:

1. freshman;
2. sophomore;
3. junior;
4. senior;
5. graduate, master's and doctor's;
6. doctoral level only.

The second digit specifies the number of credit hours assigned to the course. The letter "V" is used as the second digit for courses which may be taken for a varying amount of credit; the varying amount of credit is indicated at the right of the course title preceding a course description.

The last two digits are reserved for departmental use in indicating sequence of courses. The letter "C" is used in the third digit to designate capstone courses. (See the School of Music section of this catalog for applied music course numbers.) The letter "R" in the last digit, indicates a Research course.

## Curriculum Changes

Any faculty member can propose a curriculum change such as a new degree, major, secondary major, minor, concentration, or new course (or a change to an existing courses). The first step is a discussion between

the faculty member and the appropriate department chair. The most successful proposals have strong support at the department and dean's office levels. Establishing support across disciplinary and school/college boundaries is beneficial. Departments should follow the curriculum guidelines, as indicated on the Provost's website ([www.baylor.edu/provost](http://www.baylor.edu/provost)), for submitting requested curriculum changes.

Any new degree or major requires approval by the Dean, Vice Provost for Undergraduate Education and Institutional Effectiveness, President, and Board of Regents (requests for new degrees must be submitted at least 6-8 weeks in advance of Board meetings, to be included on the agenda).

Any new secondary major, minor, or concentration requires approval by the Dean and Vice Provost for Undergraduate Education and Institutional Effectiveness.

Any new courses or changes to existing courses require approval by the department chair, departmental-level curriculum committee (not all departments have such a committee), the appropriate school/college-level curriculum committee, and the University Undergraduate Curriculum Committee. If approved, the course revisions are then reviewed by the Vice Provost for Undergraduate Education and Institutional Effectiveness.

To make determinations on how much academic credit should be offered for new courses (or changes to existing courses), individual faculty members and curriculum committees consider the University's policy on credit hours and instructional time. Once approved, changes are entered into the university's academic records system and can be offered during the next most appropriate semester.

## Course Content and the Mission of the University

The preparation of graduates who will lead their fields in practice and relevant research may require inclusion of sensitive and controversial realities and human behavior, but such inclusion does not constitute endorsement by the university.

## Examinations

### End of Semester Examinations

At the end of each semester, examinations are given in all subjects.

The examination closes the work of a particular course. Because of the value in bringing about a general view of the whole subject, no student is excused from any final examination for any reason.

All examinations are conducted on the basis of the Honor Code as printed in the Honor Code book and published online.

No final examination may be given on other than regularly scheduled dates unless approved by the appropriate academic dean. A student with three final examinations scheduled on the same day may appeal to one of the instructors or the appropriate dean who will reschedule an exam during the final examination period.

### Delayed Examinations

A student who misses an end of semester examination due to illness or another imperative cause should, as early as possible, consult the instructor for permission to take a delayed examination. If possible, this request should be made before the scheduled time for the examination. Late explanations are less likely to be accepted. If delayed examination permission is granted, the course grade will be "I" (incomplete) if the



student is in satisfactory status in the course; otherwise, the grade will be "F."

If a delayed examination request is directed to the dean, he or she will consult the instructor and subsequently inform the student of the approval or disapproval of the request. If approved, the student may then arrange with the instructor for the examination. Permission for a delayed examination will not be given unless the student is in good standing in the course. The incomplete grade must be removed by the end of the subsequent semester (summer term included); the "I" will automatically be changed to the grade of "F" if the course is not completed by this time. An "I" is not included in hours earned or grade point average until it expires or becomes a final grade.

## Grading Policies

### Grades, Grade Points, and GPA Calculation

The grade point average (GPA) is calculated by totaling the number of grade points earned and dividing by the number of credits applied toward the GPA. The resulting grade point average is truncated following the second decimal (e.g., 1.99672=1.99). The university does not round the GPA. This method of calculation is used for all academic purposes such as academic standing, graduation, and scholarship eligibility.

Grade point status can be modified only by work done in residence at Baylor; courses may not be repeated at another institution for transfer credit to Baylor. For certain degree requirements, it is expected, and usually required, that a failed course be repeated. It is frequently advisable and sometimes necessary to repeat a course in which a grade of "D" has been earned. See regulations regarding course repetition in this catalog.

| Grade/<br>Symbol | Description   | Grade<br>Points | Included<br>in GPA? | Credits<br>Earned? |
|------------------|---|-----------------|---------------------|--------------------|
| A                |   | 4.00            | Y                   | Y                  |
| A-               |   | 3.67            | Y                   | Y                  |
| B+               |   | 3.33            | Y                   | Y                  |
| B                |   | 3.00            | Y                   | Y                  |
| B-               |   | 2.67            | Y                   | Y                  |
| C+               |   | 2.33            | Y                   | Y                  |
| C                |   | 2.00            | Y                   | Y                  |
| C-               |   | 1.67            | Y                   | Y                  |
| D+               |   | 1.33            | Y                   | Y                  |
| D                |   | 1.00            | Y                   | Y                  |
| D-               |   | .67             | Y                   | Y                  |
| F                |   | 0.00            | Y                   | N                  |
| I                | Incomplete  | n/a             | N                   | N                  |
| IP               | Incomplete Extension                                    | n/a             | N                   | N                  |
| W                | Withdrawal  | n/a             | N                   | N                  |
| P                | Pass  | n/a             | N                   | Y                  |
| FA               | Fail (Pass/Fail)  | n/a             | N                   | N                  |
| CR               | Credit–Satisfactory<br>Completion (Credit/No<br>Credit) | n/a             | N                   | Y                  |

|    |  |     |   |   |
|----|--|-----|---|---|
| NC | No Credit–Unsatisfactory<br>Completion (Credit/No<br>Credit) | n/a | N | N |
| AU | Audit  | n/a | N | N |

### Incomplete Policy

Incompletes should be used when unforeseen circumstances arise that prohibit students from completing assignments and/or exams toward the end of the semester. (Incompletes typically occur because of an excused absence from the final examination or permission for extension of time to submit a report or term paper). The "I" must be removed by the end of the next semester (including the summer term). If the work is not completed and a final grade submitted by that deadline, then the "I" will be changed to a grade of "F." An extension of time petition may be submitted for any course in order to extend the deadline (up to six months) for resolving the "I" prior to it lapsing to an "F." An extension must be initiated by the instructor and approved by the department chair and dean of the school in which the class was offered.

### Grade Change Policy

Changes to grades may be initiated by the instructor of the class and must be approved by the department chair and the dean of the school in which the class was offered (with notification to the dean of the school through which the student is currently seeking a degree). Changes to grades may only be initiated by an instructor when the original grade resulted from an error or when the original grade was an Incomplete; such changes may only be made within one calendar year of the original date that the grade was due and may not occur once a degree to which the course was applied has been conferred. Beyond changes to grades for those reasons, changes may occur when initiated by the Provost based on the finding of a violation of academic integrity or when a grade is successfully appealed through the appropriate process(es); the one-year time limit does not apply to these changes.

### Academic Appeals

The function of the University Academic Appeals Policy and Procedure is to hear student complaints of unfair treatment by members of the faculty. Details of the student grievance procedure can be found online in the University Student Policies and Procedures, at [http://www.baylor.edu/student\\_policies/academicappeal](http://www.baylor.edu/student_policies/academicappeal) ([http://www.baylor.edu/student\\_policies/academicappeal/](http://www.baylor.edu/student_policies/academicappeal/)).

## Course Repetition and Academic Grade Forgiveness

### Course Repetition

A student may repeat a course for which his or her highest earned grade is a "C-" or below. A student may also repeat a course, when approved by the appropriate academic dean, for which he or she needs to earn a higher grade in order to fulfill a prerequisite or a course requirement for a degree, major, or minor (see specific degree/major/minor requirements for policies governing minimum grades needed in those areas). A student will have a maximum of three attempts at any one course, where a class with a grade or a W notation counts as an attempt. Courses attempted at Baylor University, which includes courses for which a student received a W notation, may not be repeated at another institution for transfer to Baylor University. All grades earned at Baylor University will be calculated

in the term and cumulative grade point averages (see Academic Grade Forgiveness for exceptions).

## Academic Grade Forgiveness

A student may request to have the first grade earned (not a W notation) from a repeated course excluded from the calculation of the grade point average (GPA) for a maximum of three courses during one's undergraduate career, where the original grade earned was C- or below. If a student attempts a course a third time and Academic Forgiveness is applied, then all grades except the first will be used to calculate the GPA. Once applied to a particular course, Academic Grade Forgiveness cannot be cancelled or removed (this rule may not be appealed).

## Deans' Academic Honor List

A student who earns a grade point average of 3.70 with no grade lower than a "C" while registered for a minimum of twelve semester hours of regularly graded courses in a semester (including the summer session) will be eligible for the Deans' Academic Honor List issued by the Office of the Provost.

## Graduation with Latin Honors

Students graduating in residence are eligible for the Latin honors *Cum Laude*, *Magna Cum Laude*, and *Summa Cum Laude* under the following conditions:

| Honor           | GPA  |
|-----------------|------|
| Cum Laude       | 3.75 |
| Magna Cum Laude | 3.85 |
| Summa Cum Laude | 3.95 |

Only Baylor University residence credit will be considered in calculating these averages. Credit by examination does not count as residence work toward honors.

*For ceremony purposes, Latin honors are based upon the prior term GPA. Final Latin honors will be calculated once all grades are in and degrees are awarded. The most accurate information will be reflected on the diploma and the transcript.*

## Academic Actions and Student Success

### Responsibilities of Faculty, Staff, and Students

A primary responsibility of the faculty and staff at Baylor University is to provide the opportunity for students to achieve academic success which results in a bachelor's degree. Students are responsible for mastering the prescribed knowledge, methodologies, technologies, and skills necessary to attain their degrees. The University encourages all students to take a proactive approach to their education by interacting with faculty members and fellow students, by seeking academic advisors and vocational mentors, by monitoring their own progress, and by making use of extensive campus resources. Substandard academic progress may result in the issuance of an academic progress report, academic probation, academic suspension, or academic dismissal.

## Academic Progress Reports

At any point during the semester, professors may issue academic progress reports to alert those in the student's care network that there are academic concerns that need to be addressed. Beginning the sixth week of the fall and spring semesters, professors will be prompted by the Paul L. Foster Success Center to submit academic progress reports for any student with substandard academic performance. Academic progress reports are submitted by professors to alert the student about the academic concerns in order that the student might seek out the resources needed to succeed. Indicators of substandard performance include low grades, missing assignments or exams, and/or irregular class attendance. Resources and academic support are available in the Paul L. Foster Success Center as well as the various colleges. In some cases, a student may elect to drop a course in which progress report is issued, but he or she needs to meet with his or her academic advisor before doing so. Academic progress reports are not a part of the student's transcript; their purpose is to help students develop the academic resiliency to be successful in the classroom.

## Academic Probation

At any time a student's term and/or cumulative grade point average (GPA) is below 2.0 on a 4.0 scale, the dean of the academic unit in which the student is enrolled will notify the student that he or she will be placed on academic probation during the next term. Any student with 30 or fewer hours who is placed on probation is required to develop and implement an academic improvement plan. Details will be specified in the probation letter from the student's academic dean. Any student on academic probation is required to obtain academic advisement before registering for the next term. If at the end of the probation term both the student's term GPA and cumulative GPA are 2.0 or above, the student will be removed from probation. However, if at the end of a probation term the student's term GPA is 2.0 or above, but the student's cumulative GPA is still below 2.0, the student will be continued on probation until the cumulative GPA also reaches at least a 2.0.

## Academic Suspension

Once a student has served at least one term of academic probation, if the student's term GPA is ever below a 2.0 for a subsequent term, the student will be subject to academic suspension.

### Suspension Process

Any student who is subject to suspension will be informed in writing by the dean of the academic unit in which the student is enrolled that suspension appears to be appropriate. The letter will indicate that the student has seven (7) business days from the date of the letter to provide the dean with relevant information (change of grade, verifiable medical condition, or other circumstances) that might affect the dean's decision. After reviewing the student's academic records and other relevant information supplied to the dean by the student, the dean will decide whether to place the student on academic suspension or to extend the student's period of academic probation. The dean will notify the student in writing of the decision. The period of suspension for a student who is placed on academic suspension for the first time is two enrollment terms (summer and fall or spring and summer). If a student is suspended at the end of the summer term, the suspension is fall only. The period of suspension for a student who is placed on academic suspension for a second time is three (3) subsequent enrollment terms (Summer counts as one enrollment term). A student who is reinstated following his or her academic suspension is on academic probation and must meet the

terms of academic probation to avoid another academic suspension or a dismissal.

## Reinstatement Following Academic Suspension

Students must apply for reinstatement following academic suspension. The student must explain to the dean in writing his or her assessment of the reasons for the academic difficulties and how, if reinstated, he or she expects to change academic performance so as to raise the term and cumulative GPA to the required level. The dean may elect to grant the student's appeal or extend the academic suspension for an additional term.

## Academic Dismissal

If after being reinstated following a second suspension a student fails to achieve a 2.0 or higher term GPA, he or she will be considered for dismissal from Baylor University. Any student who is subject to dismissal will be informed in writing by the dean of the academic unit in which the student is enrolled that dismissal appears to be appropriate. The letter will indicate that the student has seven (7) business days from the date of the letter to appeal the dismissal. Any appeal must be made in person; it is the student's responsibility to schedule an appointment with the dean. The dean will notify the student in writing of the decision following the student's appeal.

Issuances of probation, suspension, and dismissal are based on grades and grade point averages available at the time of the final decision. These academic actions are noted on the student's academic transcript.

## Honor Code Policy and Procedures

Baylor University students, staff, and faculty shall act in academic matters with the utmost honesty and integrity. A Baylor University student violates the Honor Code if the student engages in dishonorable conduct in connection with an academic matter. Details regarding the Honor Code can be found online in the *University Student Policies and Procedures*, at <http://www.baylor.edu/honorcode> (<http://www.baylor.edu/honorcode/>).

## Baylor University Career Center

The Baylor University Career Center provides support and direction for all Baylor students as they follow their calling into a successful career. The Career Center offers the highest quality career coaching and resources available, while continually researching best practices nationwide to position our students for success. Each one of the Career Success Professionals specializes in an academic area with specific majors. They assist students in career discovery, resume development, internship and job searches, applications, interview preparation, networking, negotiations and more. Students should plan to meet each semester during their Baylor career with a Career Success Professional.

## Paul L. Foster Success Center

The Paul L. Foster Success Center (PLFSC) provides a challenging, invigorating, enriching, and supportive environment for all students by fostering deep engagement in the academic community as well as fulfillment of personal goals and aspirations.

## Office of University Advisement (UA)

University Advisement assists most first-year and some transfer students within specific majors by developing academic plans and clarifying personal goals during advising appointments. (All other students are assigned to other advising areas on campus.) This office also serves as a

reference point for all students who have general advising questions and coordinates advising efforts campus-wide.

## Office of Academic Support Programs (ASP)

Academic Support Programs offers all students multiple opportunities to build academic skills, including a graded study skills course, topical workshops, academic mentoring and counseling, tutoring, and Supplemental Instruction sessions.

## Office of Access and Learning Accommodation (OALA)

OALA provides services and accommodations for students with disabilities in order to support them in their academic success.

## Student Opportunity & Accessibility Resources (SOAR)

SOAR offers resources and programming to support Baylor students, including McNair Scholars and Student Financial Literacy. The McNair Scholars program prepares eligible undergraduate students for the rigors of graduate school through immersion in research and a variety of scholarly activities as early as their sophomore year. Student Financial Literacy helps Baylor students understand personal money management to develop the financial knowledge and skills necessary for current and future financial wellness. SOAR also provides many additional services, including an on-campus free food pantry and resources for students from special populations. SOAR is dedicated to offering the support systems necessary for students to ensure their educational success at all levels.

## McNair Scholars Program

The McNair Scholars Program aims to prepare low-income, first generation and other underrepresented students in acquiring the knowledge, skills and capacities necessary to successfully navigate a path to a Ph.D. program following graduation from Baylor. The program, funded by the U.S. Department of Education, prepares students for the rigors of Ph.D. studies through immersion in research and a variety of scholarly activities.

## Academic Excellence Opportunities

The PLFSC encourages and recognizes academic excellence by sponsoring events such as the Deans' Reception and the annual Celebration of First Year Excellence. Students are challenged to combine interests across disciplines and to connect their academic path to the world beyond the classroom.

## New Student Experience

Recognizing that the first semester at Baylor is a time of tremendous transition for all students (transfers and first-year students alike), all new students are required to take a New Student Experience course. The goals of the NSE are for students to:

- Academic Rigor
- Cultural Humility
- Faith Formation
- Personal Growth

NSE courses include Freshman Academic Seminars, First Year Seminars, introductory courses within the major, general electives, courses associated with Living-Learning Centers, BU 1000, University 1000, and others. For a complete list of NSE courses, see <https://www.baylor.edu/nse/index.php?id=868862> (<https://www.baylor.edu/nse/?id=868862>). (<https://www.baylor.edu/nse/?id=868862>)



## Center for Academic Success and Engagement

The Center for Academic Success & Engagement (CASE) offers all students multiple opportunities to build academic skills, including a graded study skills course, topical workshops, academic mentoring and counseling, tutoring, and Supplemental Instruction sessions. In addition, the purpose of CASE is to positively impact the success of Baylor's students by addressing their social, emotional, transitional and academic concerns. CASE provides programs and supports for first-generation college students, student veterans, pre-law students, transfer students, and students referred by their faculty members.

## Degree Requirements

### General

The candidate for any degree should study carefully all course and other requirements for that degree and for graduation. Each student is responsible for all requirements as stated, and careful attention to the program will result in completion of the requirements for graduation in the minimum time.

The minimum requirement for a Baylor degree is 124 semester hours including at least thirty-six semester hours of "3000" or "4000" level courses; however, specific degrees may require more than the minimum.

Approximately the first sixty-four hours required for the bachelor's degree are devoted to general or introductory study in diverse fields. This diversification is intended to give breadth of view and to assist students in selecting a field of specialization.

### Majors

A major field of specialization should be chosen by the beginning of the junior year and may be chosen earlier. The student may access a current degree audit in the Bearweb (<http://www.baylor.edu/BearWeb/>) system (Student Academic Services -> Student Records -> Degree Audit -> uAchieve Graphical and Interactive degree audit), and is expected to monitor the degree audit each semester. The degree audit, a computer-generated report outlining the student's academic progress toward completion of a specified degree program, is available via Bearweb (<http://www.baylor.edu/BearWeb/>). University requirements for the major, such as minimum hours, residence, advanced work, and GPA, are listed under the "Degree Requirements" for each academic unit.

### Minors

A student may elect a minor consisting of a minimum of eighteen semester hours in a designated area of study, which may be from a different school/college than the major field (at least twelve hours in residence). At least nine hours must be at the "3000" or "4000" level; not more than three hours from the major may be applied to the minor. Specific requirements for the minor, as designated by the academic units, are listed with "Degree Requirements" and in the department and institute sections of this catalog.

## Second Degrees

Students may qualify for a second, and different, bachelor's degree from Baylor University by completing a minimum of thirty semester hours (sixty hours if the first degree was obtained elsewhere) after the first degree has been awarded. Students returning for a second undergraduate degree will be classified as a postbaccalaureate student.

These hours must include all major requirements pertaining to the second degree that were not included in the first degree program. All

courses must be completed in residence. The major for the second degree must differ from the first and must include at least twelve hours of additional "3000" or "4000" level courses.

If a student wishes to seek a minor on a second degree, it must be in a different field from the major or minor on the first degree and must include a minimum of nine additional hours taken in residence beyond the hours in that field taken on the first degree. At least six hours of the additional nine hours must be advanced. All of the basic requirements for all minors also apply.

## Secondary Majors

Secondary majors offer students the opportunity to earn one baccalaureate degree in one program supplemented by a rich intellectual experience in a second field of specialization outside of that primary program. The "secondary major" offers students the option of studying two subjects from two different programs while earning a baccalaureate degree in the first major without the requirement of earning a second baccalaureate degree in the secondary major.

This option allows a student from one degree program to earn a secondary major from a participating department within a different program by fulfilling the requirements set forth by that participating department but without requiring students to enroll in the additional courses that comprise that other program's core curriculum. Through the secondary major option, upon graduation, a student earns one baccalaureate degree from Baylor (through the fulfillment of all requirements from the student's home college or school). Although that student will not be awarded a second *degree*, the student's transcript will reflect that he or she has earned a secondary major in that second area of study.

Interested students should consult the departmental sections within this catalog to determine specific requirements for secondary majors. If interested, students also should contact their "secondary" department as early in their undergraduate studies as possible to determine if a secondary major is available and to receive advising.

General requirements for coursework and progression standards for primary majors also apply to secondary majors.

## Certificates

Certificates are optional and offer students the opportunity to choose from a select group of courses focused on helping develop a particular skill or area of expertise.

Twelve hours minimum are required (residence - minimum nine hours). A minimum of nine advanced hours is required.

Students must have a grade point average minimum of 2.00 ("C") on all courses in the certificate taken at Baylor. Some departments require a "C" or better in every course applying to the certificate or may require a higher overall GPA for the certificate.

## Other Requirements for Graduation

### Residence Requirements

Baylor University holds to the principle that a Baylor degree is symbolic of a Baylor education and of the principles for which Baylor stands. To this end the University insists on a significant residence period as a degree requirement. A minimum of sixty semester hours must be earned in residence, and the University urges a much higher amount. Registered

nurses pursuing the bachelor of science in nursing degree must complete a minimum of thirty semester hours in residence. This minimum must include the last thirty hours of degree requirements. At least twelve hours of advanced work in the major and twelve hours (nine advanced) in the minor must be earned in residence. Students pursuing the bachelor of science in education degree must earn at least twenty-three advanced hours of secondary and twenty-three advanced hours of elementary education in residence. Those seeking teacher certification must also earn at least six semester hours of advanced work in an academic specialization (for elementary certification) or nine semester hours of advanced work in each teaching field (for secondary certification) and must complete student teaching in residence. These are irreducible minima.

For students enrolled in cooperative degree programs, such as clinical laboratory science, the request for all upper division courses to be taken in residence applies to courses taken in the year prior to when the professional program begins.

## Chapel

University Chapel is the oldest tradition at Baylor and stands as a symbol and a witness to all in the Baylor community of our heritage and mission.

For over 170 years students have gathered to worship and pray, to be taught and inspired, and to encounter God in a way that makes a difference in their college experience. Chapel is not only a reminder of and a connection to our faith, but it is an important component in a Baylor education, which emphasizes the development of the whole person. For these reasons, two semesters of Chapel are a graduation requirement at Baylor University.

The Chapel requirement of two semesters is for an entering first-year student and for a student who transfers to Baylor from another institution and who is classified by Baylor at the time of transfer as either a freshman or a sophomore. The Chapel requirement is one semester for a student who transfers to Baylor from another institution and who is classified by Baylor at the time of transfer as either a junior or a senior. (See "Student Classifications" in this catalog.) In their first semester at Baylor, all incoming students will be registered for Chapel.

## Admission to Candidacy

All candidates for degrees should file notice of intention to graduate in their respective dean's offices during the second semester of their junior year. This will make it possible for records to be checked to determine eligibility for graduation. Failure to do this may cause a delay in graduation because of unfulfilled requirements. To be admitted to unqualified candidacy for graduation in this semester, the student must be following an official degree program making it possible to graduate as planned and must have earned approximately enough grade points to graduate.

Students may graduate at the end of the fall semester, spring semester, or summer session. Graduates are expected to attend the commencement exercises. Diplomas are dated and available only as of the official closing date of a semester or full summer session. No student may receive his or her diploma until all degree requirements are complete and the necessary official records are in the Office of the Registrar. The university reserves the right to correct errors in records at any time. Students permitted to complete programs off campus are responsible for indicating their term of graduation and for supplying all records needed.

## Grade Average

A grade average of "C" or better must be maintained overall and in all major and minor fields and academic specializations. Exceptions to this policy may be found in the requirements for each academic unit. Grade averages are computed on the basis of hours attempted, not hours completed. The grade average in the major field is based on all attempted courses eligible to be included in the major, not merely on the minimum major requirements. Credit transferred from other schools does not affect the GPA in any respect. An undergraduate student with an outstanding grade (e.g. incomplete or missing grade) is not eligible to receive a degree until such time as the outstanding grade has been resolved.

## Required Assessment

Graduating students may be asked to participate in one or more assessment activities which may include nationally normed academic achievement tests, by discipline, administered by departments, schools, or the university in general. Assessment of student outcomes is an integral accreditation requirement for Baylor University.

## Catalog Governing Requirements

Normally a student will fulfill the degree requirements as listed in the catalog of the year of initial, continual enrollment. The student may choose the requirements as listed for any other specific academic year in which the student is enrolled. However, the university reserves the right to make any changes in requirements it may consider necessary and desirable by due notice in this catalog.

The catalog year begins with the opening of the fall semester. All undergraduate students who enroll at Baylor for the first time as a degree-seeking student in summer will follow degree requirements matching those for the subsequent fall semester. Course prerequisites will apply as approved based on the term in which a student registers for a course regardless of the course prerequisites identified in the catalog matching a student's degree requirements.

## Participation in Commencement Ceremonies

Students seeking a bachelor's, master's or Education Specialist degree, who were enrolled in or have completed sufficient coursework to complete degree requirements in a term, may participate as a degree candidate in commencement ceremonies at the end of that term. (For the purposes of determining sufficient coursework under this policy, a student must have received a final grade, an incomplete notation (I), or a withdrawal notation (W) for relevant coursework.) Students who withdraw from the University in the term and have not been certified for completion of a degree may not participate.

## Posthumously Awarded Degrees

A student in his/her final year (e.g., an undergraduate student having completed 90 credit hours or greater), who is enrolled in good standing, making satisfactory academic progress, meeting all minimum grade point average requirements for his/her degree program, and dies before completing his/her degree may be awarded the degree posthumously upon the recommendation of the student's academic dean and with the approval of the Provost.

## Revisions to This Catalog

To request revisions to this catalog, contact Dr. Wesley Null, Vice Provost for Undergraduate Education and Institutional Effectiveness, at [Wesley\\_Null@baylor.edu](mailto:Wesley_Null@baylor.edu).

## College of Arts & Sciences

### Introduction

The founding of Baylor University at Independence in 1845 resulted from the efforts of the Education Society of the Union Baptist Association of the Republic of Texas. That body resolved “to found a Baptist University in Texas upon a plan so broad that the requirements of existing conditions would be fully met and would be susceptible of enlargement and development to meet the demand of all ages to come.” The importance of the liberal arts for the achievement of this resolve was embraced early and was formalized by the organization of the College of Arts & Sciences in 1919.

The College has programs leading to degrees of bachelor of arts, bachelor of science, bachelor of science in aviation sciences, and bachelor of fine arts. Highly motivated and qualified students may participate in the Honors Program or the University Scholars Program. In addition to the departments of study, there are interdepartmental programs and preparatory courses for professional pursuits at Baylor and other universities. Foreign study is available through a number of programs structured by departments of the College in conjunction with the Academic Affairs Division. Academic advisement, personal counseling, and testing services are provided by the University.

### Accreditation

The College of Arts & Sciences is fully accredited by the Council of Colleges of Arts & Sciences.

### The Mission and Values of the Baylor College of Arts & Sciences

The Baylor University College of Arts & Sciences exists to nourish students' individual lives, fostering their development as imaginative, engaged leaders who will use their skills and character to address the needs and challenges of the larger world.

The College of Arts & Sciences is the foundation upon which all Baylor students' educational experiences build. Skills in critical thinking, problem-solving, and oral and written communication are informed by introductory courses such as religion, literature, the arts, science, history, and politics.

#### The College values:

- The community of learning between professors and students.
- A culture of discovery and application of knowledge in both traditional and emerging areas of study.
- The commitment to civil society and the Christian values that undergird the academic community at Baylor.
- An interdisciplinary mindset that acknowledges the “interconnectedness” of all the fields and professions represented in the College as well as understanding that the whole is greater than the sum of the parts.
- Service-learning, experiential learning, and undergraduate research.
- An awareness of the global community in which the university exists and striving to connect the classroom to the world.

### The History of the Baylor University College of Arts & Sciences

The College of Arts & Sciences — the largest academic unit of Baylor University with 475 full-time faculty and more than 6,600 students — celebrated its centennial in 2019.

The fields of study contained within the 25 departments within the current College of Arts & Sciences, including English, foreign languages, religion, political science, the fine arts, history, mathematics, and the sciences, made up almost all of Baylor University's curriculum in its first decades.

Just before the observance of Baylor's 75th anniversary with the celebration of its Diamond Jubilee in 1920, the Baylor Board of Trustees decided to formalize a new, more modern academic structure for the University. On March 21, 1919, trustees divided the University into six academic units — the College of Arts & Sciences, the College of Fine Arts, the College of Medicine, the College of Pharmacy, the College of Dentistry, and the School of Education.

Under this new alignment, the College of Fine Arts housed the disciplines of choral and instrumental music, as well as public speaking and expression. The remaining disciplines that were not included within the fields of medicine, dentistry, pharmacy, or education were placed in the College of Arts & Sciences. This arrangement lasted for two years until Baylor trustees in 1921 dissolved the College of Fine Arts and created the School of Music and Fine Arts, with courses in public speaking and expression transferred to the College of Arts & Sciences.

#### A dozen deans

Samuel Riley Spencer, a physics professor, served as the first dean of the College of Arts & Sciences. The 11 deans that have followed him included Dr. William Sims Allen, who served as Baylor's acting president for a year following the death of Dr. Samuel Palmer Brooks in 1931. Four Arts & Sciences deans have left that job at Baylor to accept the presidency of other universities, while three other deans went on to become the provost of Baylor or another university.

Dr. George M. Smith, who served as Arts & Sciences dean from 1955 to 1974, has the longest tenure with 19 years as dean. The current Arts & Sciences Dean, Dr. Lee C. Nordt, is the second-longest-serving dean with 14 years of leading the College.

#### Academic highlights

As Baylor's largest academic unit with the most departments, the College of Arts & Sciences has been at the forefront of many academic milestones during its 100 years of formal operation. It granted Baylor's first Ph.D. degree — in chemistry — in 1954, and when the University awarded its first Ph.D. degree to a woman the following year, that degree — in biology — was also in Arts & Sciences.

Two Arts & Sciences professors — Robert Reid in history and Ann Miller in English — were the first Baylor faculty members to be given the designation of Master Teachers by the University in September 1982. The majority of distinguished teaching awards presented at Baylor each year, including the Collins Outstanding Professor Award and the Cornelia Marshall Smith Professor of the Year Award, have been won by the Arts & Science faculty. And students receiving degrees from the College of Arts & Sciences are the majority of Baylor recipients of prestigious international scholarships such as the Marshall, Truman, and Fulbright.

The College of Arts & Sciences has produced a diverse and talented group of alumni over the past century that has excelled internationally in fields including religion and Christian ministry, law and social justice,

healthcare, business, education, arts and entertainment, politics, and scientific discovery. Baylor Arts & Sciences graduates include two Texas governors -- Price Daniel and Ann Richards -- and three Baylor presidents -- Judge Abner McCall, Dr. Herbert H. Reynolds, and Dr. Robert B. Sloan Jr.

## Deans

| Name                        | Title  |
|-----------------------------|--|
| Lee C. Nordt, Ph.D.         | Dean   |
| Blake W. Burleson, Ph.D.    | Associate Dean for Undergraduate Studies, Strategic and Enrollment Initiatives |
| Andrew P. Hogue, Ph.D.      | Associate Dean for Engaged Learning  |
| Carrolle Kamperman, M.A.    | Associate Dean for Undergraduate Studies, Student Success Management           |
| Kimberly R. Kellison, Ph.D. | Associate Dean for Humanities and Social Sciences                              |
| Marcie Moehnke, Ph.D.       | Associate Dean for Undergraduate Studies, Sciences                             |
| Brian E. Raines, D. Phil.   | Associate Dean for Research and Strategic Planning                             |
| Charles Weaver, Ph.D.       | Associate Dean for Sciences  |

## Endowed Positions

### Chairs

James R. Schofield Endowed Chair in Biomedical Studies  
 Robert A. Welch Chair in Chemistry  
 The Floyd F. Davidson Endowed Memorial Chair in Biology  
 The Glenn R. Capp Chair in Forensics  
 The Ralph L. and Bessie Mae Lynn Chair in History  
 The Darrell Keith Chair in Medicine and Law  
 The Ralph and Jean Storm Chair in Mathematics  
 The R.W. Morrison Chair in Political Science  
 The W. Marshall and Lulie Craig Chair in Bible  
 The Kidd L. and Buna Hitchcock Macon Chair in Religion  
 The Dr. W.W. Melton Chair in Religion  
 The Raymond O. Hubler Chair of Ministry Guidance

### Professorships

The Cornelia Marschall Smith Professorship in Biology  
 The Schotts Professorship in Chemistry  
 The W.M. Keck Professorship in Geophysics  
 The Fred Hartman Distinguished Professor in Journalism  
 The Reverend Jacob Beverly Stiteler Professorship in Greek  
 The Lillian and Rupert Radford Distinguished Professorship in Journalism  
 The W. Winfred and Elizabeth Moore Visiting Professorship in Ministry Guidance  
 The Michael E. DeBakey, M.D., Selma DeBakey and Lois DeBakey Chair for Medical Humanities  
 The R.W. Morrison Professor of Political Science  
 The J. Newton Rayzor, Sr., Distinguished Professorship in Philosophy  
 The Bob Bullock Professorship in Public Policy and Administration  
 The George W. Baines Professorship in Religion  
 The Linden G. Bowers Professorship in American History  
 The Frederick Roach Professorship in Religion  
 The J. David Slover Professorship of Ministry Guidance  
 The James Vardaman Endowed Professorship in History

## Department of Aerospace Studies (Air Force ROTC)

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 Capt Ken P. Herlacher, B.A.  
 Capt Athina C. Teicher, B.S.  
 Maj Carl D. Tidwell III, B.A.  
 Maj Rodney W. Wilkinson, B.A.

## Institute for Air Science

William B. (Trey) Cade III, Ph.D., Director  
 Timothy Compton, M.S.

## Department of Anthropology

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 Sara E. Alexander, Ph.D.  
 Lori E. Baker, Ph.D.  
 Katie M. Binetti, Ph.D.  
 Garrett W. Cook, Ph.D.  
 Joseph V. Ferraro, Ph.D.  
 Mark V. Flinn, Ph.D.  
 Julie A. Hoggarth, Ph.D.  
 James R. Huggins, M.F.S.  
 Austin W. Reynolds, Ph.D.  
 Samuel S. Urlacher, Ph.D.

## Department of Art and Art History

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 Kyle A. Chaput, M.F.A.  
 Leah M. Force, M.F.A.  
 Benny J. Fountain, M.F.A.  
 John Mack Gingles, M.F.A.  
 Virginia Green, M.F.A.  
 Julia L. Hitchcock, M.F.A.  
 Katherine M.J. Larson, Ph.D.  
 Greg Lewallen, M.A.  
 Andrew McIntyre, M.F.A.  
 Winter L. Rusiloski, M.F.A.  
 H. Jennings Sheffield, M.F.A.

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 Maria Elena Bottazzi, Ph.D.  
 Tamar E. Carter, Ph.D.  
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 Jacquelyn Duke, Ph.D.  
 Maria Teresa Fernandez-Luna, Ph.D.  
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 Marty L. Harvill, Ph.D.  
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 Sarah Kienle, Ph.D.  
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 Panos Koutakis, Ph.D.  
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 Myeongwoo Lee, Ph.D.

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 Cheolho Sim, Ph.D.  
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 Amanda Sigler, Ph.D.



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Zachary D. Wingerd, Ph.D.  
Davide M. Zori, Ph.D.

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Elizabeth M. Bates, Ph.D.  
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Fritz Gesztesy, Ph.D.  
Amy M. Goodman, Ph.D.  
Philip J. Graber, Ph.D.  
Dana Gwynn, M.S.  
Paul A. Hagelstein, Ph.D.  
Jon Harrison, Ph.D.  
Johnny L. Henderson, Ph.D.  
Daniel W. Herden, Ph.D.  
Reeve Hunter, Ph.D.  
Markus Hunziker, Ph.D.  
Robert Kirby, Ph.D.  
Jeonghun Lee, Ph.D.  
Haojian Li, Ph.D.  
Lance L. Littlejohn, Ph.D.  
Andrei Martinez-Finkelshtein, Ph.D.  
Sergio Mayorga, Ph.D.  
Jonathan R. Meddaugh, Ph.D.  
Tao Mei, Ph.D.  
Marius Mitrea, Ph.D.  
Brian E. Raines, D.Phil.  
David J. Ryden, Ph.D.  
Mark R. Sepanski, Ph.D.  
Qin Sheng, Ph.D.

Brian L. Simanek, Ph.D.

## Department of Military Science

LTC Brandon Soltwisch, M.A., Chair

MAJ Greg Hampton, M.A.

CPT Alex Hedine

CPT Shenika Lewis

Ehren Miller, B.S.

Eddie Smith

CPT Jeff Thompson, B.A.

## Department of Modern Languages and Cultures

B. Michael Long, Ph.D., Chair

M. Cristian Bratu, Ph.D., Associate Chair

### Division of Asian and African Languages

Xin Wang, Ph.D., Director

Michael Abd-Elmessih, M.S.

Yoshiko F. Gaines, M.A.

Hajime Kumahata, M.M.

Yuko Prefume, Ed.D

Abdul M. Saadi, Ph.D.

Holly G. Shi, M.A.

Lynn Whitcomb, Ph.D.

Vincent Yang, Ph.D.

### Division of French and Italian

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Eleonora Bascolo Sutea, Ph.D.

Tiziano Cherubini, Ph.D.

Holly L. Collins, Ph.D.

Theresa V. Kennedy, Ph.D.

Marie N. Level, M.A.

Jill Cornish, Ph.D.

Alexandre Thiltges, Ph.D.

David M. Uber, Ph.D.

### Division of German and Russian

Jennifer L. Good, Ph.D., Director

Adrienne M. Harris, Ph.D.

Eva Hruska, M.A.

B. Michael Long, Ph.D.

Janya H. Martin, Ph.D.

Ann McGlashan, Ph.D.

Christina C. Walter-Gensler, Ph.D.

Sharon Weiner, Ph.D.

Andrew C. Wisely, Ph.D.

### Division of Spanish and Portuguese

Leslie J. Harkema, Ph.D., Director

Julio C. Aguilar, Ph.D.

Rosalie Barrera, M.A.

Joan P. Barrett, Ph.D.

Freida H. Blackwell, Ph.D.

Fernanda V. Bueno, Ph.D.

Rafael Climent-Espino, Ph.D.

Rosario Colchero-Dorado, Ph.D.

Isabel Colorado-Edwards, M.A.

José Luis Escorcía, M.A.

Laura Llamas Fraga, M.A.

Guillermo Garcia-Corales, Ph.D.

Baudelio Garza, Ph.D.

Karol J. Hardin, Ph.D.

Allyson L. Irom, Ph.D.

Tracey R. Jones, M.A.

Paul E. Larson, Ph.D.

Karen I. Lopez-Alonzo, Ph.D.

Deborah Manzanarez, M.A.

Louis M. Mazé, M.A.

Linda M. McManness, Ph.D.

Alexander J. McNair, Ph.D.

Gabrielle K. Miller, Ph.D.

Moisés Park, Ph.D.

Stephen A. Silverstein, Ph.D.

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Scott F. Spinks, Ph.D.

## Department of Museum Studies

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Julie L. Holcomb, Ph.D.

Kimberly McCray, Ph.D.

## Department of Philosophy

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Charity R. Anderson, Ph.D.

Michael D. Beaty, Ph.D.

Francis J. Beckwith, Ph.D.

David D. Corey, Ph.D.

Elizabeth Corey, Ph.D.

Darin H. Davis, Ph.D.

C. Stephen Evans, Ph.D.

Robert Garcia, Ph.D.

Douglas Henry, Ph.D.

Thomas S. Hibbs, Ph.D.

Yoaav Isaacs, Ph.D.

Anne Jeffrey, Ph.D.

James A. Marcum, Ph.D.

Robert C. Miner, Ph.D.

Scott H. Moore, Ph.D.

Alexander R. Pruss, Ph.D.

Anne-Marie Schultz, Ph.D.

Thomas M. Ward, Ph.D.

J. Lenore Wright, Ph.D.

## Department of Physics

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Barbara Castanheira Endl, Ph.D.

Gerald B. Cleaver, Ph.D.

Jay R. Dittmann, Ph.D.

Kenichi Hatakeyama, Ph.D.

David J. Hilton, Ph.D.

Truell W. Hyde II, Ph.D.

Jeffrey S. Olafsen, Ph.D.

Kenneth T. Park, Ph.D.

Dwight P. Russell, Ph.D.

John Vasut, Ph.D.

Anzhong Wang, Ph.D.

Bennie F. L. Ward, Ph.D.  
Walter M. Wilcox, Ph.D.  
Zhenrong Zhang, Ph.D.

## Department of Political Science

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Dwight D. Allman, Ph.D.  
Steve Block, Ph.D.  
David Bridge, Ph.D.  
Timothy W. Burns, Ph.D.  
Peter P. Campbell, Ph.D.  
Jordan T. Cash, Ph.D.  
Patrick J. Flavin, Ph.D.  
Rebecca McCumbers Flavin, Ph.D.  
Ivy Hamerly, Ph.D.  
Sergiy Kudelia, Ph.D.  
Richard P. Jordan, Ph.D.  
Benjamin A. Kleinerman, Ph.D.  
Curt Nichols, Ph.D.  
Ann M. E. Ward, Ph.D.  
Lee A. Ward, Ph.D.

## Department of Psychology and Neuroscience

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A. Alexander Beaujean, Ph.D.  
Sara L. Dolan, Ph.D.  
Gary Elkins, Ph.D.  
Thomas A. Fergus, Ph.D.  
Annie T. Ginty, Ph.D.  
Regina Hiraoka, Ph.D.  
Lara S. Hwa, Ph.D.  
N. Bradley Keele, Ph.D.  
Shawn J. Latendresse, Ph.D.  
Tamara J. Lawrence, Ph.D.  
Christine A. Limbers, Ph.D.  
Joaquin N. Lugo, Ph.D.  
Karenna F. Malavanti, Ph.D.  
Renee Michalski, Ph.D.  
Meredith H. Palm, Ph.D.  
Hugh H. Riley, Ph.D.  
Wade C. Rowatt, Ph.D.  
Stacy R. Ryan-Pettes, Ph.D.  
Keith P. Sanford, Ph.D.  
Sarah A. Schnitker, Ph.D.  
Michael K. Scullin, Ph.D.  
Jo-Ann C. Tsang, Ph.D.  
Elisabeth G. Vichaya, Ph.D.  
Alisha M. Wray, Ph.D.

## Department of Religion

C. Douglas Weaver, Ph.D., Interim Chair  
Blake W. Burleson, Ph.D.  
Joel S. Burnett, Ph.D.  
Carlos F. Cardoza-Orlandi, Ph.D.  
Natalie M. Carnes, Ph.D.  
Joe L. Coker, Ph.D.  
Derek S. Dodson, Ph.D.  
Elise M. Edwards, Ph.D.  
Elizabeth H. Flowers, Ph.D.

Noel Forlini Burt, Ph.D.  
Deirdre N. Fulton, Ph.D.  
Eric M. Holleyman, Ph.D.  
Dennis Horton, Ph.D.  
Kelly R. Iverson, Ph.D.  
Bruce W. Longnecker, Ph.D.  
Paul H. Martens, Ph.D.  
Mandy E. McMichael, Ph.D.  
David Moseman, Ph.D.  
James D. Nogalski, Ph.D.  
Lidija Novakovic, Ph.D.  
Mikeal C. Parsons, Ph.D.  
Devan J. Stahl, Ph.D.  
Jonathan Tran, Ph.D.  
Chris van Gorder, Ph.D.  
David M. Whitford, Ph.D.

## Department of Sociology

F. Carson Mencken, Ph.D., Chair  
Matthew Andersson, Ph.D.  
Mackenzie B. Brewer, Ph.D.  
Kevin D. Dougherty, Ph.D.  
Robyn L. Driskell, Ph.D.  
Paul D. Froese, Ph.D.  
Diana Kendall, Ph.D.  
Jodien Johnson, Ph.D.  
Samuel Kye, Ph.D.  
J. Larry Lyon, Ph.D.  
Jerry Z. Park, Ph.D.  
Christopher M. Pieper, Ph.D.  
Jeremy E. Uecker, Ph.D.  
Laura Upenieks, Ph.D.  
George Yancey, Ph.D.

## Department of Statistical Science

James D. Stamey, Ph.D., Chair  
Michael Gallagher, Ph.D.  
Jane L. Harvill, Ph.D.  
Amanda S. Hering, Ph.D.  
Jeanne S. Hill, Ph.D.  
Dennis A. Johnston, Ph.D.  
David J. Kahle, Ph.D.  
Amy B. Maddox, Ph.D.  
Joshua D. Patrick, Ph.D.  
John W. Seaman, Jr., Ph.D.  
Joon Jin Song, Ph.D.  
Rodney X. Sturdivant, Ph.D.  
Jack D. Tubbs, Ph.D.  
Dean M. Young, Ph.D.

## Department of Theatre Arts

DeAnna M. Toten Beard, Ph.D., Chair  
Guilherme Almeida, M.M.  
Sally L. Askins, M.F.A.  
Lisa Denman, M.F.A.  
Stan Denman, Ph.D.  
Sam Henderson, M.F.A.  
Melissa E. Johnson, M.A.  
David J. Jortner, Ph.D.  
Ryan Swift Joyner, M.F.A.

Amanda S. Lassetter, M.A.  
 John-Michael Marrs, M.F.A.  
 Sarah Mosher, M.F.A.  
 JoJo E. Percy, M.F.A.  
 Steven C. Pounders, M.F.A.  
 Adam R. Redmer, M.F.A.  
 Jordan M. Rousseau, M.F.A.  
 Brandon Sterrett, M.F.A.  
 Michael J. Sullivan, M.F.A.  
 Meredith V. Sutton, M.F.A.  
 Lauren M. Weber, M.F.A.

## Program in Medical Humanities

Lauren A. Barron, M.D., Director  
 Joseph A. DiLuzio, Ph.D.  
 Karol J. Hardin, Ph.D.  
 Julia Hitchcock, M.F.A.  
 William G. Hoy, D.Min., F.T.  
 Ann Jeffrey, Ph.D.  
 Jeff Levin, Ph.D., M.P.H.  
 James A. Marcum, Ph.D.  
 Eric C. Martin, Ph.D.  
 Walter M. Matthews, M.D.  
 Michael Muehlenbein, Ph.D.  
 Devan Stahl, Ph.D.  
 Jason Whitt, Ph.D.

## Professional Advisors

The College of Arts & Sciences Advisement Office (CASA) advises most freshmen, sophomores, juniors and transfer students within specific majors in the College. Most seniors are advised by faculty mentors. Undecided students are advised by University Advisement. Refer to BearWeb (<http://www.baylor.edu/BearWeb/>) or Navigate for your specific advising assignment.

Deanne Kramer, Senior Director  
 Jason Bushnell, Director  
 Tonja Aycock, Advising Program Coordinator  
 Tonya Tenberg, Administrative Associate  
 Lisa Asher, Assistant Director  
 Patrick Broaddus, Senior Academic Advisor  
 Brett Gibson, Associate Director  
 Jessi Hitt, Academic Advisor  
 Becky Holloman, Academic Advisor  
 Kyle Howerton, Academic Advisor  
 Erin Jacobus, Academic Advisor  
 Carrie Marley, Academic Advisor  
 Laura McNutt, Academic Advisor  
 Jolinda Whitney, Senior Academic Advisor  
 Candace Woolverton, Academic Advisor

## Undergraduate Programs

### Majors

#### Bachelor of Arts

American Studies  
 Anthropology  
 Arabic and Middle East Studies  
 Art History  
 Asian Studies  
 Astronomy

Astrophysics  
 Biochemistry  
 Chemistry  
 Classics  
 Communication  
 Communication Specialist  
 Computer Science<sup>2</sup>  
 Earth Science  
 Economics<sup>2</sup>  
 English  
 Environmental Studies  
 Film and Digital Media  
 French  
 German  
 Great Texts of the Western Tradition<sup>3</sup>  
 Greek  
 Greek and Roman Studies  
 History  
 Humanities Research Fellows  
 International Studies  
 Journalism  
 Latin  
 Latin American Studies  
 Linguistics  
 Mathematics  
 Medical Humanities<sup>1</sup>  
 Museum Studies  
 Music<sup>2</sup>  
 Philosophy  
 Physics  
 Political Science  
 Professional Writing and Rhetoric  
 Psychology  
 Religion  
 Russian  
 Slavic and East European Studies  
 Sociology  
 Spanish  
 Studio Art  
 Theatre Arts  
 University Scholars<sup>3</sup>

#### Bachelor of Science

Anthropology  
 Applied Mathematics  
 Astronomy  
 Astrophysics  
 Biochemistry  
 Biology  
 Chemistry  
 Economics<sup>2</sup>  
 Environmental Health Science  
 Environmental Science  
 Geosciences  
 Mathematics  
 Neuroscience  
 Physics  
 Psychology  
 Science Research Fellows<sup>1</sup>  
 Statistics

## Bachelor of Fine Arts

Theatre Design and Technology  
Theatre Performance  
Studio Art

## Bachelor of Science in Aviation Sciences

Aviation Administration  
Aviation Sciences

## Secondary Majors

Anthropology  
Arabic and Middle East Studies  
Asian Studies  
Astronomy  
Astrophysics  
Aviation Sciences  
Biochemistry  
Biology  
Chemistry  
Classics  
Communication  
Communication Specialist  
English  
Film and Digital Media  
French  
Geology  
German  
Great Texts of the Western Tradition<sup>3</sup>  
Greek  
Greek and Roman Studies  
History  
International Studies  
Italian Studies  
Journalism  
Latin  
Latin American Studies  
Linguistics  
Mathematics  
Philosophy  
Physics  
Political Science  
Professional Writing and Rhetoric  
Religion  
Russian  
Slavic and East European Studies  
Sociology  
Spanish  
Statistics  
Theatre Arts

## Minors

Advertising  
American Studies  
Anthropology  
Arabic  
Archaeology  
Art History  
Asian Studies  
Astronomy  
Astrophysics  
Aviation Sciences  
Biochemistry  
Biology

Chemistry  
Chinese  
Classics  
Corporate Communication  
Creative Writing  
Criminal Justice  
Earth Science  
English  
Environmental Studies  
Film and Digital Media  
Film Theory and Criticism  
Forensic Science  
French  
Geology  
German  
Great Texts of the Western Tradition<sup>3</sup>  
Greek  
Greek and Roman Studies  
History  
International Studies  
Italian  
Japanese  
Latin  
Latin American Studies  
Leadership in Medicine  
Legal Reasoning and Analysis  
Linguistics  
Mathematics  
Media Management  
Medical Humanities  
Middle East Studies  
Military Studies  
Museum Studies  
News Editorial  
Photojournalism  
Philosophy  
Physics  
Political Science  
Public Relations  
Recreation Ministry<sup>2</sup>  
Religion  
Rhetoric and Public Discourse  
Russian  
Sociology  
Spanish  
Statistics  
Studio Art  
Theater Design and Technology  
Women's and Gender Studies  
World Affairs

## Certificates

Bioethics  
Spanish for Healthcare Professions

<sup>1</sup> Multidisciplinary programs

<sup>2</sup> Intrauniversity programs

<sup>3</sup> Honors College

## 4+1 Accelerated Graduate Programs

Bachelor of Arts in American Studies/Master of Arts in Museum Studies



Bachelor of Arts in Anthropology/Master of Arts in Museum Studies  
 Bachelor of Arts in Art History/Master of Arts in Museum Studies  
 Bachelor of Arts in Art History/Master of Arts in Teaching  
 Bachelor of Arts in Biochemistry/Master of Arts in Teaching  
 Bachelor of Arts in Chemistry/Master of Arts in Teaching  
 Bachelor of Arts/Master of Arts in Classics  
 Bachelor of Arts/Master of Arts in Communication  
 Bachelor of Arts in English/Master of Arts in Teaching  
 Bachelor of Arts in Environmental Studies/Master of Arts in Teaching  
 Bachelor of Arts in History/Master of Arts in Museum Studies  
 Bachelor of Arts in History/Master of Arts in Teaching  
 Bachelor of Arts in Journalism/Master of Arts in Museum Studies  
 Bachelor of Arts in Mathematics/Master of Arts in Teaching  
 Bachelor of Arts/Master of Arts in Museum Studies  
 Bachelor of Arts in Religion/Master of Arts in Teaching  
 Bachelor of Arts in Studio Art /Master of Arts in Teaching  
 Bachelor of Arts in University Scholars/Master of Arts in Teaching  
 Bachelor of Fine Arts in Studio Arts/Master of Arts in Teaching  
 Bachelor of Science in Applied Mathematics/Master of Arts in Teaching  
 Bachelor of Science in Biochemistry/Master of Arts in Teaching  
 Bachelor of Science in Biology/Master of Arts in Teaching  
 Bachelor of Science in Chemistry/Master of Arts in Teaching  
 Bachelor of Science in Environmental Science/Master of Arts in Teaching  
 Bachelor of Science in Statistics/Master of Science in Statistics

## General Regulations

Certain regulations are common to all of the undergraduate degrees conferred by the College of Arts & Sciences. Additional regulations are listed in this catalog under "General University Regulations."

1. Minimum requirement: 124 semester hours. Some programs may exceed the minimum.
2. Residence requirement: minimum sixty semester hours. After a student achieves senior standing (90 earned credits), all upper-division courses (3000-4000 level) must be taken in residence (or in a Baylor-approved study abroad program).  
*Note: After matriculation, a student may transfer a maximum of fifteen semester hours to Baylor.*
3. Grade point average: minimum of 2.00 ("C") overall and also in the major and minor for work at Baylor. Some departments require a "C" or better in every course applying to the major or minor.
4. Course substitutions: Students who substitute an upper-level course for a lower-level requirement may not retain the upper-level credit. The exception to this policy is when a lower-level course is a specific prerequisite for the upper-level course.
5. Courses used in the basic degree requirements can also be used in requirements for either a major or a minor. However, courses cannot be used in more than one requirement in the basic requirements. Courses in the major cannot be counted for courses in other areas required by that major; however, other areas courses from the one major can apply either in additional majors or in other areas for additional majors or in a minor. See information under majors/secondary majors/minors for details on counting courses.
6. Creative Arts Experience: Students are required to attend twelve approved Creative Arts Experiences with at least two events from each of the following categories: Art, Film, Music, Theatre, and Literature/World Cultures. Students entering Baylor with 30 hours receive two event credits. Students entering Baylor with 60 hours receive six event credits.
7. Foreign language:

- a. Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, and Swahili may be used.
  - b. Students who have taken courses in Spanish, French, or German need to take the online placement test. These test scores will help advisors place students at the most appropriate level to begin their foreign language study at Baylor.
  - c. Students who have taken courses in Latin may take a placement test in the Classics Department Office, 333 Morrison Hall.
  - d. If a student has taken high school courses in a language for which a placement test is unavailable, the student should consult with the department (Modern Languages and Cultures or Classics) to determine the appropriate level at which to begin foreign language courses at Baylor.
8. Teacher Certification: Students seeking teacher certification should contact the School of Education for complete requirements.
  9. Lifetime Fitness:
    - a. It is waived for students who have reached age 25 at the time of matriculation to Baylor.
    - b. For those students with physical disabilities, an adaptive and/or academically oriented program will be provided. Students with disabilities should present to coordinators at registration a medical statement from the Baylor physician outlining the nature of their disability and recommendation for activity.
    - c. A maximum of four Lifetime Fitness courses may be counted on a degree program.
  10. Chapel: Students entering as freshmen or who transfer as freshmen or sophomores are required to attend two semesters of Chapel. Students who transfer to Baylor and are classified as juniors or seniors must attend one semester of Chapel.
  11. Major:
    - a. One required; others, if available on the same degree, may be elected from the list of majors included in the section in this catalog on undergraduate programs for each degree. See departmental sections for specific requirements.  
*Note: The policy of the College of Arts & Sciences is that any course that is cross-listed or common in multiple majors or secondary majors may be counted toward only one major or secondary major. A student seeking more than one major or secondary major must complete all credit hour requirements for each major or secondary major independent of the other major(s) and secondary major(s).*
    - Note: There is only one major which has an authorized exception to this policy – Slavic and Eastern European Studies.*
    - b. Twenty-seven hours minimum required; slightly higher for some majors.
    - c. Residence – minimum twelve hours, all advanced.
    - d. Advanced work – minimum fifteen hours.
    - e. Grade point average – a minimum of 2.00 ("C") on all courses in the major taken at Baylor. Some departments require a "C" or better in every course applying to the major.
  12. Secondary Major:
    - a. Optional; may elect one or more secondary majors. Specific requirements in departmental sections of this catalog.  
*Note: The policy of the College of Arts & Sciences is a student seeking more than one major or a secondary major must complete all credit hour requirements for each major or secondary major independent of the other major(s) and secondary major(s).*

- b. Secondary majors offered by departments in the College of Arts & Sciences have the same minimum requirements specified for the major in section 11.
13. Minor:
- Optional; may elect one or more minors. Specific requirements in departmental sections of this catalog.  
*Note: The policy of the College of Arts & Sciences is a student seeking more than one minor must complete all credit hour requirements for each minor independent of other minors.*
  - Eighteen hours minimum required; slightly higher for some minors.
  - Residence – minimum twelve hours, nine hours advanced.
  - Advanced work – minimum nine hours.
  - No more than a maximum of three hours from the major or secondary major may be applied to the minor.
  - Grade point average – a minimum of 2.00 (“C”) on all courses in the minor taken at Baylor. Some departments require a “C” or better in every course applying to the minor.
14. Certificate:
- Optional; A select group of courses focused on helping a student develop a particular skill or area of expertise.
  - Twelve hours minimum required.
  - Residence - minimum nine hours, six hours advanced.
  - Advanced work - minimum nine hours.
  - Grade point average - a minimum of 2.00 (“C”) on all courses in the certificate taken at Baylor. Some departments require a “C” or better in every course applying to the certificate or may require a higher overall GPA for the certificate.
15. Advanced work (3000-4000 level courses): minimum thirty-six semester hours.
- To be earned after junior status is attained.
  - Mathematics, physics, chemistry, biology, and language courses at the 3000-level may be taken as soon as necessary prerequisites are completed and will be considered advanced work.
  - No junior college course, regardless of content, will be considered advanced.
  - No transferred course will be considered advanced unless it was so rated by the college where taken, and unless Baylor’s equivalent course is advanced.
  - Please refer to the section on eligibility for courses in this catalog.
16. Maximum credit: Within the minimum of 124 hours required for a degree, the following maximum credits are applicable:
- four courses of Lifetime Fitness and
  - ten hours of applied music and/or ensemble.
17. All Honors Program students completing majors within the College of Arts & Sciences must select from one of the following four courses to satisfy their Literature in Context Distribution List requirement: CLA 2301 Literature of Ancient Greece, CLA 2302 Literature of Ancient Rome, CLA 2306 Greek and Roman Mythology, or GTX 2301 Intellectual Traditions of the Ancient World : Literature and Thought.

## Core Curriculum

### Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts, and Bachelor of Science in Aviation Sciences

| Code  | Title  | Hours        |
|---|--|--------------|
| <b>Requirements</b>   |  |              |
| Minimum requirement   |  | 124          |
| Residence Requirement <sup>1</sup>  |  | 60           |
| Grade point average - minimum of 2.00 (“C”) overall and in the major for work done at Baylor.   |  |              |
| <b>Basic Requirements</b>   |  | <b>47-54</b> |
| <i>Chapel</i>   |  |              |
| Complete two semesters  |  |              |
| <i>Creative Arts Experience</i>   |  |              |
| Attend twelve events <sup>2</sup>   |  |              |
| Students are required to attend 12 approved events with at least 2 events from each of the following categories: Art, Film, Music, Theatre, and Literature/World Cultures.                          |  |              |
| <i>Common Courses</i>   |  | 15           |
| ENG 2310  | American Literary Cultures   |              |
| HIS 1300  | The United States in Global Perspective  |              |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience |              |
| REL 1310  | The Christian Scriptures   |              |
| REL 1350  | The Christian Heritage   |              |
| <i>Distribution Lists</i>   |  | 32-39        |
| Communication and Media Literacy (One Course) (p. 45)   |  |              |
| Contemporary Social Issues (One Course) (p. 45)   |  |              |
| Fine Arts and Performing Arts (One Course) (p. 45)  |  |              |
| Foreign Language and Culture (Two to Four Courses) (p. 45)  |  |              |
| Formal Reasoning (One Course) (p. 46)   |  |              |
| Literature in Context (One Course) (p. 47)  |  |              |
| Research Writing (One Course) (p. 47)   |  |              |
| Scientific Method I: Course with Laboratory Experience (One Course) (p. 47)   |  |              |
| Scientific Method II: Grand Challenges of Science (One Course) (p. 47)  |  |              |
| Lifetime Fitness (One Course) (p. 46)   |  |              |
| <b>Major</b>  |  |              |
| One required; others may be elected from the list of majors for this degree included in the section in this catalog on undergraduate programs. See departmental sections for specific requirements. |  |              |
| <b>Minor</b>  |  |              |
| Optional; may elect one or more minors. Specific requirements in departmental sections of this catalog.   |  |              |
| <b>Advanced Work Minimum</b>  |  |              |
| 3000-4000 level courses   |  | 36           |
| <i>Maximum Credit</i>   |  |              |
| Within the minimum of 124 hours required for a degree, the following maximum credits are applicable:  |  |              |
| (1) four courses of Lifetime Fitness, and   |  |              |
| (2) ten hours of applied music and/or ensemble  |  |              |

<sup>1</sup> Minimum 60 hrs.

<sup>2</sup> Transfer students with 30 hours will attend 10 events; transfer students with 60 hours will attend 6 events.

<sup>3</sup> Students may be able to complete their requirements for this distribution list in as few as 6 hours if they have a higher level of language proficiency; for example, if they bring in transfer credit, have CBE credit, or had a strong high school background in a language. Students meeting any of these criteria are strongly encouraged to consult with the Department of Modern Languages and Cultures, Classics (Greek or Latin) or Religion (Hebrew) for recommendations on placement and appropriate classes.

Additional information on the requirements for advanced credit, residence, language, chapel, minimum grade point average, maximum credit, Lifetime Fitness, and majors and minors is listed under "General Regulations for the College of Arts & Sciences" and "General University Regulations."

## Core Curriculum Distribution Lists

### Communication and Media Literacy

| Code                                  | Title   | Hours |
|---------------------------------------|---|-------|
| Select one course from the following: |   |       |
| CSS 1301                              | Fundamentals of Public Communication              | 3     |
| CSS 1302                              | Speech for Business and Professional Students     | 3     |
| CSS 1304                              | Argumentation, Discussion, and Debate             | 3     |
| CSI 1337                              | Introduction to Video Game Design                 | 3     |
| FDM/JOU 1303                          | Introduction to Mass Communication                | 3     |
| FDM 4340                              | Media and Society                                 | 3     |
| JOU 2301                              | Media Literacy in a Democratic Society            | 3     |
| JOU 3387                              | International Communication                       | 3     |
| JOU 4305                              | Gender, Race & Media                              | 3     |
| JOU 4380                              | Law and Ethics of Journalism                      | 3     |
| PWR 2314                              | Introduction to Professional Writing and Rhetoric | 3     |

### Contemporary Social Issues

| Code                                  | Title                                       | Hours |
|---------------------------------------|---|-------|
| Select one course from the following: |   |       |
| ANT 1306                              | Cultural Anthropology in Global Context     | 3     |
| ANT 1325                              | Introduction to Global Health               | 3     |
| ANT/ENV 3320                          | Environment and Human Behavior              | 3     |
| ECO 1305                              | Issues in Economics for Non-Business Majors | 3     |
| ENV 2376                              | Environment and Society                     | 3     |
| ENV/PSC 4307                          | Environmental Law                           | 3     |
| ENV 4310/ANT 4311                     | World Food Problems                         | 3     |
| LING 1305                             | Language in Society                         | 3     |
| PHI 1308                              | Contemporary Moral Problems                 | 3     |
| PHI 3320                              | Philosophical Issues in Feminism            | 3     |
| PSC/ENV 3300                          | The Environment and Political Processes     | 3     |
| REL 3390                              | Christian Ethics                            | 3     |
| REL 3394                              | War and Peace in the Christian Tradition    | 3     |
| REL 3397                              | Gender, Feminism and Theology               | 3     |

|              |   |   |
|--------------|---|---|
| REL 4349     | The World's Religions and Violence          | 3 |
| REL/ENV 4393 | Environmental Ethics                        | 3 |
| SOC 1305     | Introduction to Sociology                   | 3 |
| SOC 3311     | The Sociology of Race and Ethnicity         | 3 |
| SWO 2320     | Human Diversity and Leadership              | 3 |
| WGS 2300     | Women's and Gender Studies: An Introduction | 3 |

### Fine Arts and Performing Arts

| Code                                  | Title  | Hours |
|---------------------------------------|--|-------|
| Select one course from the following: |  |       |
| ARTH 1300                             | Introduction to Art (for non-art majors only)  | 3     |
| ARTH 2302                             | Survey of Western Art I                        | 3     |
| ARTH 2303                             | Survey of Western Art II                       | 3     |
| CLA 3315                              | Ancient Drama in Performance                   | 3     |
| ENG 3304                              | Creative Writing: Poetry                       | 3     |
| ENG 3306                              | Creative Writing: Prose                        | 3     |
| FDM 1309                              | Introduction to Film                           | 3     |
| MUS 1321                              | Engaging with Music                            | 3     |
| MUS 3321                              | Music in World Cultures                        | 3     |
| MUS 3322                              | Popular Musics                                 | 3     |
| MUS 3323                              | Jazz and its History                           | 3     |
| MUS/LAS 4364                          | Traditional Music and Culture in Latin America | 3     |
| THEA 1301                             | Acting I: Realism                              | 3     |
| THEA 1306                             | Introduction to Theatre                        | 3     |

### Foreign Language and Culture

To meet this requirement, students must (1) attain an appropriate level of proficiency and (2) complete at least 6 hours in residence.

Complete **one** of the following options:

- 8 hours selected from intensive language courses in German or Spanish (both courses must be from the same language and both must be completed in residence): 1412 and 2412.
- 9 hours selected from the Foreign Language and Culture Distribution list, including the completion of at least one language through the third level of proficiency (2310 course or equivalent). Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, or Swahili may be used.
- 12 hours selected from the Foreign Language and Culture Distribution list, including the completion of two classical languages through the second level of proficiency (1302 course or equivalent). Aramaic, Hebrew, Latin, and Greek may be used.

All students must demonstrate proficiency through the 2310 level in a modern or classical language or through the 1302 level in 2 Classical Languages (Latin, Greek, Hebrew, Aramaic) or complete GER, SPA 1412 Accelerated Elementary Spanish & SPA 2412 Accelerated Intermediate Spanish.

#### Modern Foreign Languages 1301

- includes: ARB 1301, CHI 1301, FRE 1301, GER 1301, ITA 1301, JPN 1301, KOR 1301, POR 1301, RUS 1301, SPA 1301, SWA 1301

#### Modern Foreign Languages 1302

- includes: ARB 1302, CHE 1302, FRE 1302, GER 1302, ITA 1302, JPN 1302, KOR 1302, POR 1302, RUS 1302, SPA 1302, SWA 1302

**Modern Foreign Languages 1412**

- includes: GER 1412, SPA 1412

**Modern Foreign Languages 2412**

- includes: GER 2412, SPA 2412

**Modern Foreign Languages 2310**

- includes: ARB 2310, CHI 2310, FRE 2310, GER 2310, ITA 2310, GER 2310, KOR 2310, POR 2310, RUS 2310, SPA 2310, SWA 2310

**Classical Languages 1301**

- includes: GRK 1301, HEB 1301, LAT 1301

**Classical Languages 1302**

- includes: GRK 1302, HEB 1302, LAT 1302

**Classical Languages 2310**

- includes: GRK 2310, HEB 2310, LAT 2310

For those who already have credit for 2310 (pre-Baylor) or place into a higher level, the following options are available:

| Code     | Title   | Hours |
|----------|---|-------|
| ARB 2320 | Arabic Popular Culture  | 3     |
| AST 2380 | The Peoples and Culture of Asia   | 3     |
| AST 4388 | Contemporary Chinese Society and Culture                                      | 3     |
| CHI 2320 | Intermediate Chinese for Communication  | 3     |
| CHI 3305 | Chinese for Business I  | 3     |
| CHI 3306 | Chinese for Business II   | 3     |
| CHI 3310 | Chinese Language and Culture through Films                                    | 3     |
| CLA 3301 | Roman History and Civilization  | 3     |
| CLA 3302 | Greek History and Civilization  | 3     |
| CLA 3303 | Hellenistic History and Civilization  | 3     |
| CLA 3304 | Byzantine History and Civilization  | 3     |
| FAS 1311 | Freshman Academic Seminar: Modern Languages, Cultures, and Global Communities | 3     |
| FRE 1412 | Accelerated Elementary French   | 4     |
| FRE 2320 | Passport to the French-Speaking World   | 3     |
| FRE 2321 | French for Health Professions   | 3     |
| FRE 3301 | Advanced French Grammar   | 3     |
| FRE 3302 | Conversational French   | 3     |
| FRE 3308 | French and Francophone Pop Culture  | 3     |
| FRE 3310 | Introduction to French Literature   | 3     |
| FRE 3330 | Introduction to French Cinema   | 3     |
| GER 2320 | German for Modern Life  | 3     |
| GER 3301 | German Conversation and Composition   | 3     |
| GER 3341 | Introduction to German Culture: Germany in the Making                         | 3     |
| GER 3345 | Introduction to German Film: German Culture from Berlin to Hollywood          | 3     |
| GRK 2320 | Intermediate Greek Poetry   | 3     |
| HEB 2320 | Intermediate Hebrew II  | 3     |
| ITA 2320 | Pathways in Italian Culture   | 3     |
| ITA 3301 | Advanced Italian Grammar  | 3     |
| ITA 3302 | Italian Conversation, Reading, and Composition                                | 3     |
| ITA 3310 | Introduction to Italian Literature  | 3     |
| ITA 3330 | Italian Through Film  | 3     |
| JPN 2320 | Exploring Japan   | 3     |

|               |  |   |
|---------------|--|---|
| JPN 3301      | Advanced Japanese I                                | 3 |
| JPN 3302      | Japanese Culture through Reading                   | 3 |
| JPN 3305      | Japanese for the Professions                       | 3 |
| JPN 3306      | Japanese Cinema                                    | 3 |
| KOR 2320      | Intermediate Korean II                             | 3 |
| LAS 2301      | An Introduction to Latin American Studies          | 3 |
| LAT 2320      | Intermediate Latin Poetry                          | 3 |
| MES 2301      | Introduction to the Middle East                    | 3 |
| POR 2320      | Exploring the Portuguese-Speaking World            | 3 |
| RUS 2320      | Russian Culture in Context                         | 3 |
| RUS 3301      | Russian Conversation and Composition               | 3 |
| RUS 3345      | Introduction to Russian Film: Culture and Identity | 3 |
| SPA 1304      | Elementary Spanish for Heritage Speakers           | 3 |
| SPA 2304      | Intermediate Spanish for Heritage Speakers         | 3 |
| SPA 2320      | Exploring the Spanish-Speaking World               | 3 |
| SPA 2321      | Intermediate Spanish for Health Professions        | 3 |
| SPA 2322      | Spanish for Christian Ministry                     | 3 |
| SPA 2324      | Spanish for Business                               | 3 |
| SPA 3302      | Conversation and Composition                       | 3 |
| SPA 3304      | Advanced Spanish for Heritage Speakers             | 3 |
| SPA 3309      | Introduction to Spanish Linguistics                | 3 |
| SWA 2320      | Intermediate Swahili II                            | 3 |
| THEA/JPN 3352 | Japanese Theatre and Culture                       | 3 |

**Formal Reasoning**

| Code                                  | Title                   | Hours |
|---------------------------------------|-------------------------|-------|
| Select one course from the following: |                         |       |
| MTH 1301                              | Ideas in Mathematics    | 3     |
| MTH 1320                              | Precalculus Mathematics | 3     |
| MTH 1321                              | Calculus I              | 3     |
| PHI 1306                              | Logic                   | 3     |
| STA 1380                              | Elementary Statistics   | 3     |

**Lifetime Fitness and Civic Engagement**

| Code                                     | Title   | Hours |
|--|---|-------|
| Select one course from the following:    |   |       |
| Lifetime Fitness 1000 (includes all LFs) |   | 1     |
| HIS 3300                                 | Methods of Oral and Public History                | 3     |
| HIS 3301                                 | Internship in History                             | 3     |
| JOU 3366                                 | Public Relations for Non-Profit Organizations     | 3     |
| PPS 1100                                 | Introduction to Citizenship and Community Service | 1     |
| PPS 1102                                 | Community Law Enforcement                         | 1     |
| PPS 2301                                 | Leadership and Social Change                      | 3     |
| PPS 3300                                 | Citizenship, Community, and Service Learning      | 3     |
| PPS 3301                                 | Public Policy Innovation and the Common Good      | 3     |
| PPS/PSC 3302                             | Criminal Justice and Community Law Enforcement    | 3     |
| PPS/PSC 3372                             | Law, Justice and the Community                    | 3     |

|          |  |     |
|----------|--|-----|
| PPS 4310 | Philanthropy, Civil Society, & the Public Good       | 3   |
| PPS 4V98 | Advanced Study in Philanthropy and Social Innovation | 1-4 |
| PSC 3382 | Public Service Internship                            | 3   |
| PSC 3392 | Washington Internship                                | 3   |
| PWR 3300 | Technical Writing                                    | 3   |
| PSC 3698 | Bob Bullock Internship                               | 6   |
| PWR 3318 | Professional & Workplace Writing                     | 3   |
| REL 2480 | Introduction to Ministry                             | 4   |
| SIC 4V98 | Special Topics in Social Innovation                  | 1-4 |

## Literature in Context

| Code                                  | Title   | Hours |
|---------------------------------------|---|-------|
| Select one course from the following: |   |       |
| CLA 2301                              | Literature of Ancient Greece  | 3     |
| CLA 2302                              | Literature of Ancient Rome  | 3     |
| CLA 2306                              | Greek and Roman Mythology   | 3     |
| ENG 2301                              | British Literature  | 3     |
| ENG 2306                              | World Literature  | 3     |
| FRE 3312                              | Children's Literature in French   | 3     |
| FRE 3315                              | Panorama of French Theatre  | 3     |
| GTX 2301                              | Intellectual Traditions of the Ancient World : Literature and Thought   | 3     |
| GTX 2302                              | Medieval Intellectual Traditions: Literature and Thought in Context     | 3     |
| GTX/THEA 3341                         | Master Works in Drama   | 3     |
| PHI 2303                              | Philosophy in Literature  | 3     |
| REL 3301                              | Psalms and Wisdom Literature  | 3     |
| REL 3308                              | The Literature of the Pentateuch: Narrative, Poetry, Genealogy, and Law | 3     |
| SPA 3305                              | Introduction to Hispanic Literature                                     | 3     |

## Research Writing

| Code                                  | Title  | Hours |
|---------------------------------------|--|-------|
| Select one course from the following: |  |       |
| CLA 1304                              | From Ancient Rhetoric to Modern Research Writing | 3     |
| ENG 1310                              | Writing and Academic Inquiry Seminars            | 3     |
| ENV 43C2                              | Environmental Capstone                           | 3     |
| HIS 2395                              | History Workshop                                 | 3     |
| PHI 1301                              | Introductory Topics in Philosophy                | 3     |
| PHI 2305                              | Philosophy and Religion                          | 3     |
| PSC 3301                              | Scope and Methods of Political Science           | 3     |
| REL 3305                              | Interpreting the Old Testament                   | 3     |

## Scientific Method I: Course with Laboratory Experience

| Code  | Title                           | Hours |
|---|---------------------------------|-------|
| Select one 4-hour course with included lab or 3-hour lecture and matching 1-hour lab course from the following: |                                 |       |
| ANT 1404  | Introduction to Human Evolution | 4     |
| ANT 1407  | Introduction to Archaeology     | 4     |

|                     |   |   |
|---------------------|---|---|
| BIO 1305 & BIO 1105 | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            | 4 |
| BIO 1306 & BIO 1106 | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory | 4 |
| BIO 1401            | Current Issues in Human Biology   | 4 |
| BIO 1405            | Investigations of Modern Biology Concepts I   | 4 |
| BIO 1406            | Investigations of Modern Biology Concepts II  | 4 |
| CHE 1301 & CHE 1101 | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             | 4 |
| CHE 1302 & CHE 1102 | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           | 4 |
| ENV 1301 & ENV 1101 | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)    | 4 |
| ENV 1303 & ENV 1103 | Wildlife Ecology and Wildlife Ecology Laboratory Exercises                            | 4 |
| GEO 1401            | Earthquakes and Other Natural Disasters   | 4 |
| GEO 1402            | World Oceans  | 4 |
| GEO 1405            | The Dynamic Earth   | 4 |
| GEO 1410            | Gems and Minerals   | 4 |
| NSC 1306 & NSC 1106 | Introduction to Neuroscience and Introduction to Neuroscience Laboratory              | 4 |
| PHY 1404            | Light, Vision and Optics  | 4 |
| PHY 1405            | Everyday Physics  | 4 |
| PHY 1407            | Sound and Acoustics   | 4 |
| PHY 1408            | General Physics for Natural and Behavioral Sciences I                                 | 4 |
| PHY 1409            | General Physics for Natural and Behavioral Sciences II                                | 4 |
| PHY 1420            | General Physics I   | 4 |
| PHY 1430            | General Physics II  | 4 |
| PHY 1455            | Descriptive Astronomy   | 4 |
| PHY 2455            | Foundations of Astronomy  | 4 |

## Scientific Method II: Grand Challenges of Science

| Code   | Title  | Hours |
|--|--|-------|
| Select one 3 to 4-hour course from the following:                        |  |       |
| ANT 1307   | The Evolution of Human Societies: An Interdisciplinary Perspective | 3     |
| BIO 1303   | Human Ecology: Our Place in Nature                                 | 3     |
| GEO 1306   | The Earth Through Time   | 3     |
| GEO 1307   | Evolution and Extinction   | 3     |
| GEO 1309   | Origins of Habitable Worlds  | 3     |
| PHY 3305   | History of Invention and Technology                                | 3     |
| PSY 1305   | Psychological Science: Understanding Human Behavior                | 3     |
| STA/CSI 2300   | Introduction to Data Science                                       | 3     |
| Scientific Method I: Course with Laboratory Experience Distribution List |  | 3-4   |



## Scholarships and Awards

### Department of Aerospace Studies

The Chaplain, Maj Gen Gerald Marsh AFROTC Scholarship  
The Captain Larry G. Pitts Memorial Scholarship  
The Raynor L. Hebert Memorial Scholarship

### Institute for Air Sciences

Dawin Whiteside Endowed Scholarship  
John and Nancy Pearce Endowed Scholarship Fund for the Institute of Air Sciences  
Hickerson Family Endowed Scholarship in Aviation Sciences

### American Studies Program

The H.L. Carter Scholarship in American Studies  
The J.R. and Wanda LeMaster Scholarship in American Studies

### Department of Art and Art History

The Adrienne Joy Barna Memorial Scholarship  
The L. James and Alisa Andras Scholarship  
The Art Department Scholarship  
The Kate Bronstein Memorial Scholarship  
The Terry L. Brown Memorial Endowed Scholarship  
The Erica L. Cummings Scholarship in Art  
The B. and D. Dodson Scholarship  
The Patricia A. Johnston Scholarship in Art  
The C.C. and Helen Reid Scholarship in Art  
The Katherine L. Reid Scholarship  
The Simmons-Friends of Fine Arts Scholarship  
The Paige Russell Senter Scholarship  
The Alfred V., III and Melinda J. Springer Scholarship  
The Karl and Shirley Umlauf Endowed Scholarship in Visual Arts  
Visual Arts Scholarship

### Department of Biology

Beta Beta Beta Endowed Scholarship Fund  
The Dr. and Mrs. Ernest C. Butler Freshman Biology Scholarship  
The Kenny Cameron Memorial Endowed Scholarship Fund  
The Eugene Crowder Memorial Scholarship in Biology  
The David W. Eldridge Endowed Scholarship  
The Frederick R. Gehlbach Endowed Scholarship  
The Jack G. and Norma J. Folmar Research and Scholarship Fund  
The Limnology/Aquatic Ecology Scholarship  
The Garnett Dodson Phillips and Dennis C. Phillips Endowed Scholarship Fund  
The Cornelia M. Smith Scholarship  
The F. Ray Wilson Endowed Scholarship  
The Dr. James L. and Margaret E. Young Endowed Scholarship Fund

### Department of Chemistry and Biochemistry

The Chemistry and Biochemistry Department Scholarship  
Sadie Jo Black Medical Research Scholarship  
The Dr. Thomas J. Bond, Sr., Scholarship in Chemistry or Biochemistry  
The Cory R. Case Scholarship in Chemistry and Biochemistry  
The B. Reid Clanton Scholarship in Chemistry, Biochemistry, or Pre-Med<sup>1</sup>  
The Alfred D. Denton Memorial Endowed Fund in Chemistry  
The Malcolm Dole Undergraduate Research Scholarship in Chemistry or Biochemistry  
The Butler Freshman Chemistry or Biochemistry Scholarship  
The Kyle & Karen Fulton Family Endowed Scholarship Fund in Chemistry & Biochemistry

The Dr. Robert E. Graves Chemistry Scholarship  
The Pearl Kirk Scholarship for Premedical Chemistry or Biochemistry  
The Dr. W.O. Milligan Scholarship in Chemistry  
The Nancy Tiner Chemistry Scholarship in Chemistry or Biochemistry  
The Virgil L. Tweedie Family Scholarship in Chemistry or Biochemistry  
The Dorothy Jones White Memorial Scholarship for Women in Chemistry and Biochemistry

### Department of Classics

Anonymous Classics Memorial Scholarship  
E.L. Fisher Endowed Scholarship Fund  
The Amy Elizabeth Cariello Scholarship  
The Tommye Lou Davis Scholarship  
The Downer Memorial Scholarship in Classics  
The Hanchey Family Classics Scholarship

### Department of Communication

The Chloe Armstrong Memorial Scholarship in Communication Studies  
The Glenn R. Capp Scholarship in Forensics  
The Glenn R. Capp Debate Scholarship  
The William English Debate Scholarship  
The Kyle Lake Memorial Endowed Scholarship  
The W.R. and Edna White Scholarship in Speech  
The Kyle M. Yates, Sr., Speech Scholarship

### Department of Computer Science

The Mark and Carol Measures Scholarship in Computer Science  
The Dr. and Mrs. James Nolen Scholarship in Computer Science

### Department of English

The Mary M. Beasley Memorial Scholarship in English  
The Mary M. Beasley Memorial Scholarship in Education  
The Robert H. Cooley and Carolyn Lindley Cooley Scholarship in English  
The Roy Cornelius Memorial Award  
The Martha Emmons Scholarship  
The Aileen Griffin Scholarship in English  
The Edna Haney English Scholarship  
The Lou and Mabel Hatter Scholarship in English  
The John Howard Family Scholarship in English  
The John K. Kerr Outstanding English Major Award  
The Lois Murray Scholarship in Browning Studies  
The James and Carol Parker Scholarship  
The Mr. and Mrs. Job C. Rodgers Memorial Scholarship in English  
The Dorothy Scarborough Fiction Award  
The Charles G. Smith-Athenean Scholarship  
The Charles G. and Cornelia M. Smith Scholarship  
The Loyd L. and Lee M. Turner Scholarship in English  
The Dianna Vitanza Scholarship in English  
The Dr. Linda K. Walker Scholarship in English  
The R.A. and Sadye G. Wilson Scholarship in English

### Department of Environmental Science

The W. Merle and Mary K. Alexander Endowed Research Scholarship Fund  
The Susan P. Bratton Undergraduate Research Award in Environmental Science Endowed Fund  
The Catherine Ross Bolton Memorial Endowed Scholarship Fund  
The Diedra and Ward Flora Endowed Scholarship Fund  
The Galen Edward Green, Ph.D. Endowed Scholarship Fund  
The C. Gus Glasscock, Jr. Endowed Fund for Excellence in Environmental Studies

The Glasscock Energy Research Endowed Scholarship Fund  
 The Glasscock Restricted Scholarship Fund  
 The Elizabeth L. and Russell F. Hallberg Endowed Scholarship in Journalism and Environmental Studies<sup>1</sup>  
 The Tony and Donna Robert Endowed Scholarship Fund  
 The C.M. Trautschold Millwork Company Endowed Fund  
 The Clara Yates Wieland Environmental Studies Scholarship  
 The Dr. Joe C. Yelderman Scholarship in Environmental Studies

## Department of Film and Digital Media

Glenn Austin Johnston Film and Digital Media Endowed Scholarship  
 The Jesse Pearson Memorial Film Endowed Scholarship  
 The Dr. Kathryn Stepp Tinius Endowed Scholarship Fund  
 Plitt Theaters Employees Scholarship  
 Robert M. and Joyce A. Johnston Scholarship  
 Stephen Edward Green Endowed Scholarship  
 The Gregory W. Mangum Endowed Scholarship Fund

## Department of Geosciences

The Elan Allen Field Safety Scholarship  
 Dr. James W. Dixon, Jr. Undergraduate Field Assistant Award  
 The Family Geo Undergrad Scholarship Fund  
 Hammer-Chisel Endowed Fund  
 The O.T. Hayward Field Studies Research Fund  
 The Charles Richard Hazelwood Scholarship in Geology  
 The Robert and Michelle Hobbs Scholarship  
 The L.W. Littlejohn Central Texas Field Studies Fund  
 The James and Lisa Meyerhoff Scholarship  
 The Glen Oskin Scholarship  
 The Lula H. Pace Memorial Scholarship in Geology  
 The Skaar Family Endowed Scholarship Fund  
 The Lloyd and Carol Warner Scholarship  
 The Wendlandt Assistantships in Geology

## Department of History

The Lavonia Jenkins Barnes Endowed Scholarship Fund  
 Jenice and Crawford Long Endowed Scholarship Fund in History  
 Roe and Jessie Betterton Endowed Scholarship Fund in History  
 The Kevin Hal Reynolds Scholarship Fund  
 The Gene and Mary Richardson Endowed Scholarship Fund in Honor of Dr. James and Elizabeth Vardaman  
 The John M. Roberts Scholarship Fund  
 The George Michael Stuart Scholarship in History  
 The James W. Vardaman Scholarship in History  
 The Guittard-Verlander-Voegtte Endowed Scholarship Fund in History

## Department of Journalism, Public Relations and New Media

The Journalism Department Scholarship  
 The Adrienne Joy Barna Memorial Endowed Scholarship  
 The Frank E. Burkhalter Scholarship in Journalism  
 The Mr. and Mrs. Carmage Walls Scholarship in Journalism  
 The David A. Cheavens Memorial Scholarship in Journalism  
 The E.S. Fentress Memorial Scholarship in Journalism  
 The Wilson Fielder, Jr., Memorial Scholarship in Journalism  
 The Willie S. Foster Memorial Scholarship in Journalism  
 The Patrick Frey and Katherine Frost Endowed Scholarship Fund  
 The Elizabeth L. and Russell F. Hallberg Endowed Scholarship in Journalism and Environmental Studies<sup>1</sup>  
 The Charles D. Johnson Scholarship in Journalism  
 The Sue Mayborn Endowed Scholarship in Journalism

The David McHam Scholarship in Journalism  
 The Hope Ridings Miller Endowed Scholarship in Journalism  
 The William M. Moore and Joanne Moore Scholarship  
 The Harry and Frances Provence Scholarship in Journalism  
 The Al Quinn Scholarship in Journalism  
 The Dr. Sara J. Stone Endowed Scholarship Fund in Journalism  
 The Taylor Publishing Scholarship  
 The Adrian Vaughan Scholarship in Journalism  
 The Tommy West Scholarship  
 The Sam Wood Scholarship in Journalism  
 William Cline Scholarship  
 Balfour Publishing Yearbook Editor Scholarship  
 Hallberg Scholarship  
 Moody-Ramirez Belden Diversity Scholarship

## Department of Mathematics

The Earl N. and Maxine Bodine Scholarship in Mathematics  
 The Professor Albert Boggess Mathematics Scholarship Fund  
 The Brian Family Endowed Scholarship in Mathematics  
 The K.L. and Vivian Carter Scholarship in Mathematics  
 The Jim and Pat Hickey Endowed Scholarship Fund in Mathematics  
 Randy & Cathey Hall Endowed Scholarship Fund in Mathematics and Physics  
 The Jerry Johnson Scholarship in Mathematics  
 The John C. Lattimore Scholarship in Mathematics  
 The Roy Donald Perry Memorial Endowed Scholarship Fund  
 The Robert and Veronica K. Piziak Endowment Fund  
 The Howard and Anita Rolf Endowed Mathematics Scholarship Fund  
 The Ruth and Gene Royer Math Scholarship Fund  
 The Schultz-Werba Mathematics Scholarship Fund  
 Beth Wilson Memorial Endowed Scholarship

## Medical Humanities

DeBaKey Medical Foundation Endowed Scholarship Fund

## Department of Military Science

The US Army National ROTC Scholarship  
 The US Army Campus-Based ROTC Scholarship at Baylor University  
 The Association of the United States Army Scholarship  
 The Army Emergency Relief Scholarship  
 The Military Officer Association of America Scholarship  
 The Defense Commissary Activity - Scholarships for Military Children  
 The Warren E. Myers Memorial Endowment Scholarship Fund  
 Minute Man Army Reserve/National Guard Scholarship Guaranteed Reserve Force Duty Scholarship  
 The Army Green to Gold Scholarship  
 The Army Nursing Program Scholarship

## Department of Modern Languages and Cultures

### Area Studies

The Ron and Donna Donigan Endowed Scholarship for Study Abroad

### French

The Jean F. Breustedt Memorial Scholarship in French

### German

The Abercrombie Family Scholarship  
 The Delta Phi Alpha Scholarship  
 The Jochem and Chris Burckhardt Scholarship  
 The Joseph E. Hawkins Memorial German Award  
 The Mr. and Mrs. E.A. Wendlandt Scholarship in German

## Russian

The Frauke A. Harvey Scholarship in Russian  
Dr. and Mrs. OP Constantine Scholarship

## Spanish

The Florence A. Davis Memorial Scholarship in Spanish  
The Andres Sendón Memorial Scholarship in Spanish  
The E.H. Sparkman Memorial Scholarship in Spanish  
The Lasse T. Tiihonen Scholarship

## Department of Museum Studies

The Museum Studies Scholarship  
The T. Lindsay and Julie Philips Baker Endowment for Museum Studies Internships Fund  
The Calvin and Sylvia Smith Endowed Scholarship/Strecker Museum

## Department of Philosophy

Dr. J.E. Jackson Endowed Scholarship in Philosophy  
Doris Scott Scholarship

## Department of Physics

The Randy and Cathey Hall Endowed Scholarship Fund in Mathematics and Physics  
The Hays Phillips Family Endowed Scholarship Fund in Physics  
The Shim C. and Theresa Y. Park Physics Scholarship Fund  
The Cy Lynch Physics Scholarship  
The Physics Department Scholarship  
The Herbert D. Schwetman Scholarship in Physics  
The Roy W. Stiegler, Jr., Physics Scholarship  
The Gordon K. Teal Scholarship in Physics

## Department of Political Science

The Joseph C. Keitt Memorial Scholarship in Political Science  
The Carlos Yi Lam Scholarship in Political Science  
The Robert T. Miller Endowed Scholarship  
Heather Leann Dunnam Scholarship  
Bob Bullock Scholarship  
Poage-Mayborn Seminar/Internship  
Lyle Brown Scholarship

## Office of Prehealth

The Dr. William P. Ball Scholarship in Pre-Med  
The Baylor University-Baylor College of Medicine Endowed Scholarship  
The Baylor University Doctors Premedical and Predental Endowed Scholarship Fund  
The B. Reid Clanton Scholarship in Chemistry or Pre-Med<sup>1</sup>  
The Matthew Clark Memorial Scholarship Fund  
The William F. and Thelma Cooper Scholarship Fund  
The Coker, Cox Academic Scholarship in Pre-Med  
The P.S. Darwin Scholarship in Pre-Med  
The Mary Freeman Dent Pre-Med Scholarship Fund  
The David C. Ginn, M.D., Endowed Scholarship Fund  
The Dr. W.T. Gooch Scholarship in Pre-Med  
The Glenn Douglas Green Scholarship  
The Dr. Oliver I. Halbert Scholarship in Pre-Med  
William Hillis Scholars in Biomedical Science Fund  
The Donald Kaiser Scholarship in Pre-Med  
The Rhonda Elaine Hardwick Lambert Pre-Med Scholarship  
The Anna R. Marr Scholarship in Pre-Med  
The McLennan County Medical Society One Hundred and Fifty Year Anniversary Endowed Scholarship Fund  
The Thomas Albert Michaels Endowed Memorial Pre-Med Scholarship

The Michael O'Neal Memorial Scholarship in Pre-Med  
The Buford and Marjorie M. Parrish and Karen M. Schafer Endowed Pre-Med Scholarship  
Pinkoson Family Premedical Endowed Scholarship Fund  
The Scott Ratcliff Memorial Scholarship in Pre-Med  
The Reverend Irl and Pearl Richardson Scholarship in Pre-Med  
The Donald G. Rochelle Scholarship in Pre-Med  
The Dr. Thomas J. Rosenbaum Scholarship Fund  
The Charles C. Shotts Scholarship in Pre-Med  
The Cornelia M. Smith Scholarship in Pre-Med  
The William H. and Shirley W. Somers Family Endowed Premedical Scholarship Fund  
The Dr. Robert Sparkman AED Pre-Medical Scholarship  
The Dr. M. and M. Stephens Scholarship in Pre-Med  
The Dr. William Edgar Tatum Scholarship in Pre-Med  
The Professor Virgil and Helen H. Tweedie Academic Scholarship in Pre-Med or Pre-Dent  
The L.M. Winford Scholarship in Pre-Med  
The Rungta Scholarship  
William and Argye Hillis Scholarship in Pre-Med or Pre-Dent  
Vance LeCrone Scholarship in Pre-Dent  
Daniel Emory Hampton, M.D. Scholarship  
George and Sara McClelland Scholarship  
Gibson Family Pre-Med Scholarship  
William E. Mendoza Pre-Med Scholarship  
Go Ye Therefore Scholarship in Pre-Health  
Mark E. Holton, DO, Pre-Med Scholarship

## Department of Psychology and Neuroscience

The Dr. L. Joseph Achor Endowed Scholarship  
The Jim H. Patton Scholarship in Neuroscience  
The Hebl-Cherry Endowed Fund in Psychology and Neuroscience  
The Dr. and Mrs. E.O. Wood Memorial Scholarship in Psychology

## Department of Religion

The August Becker Memorial Scholarship in Religion  
The Ray and Shirley Caldwell Ministerial Scholarship  
The Eloise and James Baker Cauthen Scholarship  
The Chastain-Birdwell Foundation Scholarship in Religion  
The Church-Related Studies Scholarship  
The Mr. and Mrs. Robert Creech Endowed Scholarship in Religion  
The L.W. Crouch Memorial Scholarship in Religion  
The Tom and Katie Cuneo Scholarship in Religion  
The Dora E. Cunningham Trust in Religion  
The Ron and V.B. Durham Scholarship in Religion  
The William T. and Dorothy Edgar Ministerial Scholarship  
The Reverend Robert Lewis Gilbert Endowed Ministry Scholarship  
The C.E. Gillenwaters Memorial Ministerial Scholarship  
The L. and A. Griffith Memorial Ministerial Scholarship  
The Gene Hallmark Endowed Ministry Scholarship Fund  
The Jackie L. Hamlett Memorial Scholarship in Religion  
The Hanson Family Ministerial Scholarship  
The Hans S. Hanson Ministerial Scholarship  
The Harris Ministerial Scholarship  
The Dow H. Heard, Sr., Memorial Scholarship  
The Sybil and R.T. Higginbotham Ministerial Scholarship  
The Louise and Avis Hodges Ministerial Scholarship  
The W.F. Howard Scholarship for Ministry Students  
The Raymond O. and Allene Breech Hubler Endowed Scholarship Fund  
The Italian Baptist Ministerial Scholarship  
The Homer and Mary Jackson Scholarship  
The Weldon R. Jones Academic Scholarship in Religion

The Sallie Speight Kendall Scholarship  
 Vernon and Rose Kuester Memorial Endowed Scholarship Fund  
 The Mathis–Crouch Scholarship in Church Vocations  
 The Mayfield Family Ministerial Scholarship  
 The McAdams Foundation Ministerial Scholarship  
 The Charles H. and Eunice K. McDougale Endowed Ministry Scholarship  
 The William George and Flora M. McElroy Scholarship in Religion  
 The McGhee Memorial Scholarship in Religion  
 The Sibyl T. McGehee Memorial Ministerial Scholarship  
 The J.M. McKellar Scholarship in Religion  
 The Wallace D. McLachlan Memorial Scholarship in Religion  
 The Ruth and Lawrance McMillan Memorial Scholarship in Ministry, Music Ministry, Music, or Other Church-Related Vocations  
 The Ministerial Student Scholarship in Religion  
 The Ministerial Student Scholarship  
 The James and Gertrude Mixson Scholarship in Religion  
 The Homer and Lucy Northern Scholarship in Religion  
 The David Z. and Susan L. Nowell Endowed Ministerial Scholarship  
 The Randy H. Parks Ministerial Scholarship  
 The Rowena Spessard Peterson Ministerial Scholarship  
 The Loyd F. Phillips Trust in Religion  
 The Gordon Rountree Academic Scholarship in Religion  
 The Reverend R.E. Smith Scholarship in Religion  
 The Spring Street Church Ministerial Scholarship  
 The Albert J. and Susan S. Steele Memorial Scholarship in Religion  
 The Tyron Memorial Scholarship by Mr. and Mrs. R. B. Thacker  
 The Marshall B. Thompson Scholarship in Religion  
 The Broadus Tidwell Memorial Scholarship in Religion  
 The George and Barbara Tomsco Scholarship in Religion  
 The A.A. Torrance Memorial Scholarship in Religion  
 The Albert T. Turpin Memorial Scholarship in Religion  
 The Watt Baptist Church Memorial Ministerial Scholarship  
 The B.J. and Mamie Wilson Ministerial Scholarship  
 The T.C. and Ronnie R. Worley Ministerial Scholarship  
 The Kyle and Margaret Yates Scholarship  
 The David and Lu Yarbrough Scholarship in Religion  
 The George C. and Sadie Rose Scott Theology Scholarship Fund

## Department of Sociology

The Sociology Department Scholarship  
 The Charles M. and Jean Furr Tolbert Scholarship in Sociology

## Department of Theatre Arts

The Baylor Theatre-Drama Scholarship  
 The Baylor University Theatre Arts Scholarship Fund  
 The Baylor University Theatre Student Society Endowed Scholarship  
 Ruth M. Belew Endowed Scholarship in Theatre Arts  
 The Dottie Williams Box Endowed Scholarship  
 The Margaret C. B. and S. Spencer N. Brown Foundation Endowed Scholarship  
 The Bill G. Cook Endowed Scholarship  
 The Patricia W. Cook Endowed Scholarship  
 The Stan and Lisa Denman Endowed Scholarship in Theatre Arts  
 The Michael and Wendy Jenkins Endowed Scholarship  
 Leta Horan and Jerry McLaughlin Scholarship Funds in Musical Theatre  
 The Katherine Day Huskerson Memorial Endowed Scholarship  
 The Ralph and Ruth McCullough Theatre Arts Scholarship  
 The Neely Family-AV Pro Endowed Scholarship  
 Robert Wayne Ousley Endowed Scholarship Fund in Theatre Arts  
 The Jack Seeley Endowed Scholarship  
 The Simmons-Friends of Fine Arts Scholarship in Theatre Arts  
 The Bill and Ann Stokes Endowed Scholarship Fund in Theatre Arts

The James W. Swain Endowed Scholarship  
 Dr. William F. and Julia A. Thomas Family Endowed Scholarship Fund in Theatre Arts  
 The Judy Locy Wright-Patricia Cook and Bill Cook Endowed Theatre Scholarship  
 The Ramsey Yelvington Endowed Scholarship

## Miscellaneous

The Hoyt T. Andres Family Endowed Scholarship  
 The College of Arts & Sciences Scholarship  
 The B. Baker, Jr., Endowed Scholarship Fund  
 The Dr. Robert R. Debes, Dolly, Ann, and Bobby Endowed Scholarship  
 The Bessie and Dudley Dodson Memorial Academic Scholarship  
 The J.W. and Grace Fitzwater Memorial Scholarship  
 The Glennis McCrary Goodrich International Scholarships  
 The Dr. Aurelia Brooks Harlan Endowed Humanities Scholarship  
 The Samuel and Louise Hooser Memorial Scholarship  
 The Katherine Day (Kitty) Huskerson Memorial Endowed Scholarship  
 The Dr. Jerry Edward Jackson Memorial Scholarship  
 The Roland K. and Cynthia T. Johnson Endowment Fund  
 The Earl and Omie Snider Keating Endowed Scholarship  
 The Irene Marschall King Scholarship  
 The Ronald G. and Joan A. Matthews Endowed Scholarship  
 The Helen Louise McCullough Endowed Scholarship  
 The Lois Harper McGee Memorial Scholarship  
 The Dwight Joseph Milfeld, Jr., Memorial Endowed Scholarship  
 The Neill Morris Memorial Endowed Scholarship  
 The Blanche Nelson Scholarship Fund  
 The Drs. Thomas F. and Jan Evans Patterson Endowed Academic Scholarship  
 The Plitt Southern Theatres Inc. Employees Scholarship  
 The C.C. and Helen Reid Memorial Scholarship  
 The Henry L. Robinson Phi Beta Kappa Scholarship  
 The Andrew and Amy Schoening Endowed Scholarship Fund  
 The Dr. Carl E. Schow, Jr., Endowed Academic Scholarship  
 The Richard E. Schroeder Scholarship  
 The Gay Y. Sparr Endowed Student Foundation Scholarship Fund  
 The Virginia Sugg Furrow Scholarship  
 The Myrl A. Taliaferro Scholarship  
 The Basil H. and Lucille Noe Thomson Scholarship  
 The Mrs. Jimmie Thurmond, Sr., Academic Scholarship  
 The Dean and Mrs. William G. Toland Scholarship  
 The A.M. and Mary Wortham Woodward Memorial Scholarship

In addition to the scholarships listed above, students are eligible to apply for unrestricted scholarships available at Baylor University. Applications for all academic scholarships may be obtained in the Student Financial Aid Office. The list of societies below is not a complete list. Students should check with academic departments for additional societies.

<sup>1</sup> The scholarship also is listed under another department.

## Honor Societies

### Alpha Epsilon Delta

Alpha Epsilon Delta (AED) is a national premedical and predental honor society. AED encourages scholarship and service among its members and provides a broad range of services and activities to the larger premedical and predental community. Chartered in 1929, Baylor's chapter, Texas Beta, entered the society in its third year of existence. Members are



required to achieve and maintain a 3.5 cumulative GPA and a 3.5 science GPA (biology, chemistry, physics, and mathematics.)

### Alpha Kappa Delta

Alpha Kappa Delta is a national honor society for sociology majors. Its purpose is threefold: to recognize scholarship; to provide a forum for sociological discussion, and to stimulate sociological research. Membership is open to sociology majors who have completed twelve hours of sociology with a GPA of 3.0 or higher and who have a cumulative GPA of 3.0 or higher.

### Alpha Lambda Delta

Alpha Lambda Delta was founded in 1924 by the Dean of Women, Maria Leonard, at the University of Illinois to recognize academic excellence among freshmen women. One year before, Dean Thomas Arkle Clark had founded Phi Eta Sigma, an honor society to recognize academic excellence among freshmen men. Both groups operated as single-sex organizations until the mid-70s when they both became coeducational in response to Title IX. Today, Alpha Lambda Delta has chapters at 270 campuses in the United States. Members are invited to join the local chapters after the chapter has determined that the student has achieved a 3.5 or higher GPA in their first year or term of enrollment in an institution of higher education. The members of the local chapters are also considered to be members of the national organizations.

### Beta Beta Beta

Beta Beta Beta is the national honor society for the students of the biological sciences. Its activities are designed to stimulate interest, scholarly attainment, and investigation in the biological sciences and to promote the dissemination of information and new interpretations among the students of the life sciences.

### Chemistry Honor Society

Chemistry Honor Society is an honorary society for chemistry and biochemistry majors. Started in 2012, it encourages academic excellence in the chemical field. Membership is limited to juniors and seniors with an overall GPA of 3.65 or higher.

### Delta Phi Alpha

Delta Phi Alpha is the national German Honorary Society originally founded at Wofford College in 1927. Baylor's Iota Omicron chapter was installed on March 10, 1983, and is open to advanced German students who have completed a course at the "3000" or "4000" level and have a cumulative GPA of at least 3.0, and a German GPA of at least 3.5.

### Eta Sigma Phi

Eta Sigma Phi is the national honorary collegiate society founded in 1914 at the University of Chicago for students of Latin or Greek. Baylor's Gamma Omega Chapter of this national classical fraternity gained its charter in 1960.

### Kappa Tau Alpha

Kappa Tau Alpha is the national honor society for journalism and communications. Eligibility is limited to upperclassmen, graduate students, and faculty members. Undergraduate members must achieve and maintain a GPA of at least 3.0 in their journalism and communications courses and rank among the top ten percent of their department class according to their cumulative GPA at Baylor.

### Lambda Alpha

Lambda Alpha, the national honor society for students of anthropology, was chartered in 1968 and has 249 chapters. Baylor's chapter, Kappa of Texas, was started in 2007. Anthropology students with 12 hours completed in the major and a GPA of 3.0 are invited to join. Members may submit articles for a national student journal and may apply for a competitive scholarship.

### Lambda Pi Eta

Lambda Pi Eta is the National Communication Association's honor society for communication majors and minors. The purpose of the communication honor society is to recognize, foster, and reward outstanding scholastic achievement in communication studies; to stimulate interest in the field of communication; to promote and encourage professional development among communication majors; to provide an opportunity to discuss and exchange ideas in the field of communication; to establish and maintain closer relationships and mutual understanding between communication faculty and students, and to explore options for graduate education in communication. Membership requirements: complete sixty semester credit hours in undergraduate credit courses with a cumulative undergraduate grade point average of at least 3.0; complete twelve semester hours in communication courses with a minimum grade point average of 3.25; and be currently enrolled as a full-time student in good standing with both the department and the university.

### Möbius

Möbius is a mathematics society that seeks to provide undergraduate students across a variety of disciplines opportunities to participate in undergraduate mathematics research, attend mathematics lectures and discussions, socialize with mathematics faculty at the university, and meet mathematicians from across the world. Möbius encourages students of all disciplines to join, though students that have declared mathematics as their major are especially encouraged to participate.

### Nu Rho Psi

Nu Rho Psi is the national honor society for neuroscience. Among the aims of Nu Rho Psi, the society seeks to encourage professional interest and excellence in scholarship, recognize exceptional work among students, and encourage collaborative exchanges between neuroscience students, faculty, and professionals. Neuroscience or pre-neuroscience students must complete a minimum of forty-five credit hours and nine credit hours in neuroscience or a related field to join (e.g. biology, chemistry, mathematics, physics, psychology, or statistics). Students must also achieve a 3.0 GPA or higher in NSC 1306 Introduction to Neuroscience and NSC 1106 Introduction to Neuroscience Laboratory, a 3.5 or higher cumulative GPA in neuroscience courses, and a 3.2 cumulative GPA overall to be eligible to join. Only courses completed at Baylor will be considered.

### Phi Alpha Theta

Phi Alpha Theta is the national honor society in history. The society was established by Dr. Nels Cleven at the University of Arkansas in 1921 to promote excellence in research, publications, and teaching among historians and to facilitate an ongoing intellectual and social exchange among history students and faculty. Students who have completed twelve or more credit hours in history, with a 3.3 GPA in history and a 3.0 cumulative GPA, are eligible for membership.



## Phi Beta Kappa

Phi Beta Kappa, founded in 1776 at the College of William and Mary, is the nation's oldest and most prestigious scholastic honor society. Currently, there are 255 chapters. Baylor's chapter, Zeta of Texas, was chartered in 1976 and is one of ten chapters in Texas. Zeta Texas sponsors the Roy B. Albaugh Lectureship and awards the Henry L. Robinson scholarship each year, in addition to sponsoring campus visits by a number of prominent scholars and lecturers. Membership is by election and initiation; graduating seniors and Ph.D. candidates in the College of Arts & Sciences are automatically considered for membership each year. Students must have completed a liberal arts or science undergraduate degree program, courses in mathematics and a foreign language, and have a top five-percent final cumulative GPA. Students must exhibit broad cultural interests and good character.

## Phi Sigma Tau

Phi Sigma Tau is the national honor society for philosophy. It aims to generate activity among students and to establish and deepen ties between philosophy departments at affiliated institutions. Students who meet the requirements outlined by the Association of College Honor Societies, of which Phi Sigma Tau is a member organization, are eligible for membership.

## Pi Delta Phi

Pi Delta Phi, a member of the Association of College Honor Societies since 1967, is the French National Honor Society for undergraduate and graduate students. It is the oldest academic honor society for a modern foreign language in the United States and was originally founded as a departmental honor society at the University of California, Berkeley in 1906. Baylor's Delta Nu chapter was installed in 1965 and is open to advanced French students who have a cumulative GPA of at least 3.0, and a French GPA of at least 3.5.

## Pi Mu Epsilon

Pi Mu Epsilon is a national honor society for mathematics, established in 1913 by Dr. Edward Drake Roe, Jr. at Syracuse University. Baylor's chapter, Texas Xi, was chartered in 1988. Pi Mu Epsilon aims to encourage and support scholarly activity and thought in the field of mathematics. Undergraduate students pursuing a degree in mathematics who have at least two courses in calculus (or the equivalent) and two additional courses in mathematics, with at least a 3.0 cumulative GPA and a 3.0 GPA in mathematics courses, are eligible for membership.

## Pi Sigma Alpha

Pi Sigma Alpha is a national honor society for political science founded at the University of Texas in 1920. Baylor's chapter, Gamma Eta, was chartered in 1955. All majors are eligible for membership. Undergraduate students must complete at least half of the required credit hours for their chosen degree and maintain a top third cumulative GPA; ten credit hours in political science, with one 3000-4000 level course; and a 3.0 GPA for these courses to be eligible for membership. Undergraduate coursework does not affect graduate eligibility; graduate students must be pursuing a degree in political science and are eligible for membership after the completion of nine credit hours. To be eligible for membership, graduate students must achieve and maintain at least a 3.0 GPA in all courses.

## Psi Chi

Psi Chi is a national honor society in psychology that seeks to encourage, stimulate, and maintain scholarship of the individual members in all fields, particularly in psychology, and to advance the science of psychology. The programs are designed to augment and enhance

the regular curriculum, utilize the talents of the members, and afford interaction with fellow members, faculty, and other psychologists. Psi Chi sponsors conventions with the regional psychological associations. Members are given the opportunity to present their research papers at these conventions and receive the Psi Chi certificate of recognition for excellence in research. Students must be a Psychology major and have completed nine semester hours in psychology or neuroscience, have a cumulative GPA of at least 3.4, and a GPA of at least 3.0 in all psychology and neuroscience courses.

## Sigma Delta Pi

Sigma Delta Pi is a national Spanish honorary society to which outstanding students in advanced Spanish courses may be elected. Students must have completed a course in Hispanic literature at the "3000" or "4000" level, have a cumulative GPA of at least 3.0, and a 3.5 GPA in Spanish courses.

## Sigma Gamma Epsilon

Sigma Gamma Epsilon is the national geology honorary society. It is affiliated with the Geological Society of America. Baylor's chapter, Zeta Pi, strives to promote scholarship by recognizing promising geology and earth science students. Sigma Gamma Epsilon assists the Baylor Geological Society with field trips, offers tutoring, and provides various other services to the department. Students of geology and earth science who have completed ten credit hours in geology and earth science, have maintained a 3.0 GPA in these courses, and a 2.7 cumulative GPA are eligible to join.

## Sigma Iota Rho

Sigma Iota Rho is an honor society for international studies. Juniors and seniors who have completed at least twenty-one credit hours toward an international relations major or minor, including at least two 3000-4000 level courses; who have maintained a 3.4 GPA in international relations courses; and a 3.3 cumulative GPA are eligible to join. Students enrolled in International Studies, Asian Studies, Latin American Studies, and Slavic and Eastern European Studies are eligible to join Baylor's chapter.

## Sigma Pi Sigma

Sigma Pi Sigma is a physics honor society, founded at Davidson College in 1921. The Baylor chapter was installed in 1959. Sigma Pi Sigma operates alongside the national Society of Physics Students (SPS); students are elected to Sigma Pi Sigma from within the society on the basis of outstanding academic achievement. The purpose of the society is both to recognize scholarship and to advance knowledge of and interest in physics. Invitation for membership in the society is extended to qualified individuals who have completed at least sixteen credit hours of physics.

## Sigma Tau Delta

Sigma Tau Delta is an international English honor society with more than 300 chapters in the United States and abroad. The Lambda Alpha chapter at Baylor, chartered in 1925, is concerned with promoting academic growth and developing friendships with other students who have a specific interest in English. The requirements for membership include a GPA of 3.0 overall and a GPA of 3.3 in English plus the completion of two English courses beyond the freshman level. Applicants submit a writing sample.

## Tau Sigma

Tau Sigma is an honor society designed to recognize and promote excellence among and the involvement of transfer students. To be eligible

students must transfer to Baylor with at least one year of transferrable credit hours from their prior institution and must complete one full term of study at Baylor, achieving and maintaining a 3.5 cumulative GPA.

## Theta Alpha Kappa

Theta Alpha Kappa (TAK) is the honor society for religious studies and theology. TAK seeks to recognize and encourage excellence in research, learning, teaching, and publishing in religious studies and theology. Further, TAK seeks to encourage collaborative exchange between religious studies and theology faculty and students. To be eligible, students must have completed three full terms at Baylor, with a minimum of twelve credit hours in religious studies or theology, have attained a 3.5 GPA or higher in those courses, and a 3.0 cumulative GPA.

## Upsilon Pi Epsilon

Upsilon Pi Epsilon is an honor society for computer science, promoting high scholarship and original investigations in the various branches of computer science. To be eligible, students must pursue a degree in computer science or a related discipline, complete forty-five credit hours toward their degree program, and at least fifteen credit hours in the computer sciences, achieve and maintain a 3.0 cumulative GPA, and hold an academic ranking in the top thirty-five percent of their class. The Baylor chapter inducts members twice each year.

## Professional Organizations

### Aim Higher

Aim Higher is a student fundraising organization supporting the Aerospace Studies department. Currently-enrolled cadets in the Air Force ROTC program are members of the organization.

### American Association of Petroleum Geologists – Student Chapter

The student chapter of the AAPG is for student geologists interested in the petroleum industry.

### American Chemical Society – Student Affiliate Chapter

This organization is open to all students interested in chemistry and biochemistry. Its purposes are to promote the chemistry and biochemistry programs of Baylor University, to further the awareness of chemistry and biochemistry, and to provide encouragement and fellowship to chemistry and biochemistry students.

### American Mathematical Society (AMS)

The American Mathematical Society is an association of professional mathematicians dedicated to the interests of mathematical research and scholarship and serves the national and international community through its publications, meetings, advocacy, and other programs.

### American Psychological Association (APA)

The APA is the national organization of research and professional doctoral-level psychologists and student affiliates. Its purpose is to develop standards and guidelines for the delivery of psychological services, monitor high school, undergraduate and graduate psychology programs, support research funding programs, promote recognition of psychology's scientific achievements, accredit doctoral training and internship programs, encourage opportunities for ethnic minority persons and related sciences and professions.

## Arnold Air Society (AAS)

The AAS is a professional service organization open to all members of Air Force ROTC. It promotes the Air Force image on campus and in the community and provides opportunities to exercise skills in leadership, management, organization, and public relations.

## Association for Computing Machinery (ACM)

The Baylor ACM Chapter was organized and chartered in 1974. The student chapter assists members in maintaining a close, regular association with fellow students and faculty who are also interested in computing. Periodic meetings provide a combination of social interaction, professional dialogue, public service, and professional development. Membership is open to anyone with an interest in computing.

## Association for Education in Journalism and Mass Communication

The Association for Education in Journalism and Mass Communication (AEJMC) is a nonprofit, educational association of journalism and mass communication educators, students, and media professionals. The Association's mission is to promote the highest possible standards for journalism and mass communication education, cultivate the widest possible range of communication research, encourage the implementation of a multicultural society in the classroom and curriculum, and defend and maintain freedom of communication in an effort to achieve better professional practice and a better-informed public.

## Association for Women in Mathematics

AWM's purpose is to encourage women to study and have active careers in the mathematical sciences, and to promote equal treatment and opportunities within the field. Our mission is to facilitate activities that support this purpose, both at the graduate and undergraduate levels. AWM is open to both men and women and undergraduate and graduate students.

## Association for Psychological Society (APS)

The APS is the national organization of research psychologists and their student affiliates. It is an independent, multipurpose organization to advance the discipline of psychology, preserve the scientific base of psychology, promote public understanding of psychological science and its applications, enhance the quality of graduate education, and encourage the "giving away" of psychology in the public interest.

## Astronomy Club

This organization is open to all Baylor students. Members will organize and participate in astronomical observing events and learn about astrophotography. Observing events will be held both on campus and at the Paul and Jane Meyer Observatory in Clifton, Texas. The Paul and Jane Meyer Observatory site offers dark skies, a viewing field for personal telescopes, and access to equipment beyond that typical for amateur astronomy, including a 0.6 m Richey-Chretien telescope and CCD camera for imaging and photometry. The Paul and Jane Meyer Observatory is maintained by the Central Texas Astronomical Society (CTAS). Membership in CTAS is required for members to use the observatory field. On-campus astronomical events will be open to everyone.

## Baylor Anthropology Society

The Baylor Anthropology Society was organized and chartered in 1994. Its purpose is to promote Baylor unity and spirit throughout the campus. Through student mixers, open forums, and campus speakers, the society

seeks to enhance the student's understanding and acceptance of social and cultural differences. Membership is open to all full-time students.

### **Baylor Aviation Organization**

The Baylor Aviation Organization (BAO) is for any Baylor student interested in aviation. BAO organizes and hosts aviation-related activities, provides opportunities to explore various aspects of the aerospace industry, and engages in community service projects in order to prepare members for careers within the aerospace industry and promote community between BAO members and the larger Baylor community.

### **Baylor Forensic Society**

The Baylor Forensic Society offers opportunities for students to learn more about possible careers through faculty and guest speakers, provides hands-on experience, participation in community service projects, and encourages camaraderie with other students through social events and fund-raisers.

### **Baylor Geological Society**

The Baylor Geological society promotes the professional development and job placement of geology students. The society also provides opportunities for fundraising and for local service, in addition to cultivating community through various social events.

### **Baylor Japanese Honor Society**

The Baylor Japanese Honor Society (BJHS) recognizes and encourages scholastic achievement and excellence in the study of the Japanese language. BJHS members are expected to maintain high standards in Japanese language and to promote activities that utilize their language skills both on campus and in communities. After successfully completing five semesters of Japanese with a 3.5 GPA and a 3.0 overall GPA, the students will be nominated to the Japanese National Honor Society—College Chapter in their last semester before graduating.

### **Baylor Literary Society**

Designed to aid the pre-professional student and the liberal arts major, the Baylor Literary Society is open to all students regardless of major. Members share a common interest in literary studies and reading. In addition, specific programs and activities assist students in developing the skills required for successful job searches.

### **Baylor Mathematical Society (Student Chapter of MAA)**

Membership in the Baylor MAA student chapter is open to all students interested in mathematics or the mathematical sciences. Its purpose is to encourage students to continue study in the mathematical sciences, provide opportunities to meet with the faculty and other students interested in mathematics, interact with prominent mathematicians at national meetings, and provide career information in the mathematical sciences.

### **Baylor Philosophy Club**

This organization is open to all students who are interested in philosophy. The club meets weekly for philosophical discussions led at times by visiting philosophers and at times by students.

### **Baylor Photo League**

The purposes of the Baylor Photo League are to promote interest in photography among Baylor students, to give members the opportunity to hone their photographic skills, and to encourage fellowship among members. League members are given access to the various labs in the Department of Journalism, Public Relations and New Media, participate

in critiques, interact with professionals from the field, attend field trips to galleries and museums of photography, and sharpen their skills through competitions and workshops.

### **Baylor University Student Chapter of the Society of Environmental Toxicology and Chemistry (SETAC)**

The Baylor University student chapter of the Society of Environmental Toxicology and Chemistry (SETAC) is the leading global science society and helps facilitate careers in environmental science. The BU SETAC student chapter is open to undergraduate and graduate students interested in pursuing careers in these fields.

### **Classical Association of the Middle West and South**

The Classical Association of the Middle West and South is a professional organization for classicists and non-classicists. Baylor has been an Institutional Member and staunch supporter for over a decade, with our faculty both presenting and presiding at CAMWS conferences, serving in leadership roles and, in April 2014, hosting more than 500 attendees at the Annual Meeting.

### **German Club**

This organization promotes interest in the German language, literature, and culture, discusses contemporary events in Germany, and investigates professional and academic opportunities for German-speaking students.

### **International Society for Optics and Photonics (SPIE)**

The SPIE-affiliated student chapter is open to all students who are studying or interested in optics and photonics at Baylor University. SPIE is an international society advancing an interdisciplinary approach to the science and application of light. SPIE affiliation allows chapter members to creatively engage with the larger Optics and Photonics research community and seek diverse career development opportunities supported by SPIE.

### **International Studies Association**

This organization is open to all students interested in foreign affairs. It seeks to stimulate interest in foreign affairs by sponsoring lectures by visiting speakers, and by sponsoring a team that participates in the Model United Nations held annually at Harvard University.

### **Italian Club**

The Italian Club seeks to expose students to Italian culture by organizing a variety of activities, including film screenings, cooking lessons, and group trips to the opera. Membership is open to all Baylor students and faculty.

### **Japanese Student Association (JSA)**

Baylor Japanese Student Association is founded with the purpose of spreading the wonder and joys of Japanese culture. Students interested in Japan will find many opportunities to learn about and experience its culture through various events and activities hosted by JSA on and off-campus. If you are interested or want an updated schedule of events, please email us at [baylorjsa@gmail.com](mailto:baylorjsa@gmail.com).

### **Korean Student Association (KSA)**

The Korean Student Association, founded in 2000, is open to all Baylor University students—both Korean and non-Korean—to learn more about Korean society and culture through films, presentations, and trips. KSA students also hold social, cultural, and athletic events, and participate in Baylor-wide events, such as Diadeloso, and service activities, such as

Steppin' Out. KSA President: Yoonki Na. Faculty sponsors: Professors David and Kim Uber.

### **Le Cercle Français**

Baylor's French Club is open to all interested students. The club's goals are to foster an appreciation of French culture through lectures, movies, field trips, and plays.

### **Mathematical Association of America (MAA)**

The Mathematical Association of America is a professional society that focuses on undergraduate-level mathematics. Members include instructors at the high school level and above, undergraduate and graduate students, pure and applied mathematicians, computer scientists, statisticians, and persons working in industries ranging from business to government.

### **Mathematical Sciences Research Institute (MSRI)**

The Mathematical Sciences Research Institute, founded in 1982, is an independent nonprofit mathematical research institution whose funding sources include the National Science Foundation, foundations, corporations, and more than 90 universities and institutions.

### **Minority Association of Prehealth Students (MAPS)**

The Minority Association of Prehealth Students is an organization open to any Baylor student who is registered for at least 12 hours and has a 2.50 GPA. The specific purposes of the organization are to provide underrepresented Prehealth students with knowledge, skills, and experiences that are both prerequisites and concomitant to professional participation in health care fields.

### **Museum Studies Student Association (MSSA)**

The Museum Studies Student Association is a service organization open to all students interested in Museum Studies. Its mission is scholarship, mentorship, friendship, and service to Baylor University, the Department of Museum Studies, and the museum profession. It seeks to provide beneficial services that complement the professional goals of the membership and to provide meaningful liaisons between the student membership and the faculty of the Department of Museum Studies, the University, and members of the museum community.

### **National Association of Black Journalists (NABJ-Student Chapter)**

The National Association of Black Journalists is the student chapter of a national organization. The chapter meets monthly for speakers and service projects. During monthly meetings, NABJ members and their guests discuss how to handle issues facing minority journalists and ways to bring awareness of these topics to all members of the media. The Baylor NABJ chapter recognizes and treasures the importance of diversity in the newsroom as a means of fostering a wide range of talents, skills, and life experiences. While intended as a support system for black journalism students, the chapter seeks to form relationships with journalists of all colors. As such, the chapter hosts on-campus panel discussions in order to spur thoughtful dialogue among students. To date, the chapter has hosted panel discussions about the role of minorities on campus, rap music and its portrayal of women, and how minorities are portrayed in the media.

### **National Association of Hispanic Journalists (NAHJ-Student Chapter)**

The National Association of Hispanic Journalists is the student chapter of a national organization dedicated to the recognition and professional advancement of Hispanics in the news industry.

### **Phi Theta**

Phi Theta is Baylor University's club for students interested in physical therapy, occupational therapy, or sports medicine. It serves as a resource for students who are seeking information about physical therapy and occupational therapy schools and job opportunities. Guest speakers include representatives from physical therapy and occupational therapy schools and local physical therapists and occupational therapists. Field trips to local rehabilitation clinics and professional schools are also made.

### **The Public Relations Student Society of America, chartered in 1970**

PRSSA is the student chapter of the national organization of public relations professionals, the Public Relations Society of America. Chapter meetings introduce students to national PRSA leaders and issues.

### **Russian Club**

This organization promotes interest in the Russian language, literature, and culture. It also attempts to increase students' awareness of professional and academic opportunities in which knowledge of Russian plays a prominent role.

### **Sigma Pi Sigma**

Membership is by election only. Member must have had sixteen semester hours of college physics in addition to meeting other requirements of the by-laws.

### **Society for Classical Studies (SCS)**

The Society for Classical Studies (SCS), founded as the American Philological Association in 1869 by "professors, friends, and patrons of linguistic science," is the principal learned society in North America for the study of ancient Greek and Roman languages, literatures, and civilizations. While the majority of its members are university and college Classics teachers, members also include scholars in other disciplines, primary and secondary school teachers, students, and interested laypeople.

### **Society of Motion Picture and Television Engineers**

The Society of Motion Picture and Television Engineers® (SMPTE®), a professional membership association, is the preeminent leader in the advancement of the art, science, and craft of the image, sound, and metadata ecosystem, worldwide. An internationally recognized and accredited organization, SMPTE advances moving-imagery education and engineering across the communications, technology, media, and entertainment industries. Since its founding in 1916, SMPTE has published the SMPTE Motion Imaging Journal and developed more than 800 standards, recommended practices, and engineering guidelines.

### **Society of Professional Journalists**

The Society of Professional Journalists (SPJ) is the student chapter of a national organization of more than 9,000 professional journalists. The Chapter meets monthly for speakers and service projects.



## Society of Physics Students (SPS)

The purpose of the Society of Physics Students is to promote interest in physics among university students. Membership is open to all students who have demonstrated such interest.

## Spanish Club

This organization meets monthly and is open to all students interested in the Spanish language or Hispanic culture. Activities include films, guest speakers, social events, and service projects.

## Students for Environmental and Wildlife Protection (SEWP)

Students for Environmental and Wildlife Protection (SEWP) is an environmental group affiliated with the Department of Environmental Science and open to all majors. SEWP's mission is to provide students opportunities to volunteer and advocate for the betterment of wildlife and the environment.

## Texas Classical Association

The Texas Classical Association (TCA) is an organization for teachers and future teachers of the classics in Texas at all levels, from elementary school through university. The faculty of the Classics Department are committed to the advancement of Classics in the State of Texas, as shown by their historical connections with the TCA through individual memberships, service as officers in the organization, and Departmental hosting of the organization's Annual Meeting in 2011.

## Women and Communication

Student Chapter of National Organization of Professional Women Communicators.

# Academic Departments and Programs

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## Aerospace Studies

The United States Air Force Reserve Officer Training Corps (AFROTC) provides the men and women of Baylor University with the knowledge, skills, and abilities necessary for careers as professional Air Force and Space Force officers in a 3- to 4-year education program. (Abbreviated education programs may exist for qualified candidates.) Contact [afrotc@baylor.edu](mailto:afrotc@baylor.edu) to inquire about any of the traditional or abbreviated education programs or for more information about scholarship opportunities.

Students actively pursuing a commission as an officer in the United States Air Force and the United States Space Force are classified as cadets. Participation in the cadet corps is voluntary for eligible students. Furthermore, enrollment in AFROTC does not obligate cadets for military service unless an AFROTC Contract is in place (by scholarship or entering the Professional Officer Course). As members of the cadet corps, cadets attend both academic and Leadership Laboratory sessions. The academic courses are taught by active-duty Air Force and Space Force officers. The laboratory courses are designed as leadership practicums for cadets to gain experience in various administrative/ leadership positions and to better understand the operational positions of responsibility within the cadet corps.

Baylor students who are not pursuing a career as an Air Force and/or Space Force officer may take the academic courses for credit, but cannot enroll in the Leadership Laboratory. There is no military service obligation for academic only students.

Aerospace Studies courses are taken concurrently with other degree programs. No degree is offered in Aerospace Studies, but up to 24 semester hours may be earned in Aerospace Studies over the 4-year period.

### General Military Course (GMC)

Academic courses AS 1101 Heritage and Values I, AS 1102 Heritage and Values II, AS 2103 Team and Leadership Fundamentals I, and AS 2104 Team and Leadership Fundamentals II are collectively referred to as the General Military Course and have Leadership Laboratory co-requisites for cadets. The GMC concentrates on two major themes:

1. Air Force Heritage and Values and
2. Team and Leadership Fundamentals.

Students will survey the basic characteristics, missions, and organization of the Air Force and Space Force and the basics of team leadership. Cadets who begin AFROTC with an expectation to complete the program and their baccalaureate degree in less than 4 years may concurrently take AS 1101 Heritage and Values I and AS 2103 Team and Leadership Fundamentals I or AS 1102 Heritage and Values II and AS 2104 Team and



Leadership Fundamentals II in order to preserve at least 2 full years in the Professional Officer Course.

### **Field Training (FT)**

Eligible cadets compete on a nationwide basis to attend FT during the summer months at an Air Force training site. Students typically compete for an FT Enrollment Allocation during the spring of their sophomore year and attend FT that summer. Successful completion of FT enables students to enroll in the Professional Officer Course.

### **Professional Officer Course (POC)**

Academic courses AS 3301 Leading People and Communicating Effectively I, AS 3302 Leading People and Communicating Effectively II, AS 4301 National Security, and AS 4302 Preparation for Commissioning classes are collectively referred to as the Professional Officer Course and have Leadership Laboratory co-requisites for cadets. The POC concentrates on two major themes:

1. Leading People and Effective Communication and
2. National Security/Leadership Responsibilities and Commissioning Preparation.

Students will learn advanced skills in management and leadership and will be provided the foundation to understand the role of military officers in American society. For cadets, successful completion of the POC and a baccalaureate degree results in commissioning as an Air Force or Space Force second lieutenant and a call to extended active duty (i.e. full-time military service) within 365 days of the commissioning date.

### **Leadership Laboratory (LLAB)**

Laboratory courses AS 1111 Leadership Laboratory, AS 1112 Leadership Laboratory, AS 2111 Leadership Laboratory, AS 2112 Leadership Laboratory, AS 3111 Leadership Laboratory, AS 3112 Leadership Laboratory, AS 4111 Leadership Laboratory, and AS 4112 Leadership Laboratory are collectively referred to as Leadership Laboratory and are required for cadets pursuing a commission in the Air Force or Space Force. Instruction is conducted within the framework of an organized cadet corps with a progression of experiences designed to develop leadership potential. LLAB involves a study of Air Force customs and courtesies, drills and ceremonies, career opportunities in the Air Force and Space Force, and the life and work of Air Force and Space Force commissioned officers. Field trips to Air Force and Space Force installations may be included when funding permits. Physical training and fitness evaluations are required and may exempt students from the Lifetime Fitness requirements for some baccalaureate degree programs.

## **Aerospace Studies (AS)**

### **AS 1101 Heritage and Values I (1)**

Co-requisite(s): AS 1111

Introduces students to the United States Air Force and provides an overview of its basic characteristics, missions, and organization.

### **AS 1102 Heritage and Values II (1)**

Co-requisite(s): AS 1112

Continuation of AS 1101.

### **AS 1111 Leadership Laboratory (1)**

Co-requisite(s): AS 1101

A study of Air Force customs and courtesies, drill and ceremonies, career opportunities in the Air Force and the life and work of an Air Force officer. An extensive physical fitness program is taught, reinforced and evaluated. Students under contract must pass a physical fitness test each term. Field trips to Air Force installations are usually included.

### **AS 1112 Leadership Laboratory (1)**

Co-requisite(s): AS 1102

A continuation of AS 1111.

### **AS 2103 Team and Leadership Fundamentals I (1)**

Co-requisite(s): AS 2111

Provides a fundamental understanding of leadership and team building in the United States Air Force, including leadership, followership, effective communication, problem-solving, and self-assessment.

### **AS 2104 Team and Leadership Fundamentals II (1)**

Co-requisite(s): AS 2112

A continuation of AS 2103.

### **AS 2111 Leadership Laboratory (1)**

Co-requisite(s): AS 2103

A continuation of AS 1112.

### **AS 2112 Leadership Laboratory (1)**

Co-requisite(s): AS 2104

A continuation of AS 2111.

### **AS 3111 Leadership Laboratory (1)**

Co-requisite(s): AS 3301

A continuation of AS 2112.

### **AS 3112 Leadership Laboratory (1)**

Co-requisite(s): AS 3302

A continuation of AS 3111.

### **AS 3301 Leading People and Communicating Effectively I (3)**

Co-requisite(s): AS 3111

Utilization of cadets' field training experience to take a more in-depth look at leadership, with special emphasis on enhancing communication skills and their importance for a leader. Cadets practice leadership and management techniques in a supervised environment.

### **AS 3302 Leading People and Communicating Effectively II (3)**

Co-requisite(s): AS 3112

A continuation of AS 3301.

### **AS 4111 Leadership Laboratory (1)**

Co-requisite(s): AS 4301

A continuation of AS 3112.

### **AS 4112 Leadership Laboratory (1)**

Co-requisite(s): AS 4302

A continuation of AS 4111.

### **AS 4301 National Security (3)**

Co-requisite(s): AS 4111

Pre-requisite(s): Upper-level standing or consent of instructor

Gives college seniors the foundation to understand their role as military officers and how they are directly tied to our National Security Strategy. Overview of the complex social and political issues facing the military profession.

### **AS 4302 Preparation for Commissioning (3)**

Co-requisite(s): AS 4112

A continuation of AS 4301.

## **Institute for Air Science**

Baylor Institute for Air Science offers a four-year undergraduate program developed specifically for students who wish to pursue careers in aviation. Each Aviation Sciences major will receive a Bachelor of Science in Aviation Sciences degree in one of three concentrations. Those students who select the Professional Pilot - Airplane concentration will have flying qualifications to the Commercial Pilot level (including an

instrument rating), along with a Certified Flight Instructor (CFI) license and then their choice of Certified Flight Instructor (CFI-I) license or multiengine rating. Students choosing the Professional Pilot - Helicopter concentration will achieve the Commercial Pilot level (including an instrument rating) along with Certified Flight Instructor and Certified Flight Instructor-Instrument Ratings as well as Night-Vision Goggle Training. Students may only enter the Aircraft Dispatch concentration upon departmental approval and must obtain their FAA Dispatch Certification externally.

The Aviation Administration major is for students intending to pursue a career in the business aspect of the aviation industry. Through a well-rounded curriculum of aviation, business, and management courses, students will have a basic foundation that can be applied to aviation businesses.

- Aviation Sciences, B.S.A. (p. 61)
  - Aviation Sciences (Aircraft Dispatch), B.S.A. (p. 61)
  - Aviation Sciences (Professional Pilot - Airplane), B.S.A. (p. 62)
  - Aviation Sciences (Professional Pilot - Helicopter), B.S.A. (p. 62)
- Aviation Administration, B.S.A. (p. 63)
- Aviation Sciences - Secondary Major (p. 63)
- Aviation Science Minor (p. 63)

## Aviation Management (AVIM)

### AVIM 1470 Fundamentals of Air Traffic Control (4)

The course will introduce the student to the Air Traffic Control to include a brief story of Air Traffic Control, an introduction to the Federal Aviation Administration, an introduction to the FAAO/JO 710.65, terms of reference, general control, flight progress strips, radio and interphone communications, route and NAVAID description, weather information, altimeter settings, and automatic terminal information service procedures.

## Aviation Sciences (AVS)

### AVS 1300 Introduction to Aviation (3)

Pre-requisite(s): Aviation Sciences (AVS) or Aviation Administration (AVA) majors, secondary majors, and minors only

A survey of aviation with special attention to the history and impact of aviation on society as well as its technological progress.

### AVS 1301 Air Navigation (3)

Pre-requisite(s): Aviation Sciences (AVS) or Aviation Administration (AVA) majors and secondary majors only

Instruction in Visual Flight rules navigation in the National Airspace System. Topics include sectional charts, flight computers, plotters, and navigation logs and publications. Qualifies as part of a program leading to Federal Aviation Administration Private Pilot certification.

### AVS 1302 Private Pilot Ground School (3)

Pre-requisite(s): Aviation Sciences (AVS) or Aviation Administration (AVA) majors only

Basic ground school for the Federal Aviation Administration Private Pilot Certificate, providing the student with the necessary aeronautical knowledge that can be used for private pilot certification. Topics include principles of flight, radio procedures, weather, navigation, aerodynamics, and Federal Aviation Administration regulations.

### AVS 1303 Instrument Rating Ground School (3)

Pre-requisite(s): AVS 1302

Ground school providing the necessary aeronautical knowledge required to successfully complete the Federal Aviation Administration (FAA) Instrument Rating written exam. Topics include basic radio instrument and navigation fundamentals, navigation systems, navigation instruments, charts used for instrument flight and Federal Aviation Administration regulations pertaining to instrument flight.

### AVS 1313 Introduction to Meteorology (3)

Pre-requisite(s): Aviation Sciences (AVS) or Aviation Administration (AVA) majors, secondary majors, and minors only

Basic atmospheric structure and processes, clouds and precipitation, atmospheric pressure and winds, weather chart analysis, thunderstorms and hurricanes, weather observations and forecasting.

### AVS 1331 Private Pilot Flight (3)

Pre-requisite(s): Aviation Sciences (AVS) or Aviation Administration (AVA) majors, secondary majors, and minors only

Dual flight instruction and solo flight time necessary to qualify for the FAA Private Pilot Certificate.

### AVS 1332 Instrument Rating Flight (3)

Co-requisite(s): AVS 1303

Pre-requisite(s): AVS 1331

Dual flight instruction and solo flight time necessary to qualify for the FAA Instrument Rating.

### AVS 1361 Private Pilot Helicopter Flight (3)

Co-requisite(s): AVS 1301, AVS 1302, AVS 1313

Pre-requisite(s): Departmental approval required

Flight training in preparation for the FAA Private Pilot Helicopter license.

### AVS 2151 Multi-Engine Flight (1)

Pre-requisite(s): A grade of C or better in AVS 2239 or AIRP 2239

Prepares the student for the FAA multi-engine rating.

### AVS 2236 CFI-A Flight (2)

Co-requisite(s): AVS 2349

Pre-requisite(s): A grade of C or better in AVS 2239 or AIRP 2239

Flight training in preparation for the FAA Certified Flight Instructor - Airplane (CFI-A) license.

### AVS 2304 Commercial Pilot Ground School (3)

Pre-requisite(s): AVS 1303

Necessary aeronautical knowledge required to successfully complete the Federal Aviation Administration (FAA) Commercial Pilot written exam.

### AVS 2333 Commercial Flight I (3)

Pre-requisite(s): AVS 1332

The first of two courses that combine to prepare a student for FAA Commercial Pilot certification. Focuses on cross-country procedures and commercial maneuvers and includes both solo and dual flight training.

### AVS 2334 Commercial Flight II (3)

Co-requisite(s): AVS 2304

Pre-requisite(s): AVS 2333

Continues to prepare a student for FAA Commercial Pilot certification. Focuses on cross-country procedures and commercial maneuver and includes both solo and dual flight training.

### AVS 2349 Certified Flight Instructor Ground School (3)

Pre-requisite(s): A grade of "C" or better in AVS 2337 or AIRP 2337

Ground school providing the necessary aeronautical knowledge to successfully complete the Federal Aviation Administration (FAA) Certified Flight Instructor and the Fundamentals of Instruction written exams.

**AVS 2362 Instrument/Commercial I Helicopter Flight (3)**

Co-requisite(s): AVS 1303

Pre-requisite(s): A grade of C or better in AVS 1361

The first of two (2) flight training courses in preparation for the FAA Commercial Pilot Helicopter License with Instrument Rating.

**AVS 2363 Instrument/Commercial II Helicopter Flight (3)**

Co-requisite(s): AVS 2304

Pre-requisite(s): AVS 2362

The second of two (2) flight training courses in preparation for the FAA Commercial Pilot Helicopter License with Instrument Rating.

**AVS 3235 Multi-Engine Flight (2)**

Pre-requisite(s): AVS 2334

Required flight training, fundamental knowledge, and a consistent flight schedule for earning the Multi-Engine rating. Includes preparation for FAA Multi-Engine Rating practical test.

**AVS 3236 Certified Flight Instructor - Airplane Flight (2)**

Co-requisite(s): AVS 3305

Pre-requisite(s): AVS 2334

Required flight training, fundamental knowledge, and comprehensive preparation for the FAA CFI-A practical test.

**AVS 3305 Flight Instructor Ground School (3)**

Pre-requisite(s): AVS 2304

Advanced ground school, providing students with preparation for the Federal Aviation Administration Certified Flight Instructor Certificate.

**AVS 3310 Aviation Law (3)**

A history of the development of aviation law as well as a study of its present status. Topics include state and federal regulations, tort law, contract law, FAA regulations, aircraft ownership, airport businesses, and the effect of other laws on aviation.

**AVS 3311 Aircraft Accident Investigation and Prevention (3)**

A comprehensive overview of the procedures and methods used and the skills required to investigate an aircraft accident with emphasis placed on accident prevention.

**AVS 3312 Aviation Safety (3)**

Pre-requisite(s): AVS 3311

Methods for assessing risk and predicting error generation potentials, illustrated through accident and incident case studies.

**AVS 3315 Advanced Aviation Meteorology (3)**

Pre-requisite(s): Aviation Sciences (AVS) or Aviation Administration (AVA) majors, secondary majors, and minors only

Discussion of physical processes in the atmosphere which affect aviation including thunderstorms, wind, icing, turbulence, ceiling, and visibility. Includes development and application of aviation weather products.

**AVS 3320 Flight Crew Career Development (3)**

Pre-requisite(s): AVS 2334

Examination of pilot qualifications required by airline, corporate, and military hiring entities.

**AVS 3341 UAS Foundations (3)**

Analysis of the capabilities and limitations of UAS technology including both hardware and software inclusions along with an examination of the concerns facing UAS integration into the National Airspace.

**AVS 3342 Applications of Unmanned Aircraft Systems (3)**

Applications of UAS technology for commercial, scientific, and governmental purposes with respect to physical and regulatory limitations. Discussion of professionalism and ethics as they apply to remote pilots.

**AVS 3350 Space Weather (3)**

The discovery, basic processes, and the health, technology, and societal impacts of space weather.

**AVS 3364 CFI Helicopter Flight (3)**

Co-requisite(s): AVS 3305

Pre-requisite(s): AVS 2363

Flight training in preparation for the FAA Certified Flight Instructor Helicopter license.

**AVS 3370 Aviation Leadership (3)**

A study of leadership topics such as leadership theory, teamwork, conflict management, supervision, and motivation with an emphasis on application within the aviation industry.

**AVS 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**AVS 4237 Certified Flight instructor - Instrument Flight (2)**

Pre-requisite(s): AVS 3236

Flight training, fundamental knowledge, and a consistent flight schedule required for earning the CFI-I certification rating. Includes preparation for the FAA CFI-I practical test.

**AVS 4238 Multi Engine Instructor Flight (2)**

Pre-requisite(s): AVS 3235 and AVS 4237

Flight training, fundamental knowledge, and a consistent flight schedule required for earning the Multi-Engine Instructor Certification. Includes preparation for the FAA Multi-Engine Instructor license practical test.

**AVS 4265 CFI-I Helicopter Flight (2)**

Pre-requisite(s): A grade of C or better in AVS 3464

Flight training in preparation for the FAA Certified Flight Instructor Instrument Helicopter license.

**AVS 4266 NVG Helicopter Flight (2)**

Pre-requisite(s): A grade of C or better in AVS 4265

Flight training in preparation for the FAA Helicopter Night Vision Goggle (NVG) logbook endorsement.

**AVS 4305 Special Topics in Aviation (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Study of advanced topics in aviation. This course may be repeated once under a different topic.

**AVS 4306 Instructor - Instrument Ground School (3)**

Pre-requisite(s): AVS 3305

Ground school providing the necessary aeronautical knowledge to successfully complete the Federal Aviation Administration (FAA) Certified Flight Instructor - Instrument written exam.

**AVS 4310 Aviation Management (3)**

Application of management concepts to the problems involved in airport operations, national air traffic control and air transportation systems.

**AVS 4314 Advanced Aircraft Systems (3)**

Study of large transport aircraft: turbine engines, pressurization, electrical, hydraulic, and fire protection systems. Emphasis on high altitude aerodynamics and performance.

**AVS 4315 Aerodynamics (3)**Pre-requisite(s): Upper-level standing and Aviation Sciences majors only  
Aircraft types, theory of flight, aerodynamics of the airplane, aircraft performance, effects of atmospheric conditions on performance, theory of aircraft stability and control, effects of flight loads on aircraft structure.

**AVS 4317 Aerospace Propulsion Systems (3)**

Current aerospace power plants, engines, and associated aircraft systems with an emphasis on power plants encountered during flight and ground training.

**AVS 4318 Avionics System Design (3)**

Cross-listed as ELC 4318

See ELC 4318 for course information.

**AVS 4321 Energy Economics (3)**

Cross-listed as ENV 4321

See ECO 4321 for course information.

**AVS 4323 The Environment and Economic Analysis (3)**

Cross-listed as ECO 4323, ENV 4323

See ENV 4323 for course information.

**AVS 4343 Human Aspects of Unmanned Aircraft Systems (3)**

Pre-requisite(s): AVS 3341

Assessment of the limits and skills employed by professional remote pilots in trapping and mitigating errors, as well as analyzing human error and management skills used to detect and stop errors during the day-to-day execution of remote pilot tasks. Exploration into the concepts of decision-making bias, stress, and methods for safely identifying and mitigating risk while making time critical decisions.

**AVS 4344 Safety Management of Unmanned Aircraft Systems (3)**

Pre-requisite(s): AVS 3342

Focus on the four pillars of a safety management system to include safety policy, safety risk management, safety assurance, and safety promotion.

**AVS 4375 Crew Resource Management (CRM) in Aviation (3)**

Cognitive processing theory, organizational behavior, interpersonal relationship skills, and other critical behavioral dynamics of professional flight crews.

**AVS 4377 Airport Management (3)**

Pre-requisite(s): Upper-level standing

An in-depth overview of the Federal Aviation Regulation Part 139 airport design standard as well as a study of both landside and airside airport business management, utilizing the American Association of Airport Executives' Body of Knowledge modules. Includes a study of the role of the airport in community development.

**AVS 4386 Remote Sensing (3)**

Cross-listed as BIO 4386, ENV 4386, GEO 4386

See GEO 4386 for course information.

**AVS 4390 Internship in Aviation (3)**

Pre-requisite(s): Upper-level standing and consent of instructor

Supervised work within the aviation industry corresponding with the student's major and career goals. May be repeated for a total of six semester hours provided professional setting is different.

**AVS 4395 CFI Practicum - I (3)**

Pre-requisite(s): Departmental approval required

Aviation capstone course that synthesizes and integrates previous learning to facilitate the students' transition to the professional world.

**AVS 4396 CFI Practicum - II (3)**

Pre-requisite(s): AVS 4395

Aviation capstone course that continues integrating previous dual flight instruction while further honing flight skills and professionalism for transition to the professional world.

**AVS 4485 Introduction to Geographic Information Systems (4)**

Cross-listed as ENV 4384, ENV 4485, GEO 4485

See GEO 4485 for course information.

**AVS 4487 Advanced GIS Analysis (4)**

Cross-listed as AVS 4387, ENV 4487, GEO 4487

See ENV 4487 for course information.

**AVS 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Aviation Sciences, B.S.A.

- Aviation Sciences (Aircraft Dispatch), B.S.A. (p. 61)
- Aviation Sciences (Professional Pilot - Airplane), B.S.A. (p. 62)
- Aviation Sciences (Professional Pilot - Helicopter), B.S.A. (p. 62)

## Aviation Sciences (Aircraft Dispatch), B.S.A.

### Requirements for a Major in Aviation Sciences (Aircraft Dispatch)

| Code   | Title   | Hours     |
|--|---|-----------|
| Sixty semester hours including the following:                    |   |           |
| <b>Required Courses</b>  |   |           |
| Fifteen hours of credit obtained via FAA dispatch certification. |   | 15        |
| Forty-five hours required from Baylor to include:                |   |           |
| AVS 1300   | Introduction to Aviation                              | 3         |
| AVS 1301   | Air Navigation  | 3         |
| AVS 1302   | Private Pilot Ground School                           | 3         |
| AVS 1303   | Instrument Rating Ground School                       | 3         |
| AVS 1313   | Introduction to Meteorology                           | 3         |
| AVS 2304   | Commercial Pilot Ground School                        | 3         |
| AVS 3310   | Aviation Law  | 3         |
| AVS 3311   | Aircraft Accident Investigation and Prevention        | 3         |
| AVS 3312   | Aviation Safety                                       | 3         |
| AVS 3315   | Advanced Aviation Meteorology                         | 3         |
| AVS 4310   | Aviation Management                                   | 3         |
| AVS 4315   | Aerodynamics  | 3         |
| Nine semester hours of 3000-4000 level AVS courses               |   | 9         |
| <b>Subtotal</b>  |   | <b>60</b> |
| <b>Required Courses in Other Fields</b>                          |   |           |
| MTH 1321   | Calculus I  | 3         |
| MTH 1322   | Calculus II   | 3         |
| or STA 2381  | Introductory Statistical Methods                      |           |
| PHY 1408   | General Physics for Natural and Behavioral Sciences I | 4         |
| or PHY 1420  | General Physics I                                     |           |
| CSI 3303   | Information Technology                                |           |
| or CSI 1401  | Introduction to Programming I                         |           |
| or CSI 4301  | Cultural Impact of the Computer                       |           |
| <b>Total Hours</b>   |   | <b>70</b> |



## Aviation Sciences (Professional Pilot - Airplane), B.S.A.

### Requirements for a Major in Aviation Sciences (Professional Pilot - Airplane)

| Code  | Title   | Hours     |
|---|---|-----------|
| Seventy semester hours including the following:   |   |           |
| <b>Required Courses</b>                           |   |           |
| AVS 1331  | Private Pilot Flight                                  | 3         |
| AVS 1332  | Instrument Rating Flight                              | 3         |
| AVS 2333  | Commercial Flight I                                   | 3         |
| AVS 2334  | Commercial Flight II                                  | 3         |
| AVS 3236  | Certified Flight Instructor - Airplane Flight         | 2         |
| AVS 3235  | Multi-Engine Flight                                   | 2         |
| or AVS 4237                                       | Certified Flight instructor - Instrument Flight       |           |
| Fifty-four hours required from Baylor to include: |   |           |
| AVS 1300  | Introduction to Aviation                              | 3         |
| AVS 1301  | Air Navigation  | 3         |
| AVS 1302  | Private Pilot Ground School                           | 3         |
| AVS 1303  | Instrument Rating Ground School                       | 3         |
| AVS 1313  | Introduction to Meteorology                           | 3         |
| AVS 2304  | Commercial Pilot Ground School                        | 3         |
| AVS 3305  | Flight Instructor Ground School                       | 3         |
| AVS 3310  | Aviation Law  | 3         |
| AVS 3311  | Aircraft Accident Investigation and Prevention        | 3         |
| AVS 3312  | Aviation Safety                                       | 3         |
| AVS 3315  | Advanced Aviation Meteorology                         | 3         |
| AVS 4314  | Advanced Aircraft Systems                             | 3         |
| AVS 4315  | Aerodynamics  | 3         |
| Select fifteen hours from the following:          |   | 15        |
| AVS 3320  | Flight Crew Career Development                        |           |
| AVS 3350  | Space Weather   |           |
| AVS 3370  | Aviation Leadership                                   |           |
| AVS 3235  | Multi-Engine Flight                                   |           |
| or AVS 4237                                       | Certified Flight instructor - Instrument Flight       |           |
| AVS 4238  | Multi Engine Instructor Flight                        |           |
| AVS 4306  | Instructor - Instrument Ground School                 |           |
| AVS 4310  | Aviation Management                                   |           |
| AVS 4317  | Aerospace Propulsion Systems                          |           |
| AVS 4318  | Avionics System Design                                |           |
| AVS 4375  | Crew Resource Managment (CRM) in Aviation             |           |
| AVS 4390  | Internship in Aviation                                |           |
| <b>Subtotal</b>                                   |   | <b>70</b> |
| <b>Required Courses in Other Fields</b>           |   |           |
| MTH 1321  | Calculus I  | 3         |
| MTH 1322  | Calculus II   | 3         |
| or STA 2381                                       | Introductory Statistical Methods                      |           |
| PHY 1408  | General Physics for Natural and Behavioral Sciences I | 4         |

|                    |                                 |              |
|--------------------|---------------------------------|--------------|
| or PHY 1420        | General Physics I               |              |
| CSI 3303           | Information Technology          | 3-4          |
| or CSI 1401        | Introduction to Programming I   |              |
| or CSI 4301        | Cultural Impact of the Computer |              |
| <b>Total Hours</b> |                                 | <b>83-84</b> |

## Aviation Sciences (Professional Pilot - Helicopter), B.S.A.

### Requirements for a Major in Aviation Sciences (Professional Pilot - Helicopter)

| Code  | Title   | Hours     |
|---|---|-----------|
| Seventy semester hours including the following:   |   |           |
| <b>Required Courses</b>                           |   |           |
| AVS 1361  | Private Pilot Helicopter Flight                       | 3         |
| AVS 2362  | Instrument/Commercial I Helicopter Flight             | 3         |
| AVS 2363  | Instrument/Commercial II Helicopter Flight            | 3         |
| AVS 3364  | CFI Helicopter Flight                                 | 3         |
| AVS 4265  | CFI-I Helicopter Flight                               | 2         |
| AVS 4266  | NVG Helicopter Flight                                 | 2         |
| Fifty-four hours required from Baylor to include: |   |           |
| AVS 1300  | Introduction to Aviation                              | 3         |
| AVS 1301  | Air Navigation  | 3         |
| AVS 1302  | Private Pilot Ground School                           | 3         |
| AVS 1303  | Instrument Rating Ground School                       | 3         |
| AVS 1313  | Introduction to Meteorology                           | 3         |
| AVS 2304  | Commercial Pilot Ground School                        | 3         |
| AVS 3305  | Flight Instructor Ground School                       | 3         |
| AVS 3310  | Aviation Law  | 3         |
| AVS 3311  | Aircraft Accident Investigation and Prevention        | 3         |
| AVS 3312  | Aviation Safety                                       | 3         |
| AVS 3315  | Advanced Aviation Meteorology                         | 3         |
| AVS 4314  | Advanced Aircraft Systems                             | 3         |
| AVS 4315  | Aerodynamics  | 3         |
| Select fifteen hours from the following:          |   | 15        |
| AVS 3320  | Flight Crew Career Development                        |           |
| AVS 3350  | Space Weather   |           |
| AVS 3370  | Aviation Leadership                                   |           |
| AVS 4310  | Aviation Management                                   |           |
| AVS 4317  | Aerospace Propulsion Systems                          |           |
| AVS 4318  | Avionics System Design                                |           |
| AVS 4375  | Crew Resource Managment (CRM) in Aviation             |           |
| AVS 4390  | Internship in Aviation                                |           |
| <b>Subtotal</b>                                   |   | <b>70</b> |
| <b>Required Courses in Other Fields</b>           |   |           |
| MTH 1321  | Calculus I  | 3         |
| MTH 1322  | Calculus II   | 3         |
| or STA 2381                                       | Introductory Statistical Methods                      |           |
| PHY 1408  | General Physics for Natural and Behavioral Sciences I | 4         |



|             |                                 |     |
|-------------|---------------------------------|-----|
| or PHY 1420 | General Physics I               |     |
| CSI 3303    | Information Technology          | 3-4 |
| or CSI 1401 | Introduction to Programming I   |     |
| or CSI 4301 | Cultural Impact of the Computer |     |

**Total Hours** **83-84**

## Aviation Administration, B.S.A. Requirements for a Major in Aviation Administration

**Code** **Title** **Hours**

Forty-five hours of required Aviation Sciences courses:

|          |  |   |
|----------|--|---|
| AVS 1300 | Introduction to Aviation                       | 3 |
| AVS 1301 | Air Navigation                                 | 3 |
| AVS 1302 | Private Pilot Ground School                    | 3 |
| AVS 1303 | Instrument Rating Ground School                | 3 |
| AVS 1313 | Introduction to Meteorology                    | 3 |
| AVS 3310 | Aviation Law                                   | 3 |
| AVS 3311 | Aircraft Accident Investigation and Prevention | 3 |
| AVS 3312 | Aviation Safety                                | 3 |
| AVS 3315 | Advanced Aviation Meteorology                  | 3 |
| AVS 3370 | Aviation Leadership                            | 3 |
| AVS 4310 | Aviation Management                            | 3 |
| AVS 4377 | Airport Management                             | 3 |

Nine semester hours of 3000-4000 AVS courses

**Subtotal** **45**

### Required Courses in Other Fields

|                     |   |   |
|---------------------|---|---|
| BUS 1305            | Software Applications for Personal Productivity                 | 3 |
| ECO 1305            | Issues in Economics for Non-Business Majors                     | 3 |
| ACC 2301            | Survey of Accounting  | 3 |
| MKT 3301            | Marketing Concepts  | 3 |
| MGT 3301            | Managing People in Organizations                                | 3 |
| BUS 3302            | Personal Financial Decisions                                    | 3 |
| ENT 3315 & ENT 4325 | Starting and Managing a Business and Entrepreneurial Leadership | 6 |
| MTH 1321            | Calculus I  | 3 |
| STA 1380            | Elementary Statistics   | 3 |
| CSI 3303            | Information Technology  |   |
| or CSI 1401         | Introduction to Programming I                                   |   |
| or CSI 4301         | Cultural Impact of the Computer                                 |   |

**Total Hours** **75**

Note: Additional advanced elective hours should contain content that can be applied to the aviation industry, as approved by the Institute.

## Aviation Sciences - Secondary Major Requirements for a Secondary Major in Aviation Sciences

**Code** **Title** **Hours**

Thirty-three semester hours including the following:

### Required Courses

|          |  |   |
|----------|--|---|
| AVS 1300 | Introduction to Aviation                       | 3 |
| AVS 1301 | Air Navigation                                 | 3 |
| AVS 1302 | Private Pilot Ground School                    | 3 |
| AVS 1313 | Introduction to Meteorology                    | 3 |
| AVS 1331 | Private Pilot Flight                           | 3 |
| AVS 3310 | Aviation Law                                   | 3 |
| AVS 3311 | Aircraft Accident Investigation and Prevention | 3 |
| AVS 4310 | Aviation Management                            | 3 |

Select nine semester hours from the following: **9**

|          |                               |  |
|----------|-------------------------------|--|
| AVS 3312 | Aviation Safety               |  |
| AVS 3315 | Advanced Aviation Meteorology |  |
| AVS 3350 | Space Weather                 |  |
| AVS 3370 | Aviation Leadership           |  |
| AVS 4315 | Aerodynamics                  |  |
| AVS 4377 | Airport Management            |  |

**Total Hours** **33**

## Aviation Science Minor Requirements for a Minor in Aviation Science

**Code** **Title** **Hours**

Eighteen semester hours including the following:

### Required Courses

|          |  |   |
|----------|--|---|
| AVS 1300 | Introduction to Aviation                       | 3 |
| AVS 3311 | Aircraft Accident Investigation and Prevention | 3 |
| AVS 4310 | Aviation Management                            | 3 |

Select nine semester hours from the following: **9**

|          |                               |  |
|----------|-------------------------------|--|
| AVS 1313 | Introduction to Meteorology   |  |
| AVS 3310 | Aviation Law                  |  |
| AVS 3312 | Aviation Safety               |  |
| AVS 3315 | Advanced Aviation Meteorology |  |
| AVS 3350 | Space Weather                 |  |
| AVS 3370 | Aviation Leadership           |  |
| AVS 4315 | Aerodynamics                  |  |
| AVS 4377 | Airport Management            |  |

**Total Hours** **18**

## Anthropology

Collectively, we study human diversity across time and space. As a discipline, Anthropology attempts to understand the human past, present, and future using tools and techniques from the sub-fields of sociocultural

anthropology, biological anthropology, and archaeology. We aim to educate students to address real-world problems through a combination of classroom learning, seminars, and hands-on field and laboratory research opportunities. This can include, for example, examining fossil casts or modern human bones, studying at the zoo or in villages in developing countries, and digging for artifacts in the field, or just facts in the library.

- Anthropology (General Anthropology), B.A. (p. 67)
- Anthropology (Archaeology), B.A. (p. 68)
- Anthropology (Environmental Anthropology), B.A. (p. 68)
- Joint Bachelor of Arts in Anthropology and Master of Arts in Museum Studies (p. 69)
- Anthropology (General Anthropology), B.S. (p. 69)
- Anthropology (Forensic Anthropology), B.S. (p. 69)
- Anthropology (Health), B.S. (p. 70)
- Anthropology - Secondary Major (p. 71)
- Anthropology Minor (p. 71)
- Archaeology Minor (p. 71)
- Forensic Science Minor (p. 72)

## Anthropology (ANT)

### ANT 1305 Introduction to Anthropology (3)

A survey of human past and present physical and cultural diversity. The student is introduced to cultural anthropology, physical anthropology, archaeology, and linguistics, which provide a basis for understanding cultural diversity both within the U.S.A. and abroad.

### ANT 1306 Cultural Anthropology in Global Context (3)

An introduction to global cultures with emphasis on socio-economic arrangements, religious beliefs, and responses of indigenous groups to modernization.

### ANT 1307 The Evolution of Human Societies: An Interdisciplinary Perspective (3)

Explores the big-picture questions of how and why human societies evolved the way that they did and what factors contributed to the distinct trajectories in which those societies developed, and equally, those issues that contributed to their decline.

### ANT 1310 Cultural Geography (3)

Cross-listed as GEOG 1310

An introductory course in human or cultural geography. Topics include geographical concepts and factors; systematic and regional approaches; geographic tools and techniques, stressing spatial interactions; reciprocal relations between peoples and geographical environments; geographical graphics; major earth regions and their interrelations.

### ANT 1325 Introduction to Global Health (3)

An introduction to global health and illness from a cross-cultural and cross-border perspective.

### ANT 1360 Religion, Magic and Witchcraft (3)

Cross-cultural variability in beliefs and practices related to the supernatural, including theories about social, psychological, and ecological functions.

### ANT 1404 Introduction to Human Evolution (4)

An introduction to the study of humans as biological organisms. Emphasis on evolutionary theory and natural selection as driving forces in human evolutionary history.

### ANT 1407 Introduction to Archaeology (4)

A survey of archaeology, including the nature of archaeology, what archaeologists do, and major milestones in human cultural evolution.

### ANT 1V9R Research (3)

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

### ANT 2302 The Emergence of World Civilizations (3)

Cross-listed as ARC 2302

See ARC 2302 for course information.

### ANT 2304 Introduction to Biological Anthropology (3)

A survey of the sub-field of biological anthropology, including anthropological genetics, primatology, paleoanthropology, human ecology, and bioarchaeology.

### ANT 2V9R Research (3)

Pre-requisite(s): Consent of instructor

. Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

### ANT 3301 Science, Society, and Culture (3)

Pre-requisite(s): Upper-level standing or consent of instructor

Anthropological perspectives on controversial issues in the history of scientific thought as conveyed through original texts, popular films, and cultural critique.

### ANT 3307 Historical Archaeology (3)

Cross-listed as ARC 3307

See ARC 3307 for course information.

### ANT 3308 Methods of Archaeology (3)

Pre-requisite(s): Upper level standing or consent of instructor

Methods in contemporary archaeology.

### ANT 3310 Introduction to Linguistics (3)

Cross-listed as ANT 4300, ENG 3310, ENG 4300, LING 3310

See ENG 3310 for course information.

### ANT 3320 Environment and Human Behavior (3)

Cross-listed as ENV 3320

Pre-requisite(s): Upper-level standing or consent of instructor

Interrelationships between cultural and ecological systems, with focus on food production, economic exchange, and religious beliefs.

### ANT 3331 Human Osteology (3)

Cross-listed as FORS 3331

Pre-requisite(s): Upper-level standing or consent of instructor

The detailed examination of the elements of the human skeleton, with an emphasis on identifying and siding individual bones and their bony structures.

### ANT 3340 Indigenous Cultures of Modern Mexico and Central America (3)

Pre-requisite(s): Upper-level standing or consent of instructor

The cultural history of the indigenous peoples of central Mexico, including their adaptation to, and conflict with, forces of modernity.

### ANT 3350 Native North Americans (3)

A study of the natives of North America including prehistory, cultural development, and contemporary relationships with other cultural ethnic groups.

### ANT 3351 Ancient Civilizations of Mesoamerica (3)

Pre-requisite(s): Upper-level standing or consent of instructor

The emergence and evolution of Meso-American civilizations in Mexico and Central America. Focus on Olmecs and Teotihuacan, as well as the Toltecs, Mayas, and Aztecs.

**ANT 3375 Ethnographic Methods (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
The multiple ethnographic methods used in cultural anthropological field research.

**ANT 3394 Forensic DNA Analysis (3)**

Cross-listed as FORS 3394  
See FORS 3394 for course information.

**ANT 3399 Archaeology of Texas (3)**

Pre-requisite(s): Upper-level standing  
Texas prehistory, from the first inhabitants to the arrival of the Europeans. Chronology, theoretical approaches, and regional developments in North America affecting the cultures of the prehistoric peoples of Texas.

**ANT 3402 Social Statistics (4)**

Cross-listed as SOC 3402  
See SOC 3402 for course information.

**ANT 3V9R Research (3)**

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ANT 4199 Senior Thesis I (1)**

Pre-requisite(s): Senior standing in anthropology major  
Thesis project planning, including topic identification, literature review, bibliography compilation, and thesis proposal.

**ANT 4299 Senior Thesis II (2)**

Pre-requisite(s): Senior standing in anthropology major  
Primary data collection, processing, and analysis, culminating in the thesis.

**ANT 4302 Archaeological Theory (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Use of archaeological data in reconstruction of past human cultural systems, with an emphasis on the role of archaeological theory in the process of interpretation.

**ANT 4305 Anthropological Theory (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Theoretical approaches to modern-day anthropology, with emphasis on political economy, Marxism, hermeneutics, ecology, and feminism.

**ANT 4306 Economic Anthropology (3)**

Cross-listed as ENV 4306  
Pre-requisite(s): ANT 2305 or consent of instructor  
Traditional food production systems worldwide are compared to patterns in modern capitalist societies.

**ANT 4310 Societies and Cultures of East Asia (3)**

Cross-listed as AST 4310  
Cultural traits and social structures of China, Korea, and Japan in the context of their development from the traditional to the modern. Special attention on Japanese society in comparison with American society.

**ANT 4311 World Food Problems (3)**

Cross-listed as ENV 4310  
See course information for ENV 4310.

**ANT 4312 Societies and Cultures of Africa (3)**

Current social issues and policies in the light of historical and cultural foundations of selected African countries.

**ANT 4314 Human Biological Variation (3)**

Pre-requisite(s): Upper level standing or consent of instructor  
Mechanisms that contribute to biological diversity between and among human populations.

**ANT 4320 Culture, Personality and Identity (3)**

Cross-listed as SOC 4320  
Pre-requisite(s): Upper-level standing or consent of instructor  
A thorough investigation of the relationship between the individual and culture/society, with emphasis on the "culture and personality" school of contemporary humanistic social science.

**ANT 4321 Climate Anthropology (3)**

Cross-listed as ENV 4322  
Pre-requisite(s): Upper-level standing or consent of instructor  
An introduction to the causes and effects of climate change as it relates to people and power, ethics and morals, environmental costs and justice, and cultural and spiritual survival.

**ANT 4325 Medical Anthropology (3)**

Biological and sociocultural aspects of human health, disease, development, aging, and health care. Especially emphasized are the developmental, holistic, and cross-cultural perspectives on disease and the life cycle.

**ANT 4327 Human Catastrophe and Cultural Response (3)**

Cross-listed as ENV 4327  
Impact of major catastrophes on human society with emphasis on coping strategies and the utility of disaster theory to help in the recovery process. Issues include disaster, toxic disaster, famine, epidemic, war and natural oppression.

**ANT 4330 Epidemiology (3)**

Pre-requisite(s): Some facility with quantitative methods, preferably with elementary knowledge of statistics  
Epidemiological concepts and skills pertinent to the understanding of diseases. Assessment of cultural, ecological, environmental, occupational, and behavioral factors.

**ANT 4331 Global Health Ethics (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Focus on the ethics of global health to examine the motivations and worldviews driving how we define, research and address global health problems.

**ANT 4332 Global Health Disparities (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Principles of modern medical, biological, and psychological theory are applied to understand how economic and social inequities affect child development and health.

**ANT 4333 Formal Decision Analysis & Health Policy (3)**

Pre-requisite(s): ANT 4325, ANT 4330 or consent of instructor  
Introduction to formal decision analysis, the administrative allocation of scarce resources in health care, and the application of decision-making strategies in public policy among indigenous peoples.

**ANT 4334 Child and Family Health in Global Perspective (3)**

Pre-requisite(s): Upper level standing or instructor consent  
Principles of modern medical practice and evolutionary biology are used to understand family relationships and how/why they affect child development and health in global context.

**ANT 4335 The Human Fossil Record (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Seminar on the evolutionary history of humans. Emphasis on fossil evidence and primary texts.

**ANT 4336 Global Health Policy (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
History, theory, and practice of global health policies from the perspectives of public health, economics, and anthropology.

**ANT 4340 Environmental Archaeology (3)**

Cross-listed as ARC 4340, ENV 4340

Pre-requisite(s): Upper-level standing or consent of instructor

Distributional patterns of archaeological sites within specific environments. Archaeological/environmental field work in Texas, with respect to recent conservation laws protecting nonrenewable archaeological resources.

**ANT 4341 Archaeology of the Mediterranean (3)**

Pre-requisite(s): Upper-level standing

Environmental and cultural factors that led to the rise and fall of civilizations in the Mediterranean region.

**ANT 4344 African Archaeology (3)**

Pre-requisite(s): Upper-level standing

A survey of the African archaeological record, from emergence of stone tool technology 2.6 million years ago to the rise of complex civilizations and the African Diaspora.

**ANT 4348 Geoarchaeology (3)**

Cross-listed as GEO 4348

See GEO 4348 for course information.

**ANT 4350 Development and Indigenous People (3)**

Cross-listed as ENV 4350

See ENV 4350 for course information.

**ANT 4351 Futuristics (3)**

Cross-listed as ENV 4351

Pre-requisite(s): Upper-level standing or consent of instructor

Biological and cultural forces that will likely shape humankind's future. Emphasis on trends in demography, globalization, science, and technology.

**ANT 4353 Archaeology of North America (3)**

Cross-listed as ARC 4353

An archaeological survey of human societies in the United States and Canada from their earliest appearance in the New World to the arrival of Europeans. One-third of the course will focus on historical archaeology.

**ANT 4355 Forensic Anthropology (3)**

Cross-listed as FORS 4355

Pre-requisite(s): ANT 3331 or FORS 3331

Forensic anthropological techniques used in civil and criminal court cases, including analysis of skeletal material for sex, age, stature, and biological affinity.

**ANT 4358 Death, Injury and Physical Remains (3)**

Cross-listed as FORS 4359

See FORS 4359 for course information.

**ANT 4360 Anthropology of Religion (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Myth, ritual and religion in social and cultural anthropology. Emphasis on structural and functional analysis, including critiques of pertinent classical and contemporary works.

**ANT 4361 Ethnographic and Analytical Methods in Ethnomusicology (3)**

Cross-listed as MUS 4360

See MUS 4360 for course information.

**ANT 4362 Applied Anthropology (3)**

Cross-listed as ENV 4362

Pre-requisite(s): Upper level standing or consent of instructor

An introduction to applied anthropology where major research components are identified and specific fields such as medical, nutritional, environmental anthropology, and Third World development are discussed.

**ANT 4365 Primate Behavior (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The complex social behavior of primates. Includes field trips. Graduate students produce a comprehensive research paper.

**ANT 4369 Seminar in Anthropology (3)**

Cross-listed as ENV 4369

Pre-requisite(s): Consent of instructor

Debate of current theoretical issues that reflect the continually changing nature of the discipline. Students will address all sides of a currently debated issue, drawing upon their studies in anthropology and related fields. Faculty participation.

**ANT 4371 Evolutionary Medicine (3)**

Pre-requisite(s): Upper level standing or instructor consent

Application of evolutionary theory to medicine using insights from evolutionary theory (biology) and human evolutionary ecology (biological and cultural anthropology) to inform our understandings of human health, development, and disease.

**ANT 4372 Sex, Hormones, and Behavior: Human Reproductive Ecology (3)**

Pre-requisite(s): Upper level standing or instructor consent

Recent developments in human reproductive biology, human reproductive ecology, and fertility analysis. The major features of the human reproductive process are considered using a combination of demographic, physiological and evolutionary approaches.

**ANT 4373 One Health: Connecting Global Health and Conservation Medicine (3)**

Pre-requisite(s): Upper level standing or consent of instructor

Analysis of the collaborative efforts among physicians, public health professionals, veterinarians, and social scientists to understand infectious disease exchange at the interface of human, wildlife, and livestock populations, and the varying ecological and cultural contexts in which these disease spillovers take place.

**ANT 4380 Bioarchaeology (3)**

Pre-requisite(s): ANT 3331 or FORS 3331

Advanced osteological approaches to the study of human skeletal remains from archaeological sites, with an emphasis on the study of human diet and health in prehistory.

**ANT 43C9 Anthropology Capstone (3)**

Pre-requisite(s): ANT 1404, 2305, and 2307; and senior standing

Integration of knowledge and experiences acquired from anthropology courses, research, and field school.

**ANT 4416 Human Evolutionary Anatomy (4)**

Cross-listed as BIO 4415

Pre-requisite(s): Upper-level standing or consent of instructor

Survey of regional and systemic human anatomy viewed from a comparative evolutionary perspective. Non-human primate and non-primate vertebrates will be used to illustrate the unique characteristics of human anatomical structures that have been honed by natural selection throughout our evolutionary history.

**ANT 4670 Field School in Archaeology (6)**

Pre-requisite(s): Consent of instructor

Field training in archaeological excavation, survey, artifact processing, and analysis of material culture.

**ANT 4680 Field School in Cultural Anthropology (6)**

Cross-listed as ENV 4680

Pre-requisite(s): Consent of instructor

Residence for five to six weeks in a selected area to observe and analyze social, economic, and environmental systems.



**ANT 4690 Field School in Biological Anthropology (6)**

Pre-requisite(s): Consent of instructor

Training in research techniques to gain an understanding of the methodology and its application in field research in various topics related to biological anthropology.

**ANT 4V15 Research Methods in Cultural Anthropology (3-6)**

Pre-requisite(s): Consent of instructor

Lecture and field experience in the methods and techniques of social and cultural anthropology. May be repeated for a total of six semester hours with different topics.

**ANT 4V16 Archaeological Research (3-6)**

Cross-listed as ARC 4V16

Pre-requisite(s): Consent of instructor

Independent library and lab research focused on a current topic in archaeology. May be repeated for a total of six semester hours with different topics.

**ANT 4V17 Research Methods in Biological Anthropology (1-6)**

Pre-requisite(s): Upper-level standing or consent of instructor

Lecture and lab experience in the methods and techniques of biological anthropological research. May be repeated for a total of six semester hours with different topics.

**ANT 4V20 Epidemiological Research Design (1-6)**

Pre-requisite(s): Upper level standing and instructor consent

Application of epidemiological skills and methods to research questions. Emphasis on designing studies that will address real world clinical problems in cross-cultural context. May be repeated for a maximum of 6 hours.

**ANT 4V70 Special Topics in Anthropology (1-6)**

Pre-requisite(s): Consent of instructor

A reading-research project in selected areas of ethnology, archaeology, or physical anthropology. May be repeated for credit up to a total of six semester hours, provided topic is different.

**ANT 4V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Anthropology (General Anthropology), B.A.

The BA degree in Anthropology with a General concentration provides sufficient training in all subfields of the discipline in preparation for graduate studies in Anthropology. The Department also suggests that students seek out additional appropriate coursework to complement their degree in related life/physical sciences, social sciences, and humanities.

## Requirements for a Major in Anthropology (General Anthropology)

| Code  | Title                                   | Hours |
|---|---|-------|
| Thirty-two semester hours including the following:                |   |       |
| <b>Required Courses</b>   |   |       |
| ANT 1306  | Cultural Anthropology in Global Context | 3     |
| ANT 1404  | Introduction to Human Evolution         | 4     |
| ANT 1407  | Introduction to Archaeology             | 4     |
| Three semester hours of ANT from each of the following subfields: |   | 9     |

Archaeology (p. 67)

Biological Anthropology (p. 67)

Cultural Anthropology (p. 68)

|   |    |
|---|----|
| Twelve additional semester hours of ANT courses, nine of which must be at the 3000-4000 level | 12 |
|---|----|

|                 |           |
|-----------------|-----------|
| <b>Subtotal</b> | <b>32</b> |
|-----------------|-----------|

|   |            |
|---|------------|
| <b>Required Courses in Other Fields</b> | <b>3-4</b> |
|---|------------|

SOC 3402 Social Statistics

or STA 2381 Introductory Statistical Methods

or STA 3381 Probability and Statistics

|                    |              |
|--------------------|--------------|
| <b>Total Hours</b> | <b>35-36</b> |
|--------------------|--------------|

## Anthropology Subfield Archaeology

| Code                   | Title                                | Hours |
|------------------------|--------------------------------------|-------|
| <b>Course Options:</b> |                                      |       |
| ANT 3307               | Historical Archaeology               | 3     |
| ANT 3308               | Methods of Archaeology               | 3     |
| ANT 3351               | Ancient Civilizations of Mesoamerica | 3     |
| ANT 3399               | Archaeology of Texas                 | 3     |
| ANT 4302               | Archaeological Theory                | 3     |
| ANT 4340               | Environmental Archaeology            | 3     |
| ANT 4341               | Archaeology of the Mediterranean     | 3     |
| ANT 4344               | African Archaeology                  | 3     |
| ANT 4348               | Geoarchaeology                       | 3     |
| ANT 4353               | Archaeology of North America         | 3     |
| ANT 4380               | Bioarchaeology                       | 3     |
| ANT 4670               | Field School in Archaeology          | 6     |
| ANT 4V16               | Archaeological Research              | 3-6   |

## Anthropology Subfield Biological Anthropology

| Code                   | Title   | Hours |
|------------------------|---|-------|
| <b>Course Options:</b> |   |       |
| ANT 3331               | Human Osteology   | 3     |
| ANT 4314               | Human Biological Variation                              | 3     |
| ANT 4416               | Human Evolutionary Anatomy                              | 4     |
| ANT 4335               | The Human Fossil Record                                 | 3     |
| ANT 4358               | Death, Injury and Physical Remains                      | 3     |
| ANT 4365               | Primate Behavior  | 3     |
| ANT 4371               | Evolutionary Medicine                                   | 3     |
| ANT 4372               | Sex, Hormones, and Behavior: Human Reproductive Ecology | 3     |
| ANT 4380               | Bioarchaeology  | 3     |
| ANT 4680               | Field School in Cultural Anthropology                   | 6     |
| ANT 4V17               | Research Methods in Biological Anthropology             | 1-6   |



## Anthropology Subfield

### Cultural Anthropology

| Code                   | Title  | Hours |
|------------------------|--|-------|
| <b>Course Options:</b> |  |       |
| ANT 3301               | Science, Society, and Culture                            | 3     |
| ANT 3310               | Introduction to Linguistics                              | 3     |
| ANT 3320               | Environment and Human Behavior                           | 3     |
| ANT 3340               | Indigenous Cultures of Modern Mexico and Central America | 3     |
| ANT 3350               | Native North Americans                                   | 3     |
| ANT 3375               | Ethnographic Methods                                     | 3     |
| ANT 4305               | Anthropological Theory                                   | 3     |
| ANT 4306               | Economic Anthropology                                    | 3     |
| ANT 4310               | Societies and Cultures of East Asia                      | 3     |
| ANT 4311               | World Food Problems                                      | 3     |
| ANT 4312               | Societies and Cultures of Africa                         | 3     |
| ANT 4320               | Culture, Personality and Identity                        | 3     |
| ANT 4321               | Climate Anthropology                                     | 3     |
| ANT 4325               | Medical Anthropology                                     | 3     |
| ANT 4327               | Human Catastrophe and Cultural Response                  | 3     |
| ANT 4330               | Epidemiology   | 3     |
| ANT 4333               | Formal Decision Analysis & Health Policy                 | 3     |
| ANT 4350               | Development and Indigenous People                        | 3     |
| ANT 4351               | Futuristics  | 3     |
| ANT 4360               | Anthropology of Religion                                 | 3     |
| ANT 4361               | Ethnographic and Analytical Methods in Ethnomusicology   | 3     |
| ANT 4362               | Applied Anthropology                                     | 3     |
| ANT 4680               | Field School in Cultural Anthropology                    | 6     |
| ANT 4V15               | Research Methods in Cultural Anthropology                | 3-6   |

### Anthropology (Archaeology), B.A.

The BA degree in Anthropology with a concentration in Archaeology will prepare students for graduate studies in archaeology and related fields or entry-level employment in the cultural resource management sector.

Coursework in the Department of Anthropology and related disciplines will provide a solid foundation in archaeological theory and exposure to the resources, techniques, and analyses used by archaeologists. Students will participate in a 6-hour archeological field school, offering hands-on training in archaeological survey, excavation, and analysis.

### Requirements for a Major in Anthropology (Archaeology)

| Code  | Title                                   | Hours |
|---|---|-------|
| Thirty-five semester hours including the following: |   |       |
| <b>Required Courses</b>                             |   |       |
| ANT 1306  | Cultural Anthropology in Global Context | 3     |
| ANT 1404  | Introduction to Human Evolution         | 4     |
| ANT 1407  | Introduction to Archaeology             | 4     |
| ANT 3308  | Methods of Archaeology                  | 3     |
| ANT 4302  | Archaeological Theory                   | 3     |

|   |                                  |              |
|---|----------------------------------|--------------|
| ANT 4670  | Field School in Archaeology      | 6            |
| Three semester hours of ANT from each of the following subfields:             |                                  | 9            |
| Archaeology (p. 67)   |                                  |              |
| Biological Anthropology (p. 67)   |                                  |              |
| Cultural Anthropology (p. 68)   |                                  |              |
| Three additional semester hours from the Archaeology subfield, not used above |                                  | 3            |
| <b>Subtotal</b>   |                                  | <b>35</b>    |
| <b>Required Courses in Other Fields</b>                                       |                                  | <b>3-4</b>   |
| SOC 3402  | Social Statistics                |              |
| or STA 2381   | Introductory Statistical Methods |              |
| or STA 3381   | Probability and Statistics       |              |
| <b>Total Hours</b>  |                                  | <b>38-39</b> |

### Anthropology (Environmental Anthropology), B.A.

The BA degree in Anthropology with a concentration in Environmental Anthropology is offered for students who have a broad interest in relations between humans and their environments across space and time. Most of the work done in environmental anthropology today takes an applied, problem-centered approach that assumes various interdisciplinary engagements; hence, students are encouraged to take additional coursework in related fields, including but not limited to environmental science, ecology, geology, political science, sociology, law or history.

### Requirements for a Major in Anthropology (Environmental Anthropology)

| Code  | Title  | Hours |
|---|--|-------|
| Thirty-two semester hours including the following:                        |  |       |
| <b>Required Courses</b>   |  |       |
| ANT 1306  | Cultural Anthropology in Global Context                        | 3     |
| ANT 1404  | Introduction to Human Evolution                                | 4     |
| ANT 1407  | Introduction to Archaeology                                    | 4     |
| ANT 3320  | Environment and Human Behavior                                 | 3     |
| Three semester hours of ANT from each of the following subfields:         |  | 9     |
| Archaeology (p. 67)   |  |       |
| Biological Anthropology (p. 67)   |  |       |
| Cultural Anthropology (p. 68)   |  |       |
| Six semester hours from the following environmental anthropology courses: |  | 6     |
| ANT 4311  | World Food Problems  |       |
| ANT 4321  | Climate Anthropology   |       |
| ANT 4340  | Environmental Archaeology                                      |       |
| ANT 4350  | Development and Indigenous People                              |       |
| ANT 4351  | Futuristics  |       |
| ANT 4362  | Applied Anthropology   |       |
| ANT 4373  | One Health: Connecting Global Health and Conservation Medicine |       |
| ANT 4680  | Field School in Cultural Anthropology                          |       |
| Three additional semester hours of ANT courses                            |  | 3     |

|   |              |
|---|--------------|
| <b>Subtotal</b>                                 | <b>32</b>    |
| <b>Required Courses in Other Fields</b>         | <b>3-4</b>   |
| SOC 3402      Social Statistics                 |              |
| or STA 2381    Introductory Statistical Methods |              |
| or STA 3381    Probability and Statistics       |              |
| <b>Total Hours</b>                              | <b>35-36</b> |

## Joint Bachelor of Arts in Anthropology and Master of Arts in Museum Studies

To earn a joint BA in Anthropology and MA in Museum Studies, a student must complete all requirements for the BA degree with a major in Anthropology, as well as additional coursework at the graduate level. (See the Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/museum-studies/joint-ba-select-majorsma-museum-studies/>) for details of graduate requirements, including eligibility and admissions.)

## Anthropology (General Anthropology), B.S.

For students pursuing the BS degree in Anthropology with a concentration in General Anthropology, this major will prepare the student for graduate studies with sufficient training in the basic areas of anthropology. It is suggested that the student take additional courses in related social, biological, and behavioral sciences.

## Requirements for a Major in Anthropology (General Anthropology)

| Code   | Title  | Hours     |
|--|--|-----------|
| Thirty-two semester hours including the following:                                 |  |           |
| <b>Required Courses</b>  |  |           |
| ANT 1306   | Cultural Anthropology in Global Context                                    | 3         |
| ANT 1404   | Introduction to Human Evolution  | 4         |
| ANT 1407   | Introduction to Archaeology  | 4         |
| Three semester hours of ANT from each of the following subfields:                  |  | 9         |
| Archaeology (p. 67)  |  |           |
| Biological Anthropology (p. 67)  |  |           |
| Cultural Anthropology (p. 68)  |  |           |
| Twelve semester hours of ANT courses, nine of which must be at the 3000–4000 level |  | 12        |
| <b>Subtotal</b>  |  | <b>32</b> |
| <b>Required Courses in Other Fields</b>  |  |           |
| MTH 1321   | Calculus I   | 3         |
| STA 2381   | Introductory Statistical Methods   | 3         |
| Select eight semester hours of science courses with appropriate labs from:         |  | 8         |
| BIO 1305 & BIO 1105  | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory |           |

|   |   |           |
|---|---|-----------|
| BIO 1306 & BIO 1106   | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |           |
| BIO 1405  | Investigations of Modern Biology Concepts I   |           |
| BIO 1406  | Investigations of Modern Biology Concepts II  |           |
| CHE 1301 & CHE 1101   | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |           |
| CHE 1302 & CHE 1102   | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |           |
| ENV 1301 & ENV 1101   | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)    |           |
| ENV 1303 & ENV 1103   | Wildlife Ecology and Wildlife Ecology Laboratory Exercises                            |           |
| GEO 1306 & GEO 1106   | The Earth Through Time and The Earth Through Time, Laboratory                         |           |
| GEO 1307 & GEO 1106   | Evolution and Extinction and The Earth Through Time, Laboratory                       |           |
| GEO 1405  | The Dynamic Earth   |           |
| NSC 1306 & NSC 1106   | Introduction to Neuroscience and Introduction to Neuroscience Laboratory              |           |
| PHY 1408  | General Physics for Natural and Behavioral Sciences I                                 |           |
| PHY 1409  | General Physics for Natural and Behavioral Sciences II                                |           |
| PHY 1420  | General Physics I   |           |
| PHY 1430  | General Physics II  |           |
| Select science and mathematics courses from one or more of the following prefixes: <sup>1</sup> |   | 20        |
| BIO, CHE, ENV, GEO, MTH, NSC, PHY, PSY, STA   |   |           |
| <b>Total Hours</b>  |   | <b>66</b> |

<sup>1</sup> All courses must count toward the major in the respective department.

## Anthropology (Forensic Anthropology), B.S.

For students pursuing the BS degree in Anthropology with a concentration in Forensic Anthropology, this major provides basic training in physical anthropology as well as an introduction to the subfield of forensic anthropology. Students will have the background to pursue graduate training in physical anthropology with an emphasis in forensic anthropology if they so choose. For students interested in pursuing a career in the forensic science field, it is recommended that the student also complete a minor in Forensic Science.

## Requirements for a Major in Anthropology (Forensic Anthropology)

| Code   | Title                                   | Hours |
|--|---|-------|
| Thirty-eight semester hours including the following: |   |       |
| <b>Required Courses</b>                              |   |       |
| ANT 1306   | Cultural Anthropology in Global Context | 3     |

|   |   |           |
|---|---|-----------|
| ANT 1404  | Introduction to Human Evolution   | 4         |
| ANT 1407  | Introduction to Archaeology   | 4         |
| ANT/FORS 3331   | Human Osteology   | 3         |
| ANT/FORS 4355   | Forensic Anthropology   | 3         |
| ANT 4358/<br>FORS 4359  | Death, Injury and Physical Remains  | 3         |
| Three semester hours of ANT from each of the following subfields:                               |   | 9         |
| Archaeology (p. 67)   |   |           |
| Biological Anthropology (p. 67)   |   |           |
| Cultural Anthropology (p. 68)   |   |           |
| Six semester hours of 3000-4000 level ANT courses   |   | 6         |
| Three semester hours of 3000–4000 level ANT or FORS courses                                     |   | 3         |
| <b>Subtotal</b>   |   | <b>38</b> |
| <b>Required Courses in Other Fields</b>   |   |           |
| MTH 1321  | Calculus I  | 3         |
| STA 2381  | Introductory Statistical Methods  | 3         |
| Select eight semester hours of science courses with appropriate labs from:                      |   | 8         |
| BIO 1305<br>& BIO 1105  | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |           |
| BIO 1306<br>& BIO 1106  | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |           |
| BIO 1405  | Investigations of Modern Biology Concepts I   |           |
| BIO 1406  | Investigations of Modern Biology Concepts II  |           |
| CHE 1301<br>& CHE 1101  | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |           |
| CHE 1302<br>& CHE 1102  | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |           |
| ENV 1301<br>& ENV 1101  | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)    |           |
| ENV 1303<br>& ENV 1103  | Wildlife Ecology and Wildlife Ecology Laboratory Exercises                            |           |
| GEO 1306<br>& GEO 1106  | The Earth Through Time and The Earth Through Time, Laboratory                         |           |
| GEO 1307<br>& GEO 1106  | Evolution and Extinction and The Earth Through Time, Laboratory                       |           |
| GEO 1405  | The Dynamic Earth   |           |
| NSC 1306<br>& NSC 1106  | Introduction to Neuroscience and Introduction to Neuroscience Laboratory              |           |
| PHY 1408  | General Physics for Natural and Behavioral Sciences I                                 |           |
| PHY 1409  | General Physics for Natural and Behavioral Sciences II                                |           |
| PHY 1420  | General Physics I   |           |
| PHY 1430  | General Physics II  |           |
| Select science and mathematics courses from one or more of the following prefixes: <sup>1</sup> |   | 20        |

BIO, CHE, ENV, GEO, MTH, NSC, PHY, PSY, STA

**Total Hours** 72<sup>1</sup> All courses must count toward the major in the respective department.

## Anthropology (Health), B.S.

The BS degree in Anthropology with a concentration in Health is intended for students interested in pursuing careers in health-related fields.

This track is compatible with pre-medicine, pre-dental, pre-veterinary, pre-nursing, pre-pharmacy, pre-optometry, pre-occupational therapy, pre-physical therapy, and pre-physician assistant, preparation, but the department strongly suggests that students pursuing it seek further guidance through the Office of PreHealth Studies, as specific prehealth professional course recommendations do change periodically.

## Requirements for a Major in Anthropology (Health)

| Code  | Title   | Hours     |
|---|---|-----------|
| Thirty-eight semester hours including the following:  |   |           |
| <b>Required Courses</b>   |   |           |
| ANT 1306  | Cultural Anthropology in Global Context   | 3         |
| ANT 1404  | Introduction to Human Evolution   | 4         |
| ANT 1407  | Introduction to Archaeology   | 4         |
| ANT/FORS 3331   | Human Osteology   | 3         |
| ANT 4325  | Medical Anthropology  | 3         |
| Three semester hours of ANT from each of the following subfields:                           |   | 9         |
| Archaeology (p. 67)   |   |           |
| Biological Anthropology (p. 67)   |   |           |
| Cultural Anthropology (p. 68)   |   |           |
| Six semester hours from the following:  |   | 6         |
| ANT 4314  | Human Biological Variation  |           |
| ANT 4330  | Epidemiology  |           |
| ANT 4371  | Evolutionary Medicine   |           |
| ANT 4372  | Sex, Hormones, and Behavior: Human Reproductive Ecology                               |           |
| ANT 4373  | One Health: Connecting Global Health and Conservation Medicine                        |           |
| ANT 4416  | Human Evolutionary Anatomy  |           |
| Six additional semester hours of ANT courses, three of which must be at the 3000-4000 level |   | 6         |
| <b>Subtotal</b>   |   | <b>38</b> |
| <b>Required Courses in Other Fields</b>   |   |           |
| MTH 1321  | Calculus I  | 3         |
| STA 2381  | Introductory Statistical Methods  | 3         |
| or MTH 1322   | Calculus II   |           |
| Select eight semester hours of science courses with appropriate labs from:                  |   | 8         |
| BIO 1305<br>& BIO 1105  | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |           |
| BIO 1306<br>& BIO 1106  | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |           |

|   |  |           |
|---|--|-----------|
| BIO 1405  | Investigations of Modern Biology Concepts I  |           |
| BIO 1406  | Investigations of Modern Biology Concepts II                                       |           |
| CHE 1301 & CHE 1101   | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I          |           |
| CHE 1302 & CHE 1102   | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II        |           |
| ENV 1301 & ENV 1101   | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab) |           |
| ENV 1303 & ENV 1103   | Wildlife Ecology and Wildlife Ecology Laboratory Exercises                         |           |
| GEO 1306 & GEO 1106   | The Earth Through Time and The Earth Through Time, Laboratory                      |           |
| GEO 1307 & GEO 1106   | Evolution and Extinction and The Earth Through Time, Laboratory                    |           |
| GEO 1405  | The Dynamic Earth  |           |
| NSC 1306 & NSC 1106   | Introduction to Neuroscience and Introduction to Neuroscience Laboratory           |           |
| PHY 1408  | General Physics for Natural and Behavioral Sciences I                              |           |
| PHY 1409  | General Physics for Natural and Behavioral Sciences II                             |           |
| PHY 1420  | General Physics I  |           |
| PHY 1430  | General Physics II   |           |
| Select science and mathematics courses from one or more of the following prefixes: <sup>1</sup> |  | 20        |
| BIO, CHE, ENV, GEO, MTH, NSC, PHY, PSY, STA   |  |           |
| <b>Total Hours</b>  |  | <b>72</b> |

<sup>1</sup> All courses must count toward the major in the respective department.

## Anthropology - Secondary Major

### Requirements for a Secondary Major in Anthropology

| Code  | Title                                   | Hours     |
|---|---|-----------|
| Twenty-nine semester hours including the following:                             |   |           |
| <b>Required Courses</b>   |   |           |
| ANT 1306  | Cultural Anthropology in Global Context | 3         |
| ANT 1404  | Introduction to Human Evolution         | 4         |
| ANT 1407  | Introduction to Archaeology             | 4         |
| Three semester hours of ANT from each of the following subfields:               |   | 9         |
| Archaeology (p. 67)   |   |           |
| Biological Anthropology (p. 67)   |   |           |
| Cultural Anthropology (p. 68)   |   |           |
| Nine semester hours of ANT courses, six of which must be at the 3000-4000 level |   | 9         |
| <b>Total Hours</b>  |   | <b>29</b> |

## Anthropology Minor

### Requirements for a Minor in Anthropology

| Code  | Title                        | Hours     |
|---|------------------------------|-----------|
| Eighteen semester hours including the following:                                    |                              |           |
| <b>Required Course</b>  |                              |           |
| ANT 1305  | Introduction to Anthropology | 3         |
| Fifteen semester hours of ANT courses, nine of which must be at the 3000-4000 level |                              | 15        |
| <b>Total Hours</b>  |                              | <b>18</b> |

## Archaeology Minor

### Requirements for a Minor in Archaeology

| Code  | Title                                    | Hours |
|---|--|-------|
| Nineteen semester hours including the following:  |  |       |
| <b>Required Courses</b>   |  |       |
| ANT 1407  | Introduction to Archaeology              | 4     |
| ANT 3308  | Methods of Archaeology                   | 3     |
| <b>Electives</b>  |  |       |
| Twelve additional semester hours from the following list, nine of which must be at the 3000-4000 level: |  | 12    |
| <i>Anthropology</i>   |  |       |
| ANT 2302  | The Emergence of World Civilizations     |       |
| ANT 3307  | Historical Archaeology                   |       |
| ANT 3331  | Human Osteology                          |       |
| ANT 3351  | Ancient Civilizations of Mesoamerica     |       |
| ANT 3399  | Archaeology of Texas                     |       |
| ANT 4302  | Archaeological Theory                    |       |
| ANT 4340  | Environmental Archaeology                |       |
| ANT 4341  | Archaeology of the Mediterranean         |       |
| ANT 4333  | Formal Decision Analysis & Health Policy |       |
| ANT 4348  | Geoarchaeology                           |       |
| ANT 4353  | Archaeology of North America             |       |
| ANT 4380  | Bioarchaeology                           |       |
| ANT 4670  | Field School in Archaeology              |       |
| ANT 4V16  | Archaeological Research                  |       |
| <i>Archaeology</i>  |  |       |
| ARC 2302  | The Emergence of World Civilizations     |       |
| ARC 3303  | Archaeology and the Bible                |       |
| ARC 3307  | Historical Archaeology                   |       |
| ARC 4302  | Archaeology and the Ancient Near East    |       |
| ARC 4340  | Environmental Archaeology                |       |
| ARC 4348  | Geoarchaeology                           |       |
| ARC 4353  | Archaeology of North America             |       |
| ARC 4V50  | Special Topics in Archaeology            |       |
| <i>Art History</i>  |  |       |
| ARTH 3352   | Greek Art and Archaeology                |       |
| ARTH 3353   | Roman Art and Archaeology                |       |
| ARTH 4361   | Greek Painted Pottery                    |       |
| ARTH 4364   | Roman Sculpture                          |       |

|                                      |   |
|--------------------------------------|---|
| ARTH 4368                            | Special Topics in Greek and Roman Art and Archaeology         |
| ARTH 4369                            | Greek and Roman Sport and Spectacle                           |
| <i>Aviation Sciences</i>             |   |
| AVS 4386                             | Remote Sensing  |
| AVS 4485                             | Introduction to Geographic Information Systems                |
| AVS 4487                             | Advanced GIS Analysis   |
| <i>Baylor Interdisciplinary Core</i> |   |
| BIC 1314                             | World Cultures I: Roots of Culture                            |
| <i>Biology</i>                       |   |
| BIO 4386                             | Remote Sensing  |
| <i>Classics</i>                      |   |
| CLA 3301                             | Roman History and Civilization                                |
| CLA 3302                             | Greek History and Civilization                                |
| CLA 3321                             | Topography of Rome and Pompeii                                |
| CLA 3352                             | Greek Art and Archaeology                                     |
| CLA 3353                             | Roman Art and Archaeology                                     |
| CLA 4311                             | Archaeology of Greece   |
| CLA 4331                             | The Archaeology of Sicily and Southern Italy                  |
| CLA 4360                             | Indo-European Language and Culture                            |
| CLA 4368                             | Special Topics in Greek and Roman Art and Archaeology         |
| CLA 4369                             | Greek and Roman Sport and Spectacle                           |
| <i>Environmental Science</i>         |   |
| ENV 4340                             | Environmental Archaeology                                     |
| ENV 4386                             | Remote Sensing  |
| ENV 4485                             | Introduction to Geographic Information Systems                |
| ENV 4487                             | Advanced GIS Analysis   |
| <i>Forensic Science</i>              |   |
| FORS 3331                            | Human Osteology   |
| <i>Geology</i>                       |   |
| GEO 1306 & GEO 1106                  | The Earth Through Time and The Earth Through Time, Laboratory |
| GEO 1403                             | Environmental Geology   |
| GEO 1405                             | The Dynamic Earth   |
| GEO 3344                             | Sedimentary Field Studies                                     |
| GEO 3442                             | Field Stratigraphy-Sedimentology                              |
| GEO 4340                             | Geomorphology   |
| GEO 4348                             | Geoarchaeology  |
| GEO 4386                             | Remote Sensing  |
| GEO 4389                             | Quaternary Geology  |
| GEO 4457                             | Geophysical Exploration I                                     |
| GEO 4485                             | Introduction to Geographic Information Systems                |
| GEO 4487                             | Advanced GIS Analysis   |
| <i>Greek</i>                         |   |
| GRK 3311                             | Greek Epigraphy   |
| <i>History</i>                       |   |
| HIS 1305                             | World History to 1500   |
| HIS 3315                             | History of West Africa  |

|                       |   |
|-----------------------|---|
| HIS 3353              | Pre-Columbian and Colonial Latin America          |
| HIS 4325              | The Vikings                                       |
| HIS 4326              | Early Medieval Europe, c. 300-1000                |
| <i>Museum Studies</i> |   |
| MST 1300              | Introduction to Museums                           |
| MST 3304              | Introduction to Cultural Collections              |
| MST 4305              |   |
| MST 4308              | Introduction to Material Culture                  |
| MST 4307              | Historic Buildings and Sites                      |
| MST 4313              | Ethical Issues in Cultural Collections Management |
| <i>Religion</i>       |   |
| REL 3303              | Archaeology and the Bible                         |
| REL 4302              | Archaeology and the Ancient Near East             |

**Total Hours** **19**

Other courses may be appropriate (e.g. those that primarily deal with material culture and/or applicable techniques [e.g., geochronology, ceramic design], senior thesis, independent studies, Internships, graduate-level courses, etc.) may be approved via petition. A Field School course is recommended for all students (e.g. ANT 4670 Field School in Archaeology) and ANT 4302 Archaeological Theory is recommended for students planning to apply to graduate programs.

## Forensic Science Minor

The Minor in Forensic Science is intended for those students who have a science background and are interested in pursuing a career in forensic science. Please note that some of the FORS courses have prerequisites so students may end up taking additional hours to fulfill the requirements of this minor. Additionally, many of the FORS upper-level electives fill very quickly and have limited available seats; it is suggested that students enroll in any/all available FORS courses each semester, to progress towards completion of the minor rather than waiting for specific courses to be offered. Depending on interests or desired career track, it is suggested that students consider a BS in Anthropology, Biology, Chemistry, Physics, or Psychology.

## Requirements for a Minor in Forensic Science

| Code  | Title   | Hours |
|---|---|-------|
| Nineteen semester hours including the following:  |   |       |
| <b>Required Courses</b>   |   |       |
| FORS 1390   | Survey of Forensic Science  | 3     |
| CHE 1301 & CHE 1101   | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I | 4     |
| Twelve semester hours from the following list, nine of which must be at the 3000-4000 level |   | 12    |
| CHE 3361  | Forensic Analytical Chemistry   |       |
| FORS 2391   | Topics in Forensic Science Methods I                                      |       |
| FORS 3310   | Bloodstain Pattern Analysis   |       |
| FORS 3320   | Trace Evidence  |       |
| FORS 3330   | Impression Evidence   |       |
| FORS 3331   | Human Osteology   |       |
| FORS 3340   | Expert Witness Testimony  |       |
| FORS 3350   | Forensic Application of White-Collar Crime                                |       |



|           |  |
|-----------|--|
| FORS 3357 | Crime Scene Investigation                |
| FORS 3360 | Forensic Firearms Evidence               |
| FORS 3370 | Medicolegal Death Investigation          |
| FORS 3380 | Advanced Forensic Investigations         |
| FORS 3392 | Topics in Forensic Science Methods II    |
| FORS 3393 | Forensic Analysis of Biological Evidence |
| FORS 3394 | Forensic DNA Analysis                    |
| FORS 4355 | Forensic Anthropology                    |
| FORS 4359 | Death, Injury, and Physical Remains      |
| FORS 4V50 | Independent Topics in Forensic Science   |
| PSY 3380  | Forensic Psychology                      |

Total Hours

19

## Art and Art History

In an increasingly visual world, the demand for the skills of artists, designers, and art historians is growing. Whether creating with paint, pencil, or charcoal on canvas or paper; with tactile materials such as clay, fibers, metal, or wood; with light on photographic paper; or with pixels on a computer screen - artists and designers play a key role in communicating ideas, information and aesthetics.

The Department of Art and Art History promotes the study of Art History through lectures, seminars, museum visits, study-abroad opportunities, and guest speakers. The program seeks to encourage critical thinking, close looking, and analytical writing through the study of art and culture.

Baylor's Department of Art and Art History is unique as it offers students a wide array of classes within a broad range of artistic areas and disciplines while challenging them to think creatively and critically, preparing them to enter the professional visual world or advanced study.

The following kinds of art courses are offered:

1. Art appreciation for all students.
2. History, theory, and studio work for students in liberal arts to pursue personal interests and aptitudes as a major or in elective courses (B.A. degree).
3. Professional curriculum for artists (B.F.A. degree).
4. Professional curriculum for teachers of art (School of Education degree).

The basic core of studio courses (ART 1310 Drawing I, ART 1311 Drawing II, ART 1314 2D Design, ART 1316 3D Design) are prerequisites for all 3000-4000 level studio courses. ART 1314 2D Design must precede ART 1316 3D Design.

Two capstone requirements are expected of all art majors:

1. **Exam Component**
  - discipline-specific exit exam (B.F.A./Studio majors)
  - core curriculum exam (B.A./Studio & B.A./Art History majors)
2. **Research Component**
  - senior exhibition (B.F.A./Studio majors)
  - senior portfolio (B.F.A./Graphic Design majors)
  - senior portfolio (B.A./Studio majors)
  - 12-15 page senior research paper (B.A./Art History)

Capstone components are designed to represent a culminating undergraduate experience and provide valuable information for program assessment through student achievement.

- Studio Art, B.A. (p. 78)
- Studio Art, B.F.A. (p. 79)
- Studio Art Minor (p. 81)
- Art History, B.A. (p. 81)
- Art History Minor (p. 82)
- Joint Bachelor of Arts With Master of Arts in Museum Studies (p. 82)
- Joint Bachelor of Arts/Master of Arts in Teaching (p. 82)
- Joint Bachelor of Fine Arts/Master of Arts in Teaching (p. 82)

## Art (ART)

### ART 1310 Drawing I (3)

Realization of form and space through direct observation using a variety of drawing media. Perspective, sighting and measuring, methods of depicting light and shadow, composition, and basic drawing vocabulary.

### ART 1311 Drawing II (3)

Pre-requisite(s): ART 1310

Expands on skills learned in ART 1310. Further investigation into line, mark, and value development and integration of color.

### ART 1314 2D Design (3)

Designing in two dimensions, achieving unity using the elements and principles of design. Problem-solving assignments emphasizing visual relationships, incorporating a variety of media.

### ART 1316 3D Design (3)

Pre-requisite(s): ART 1314

Art majors only. Designing in three dimensions, achieving unity using the elements and principles of design. Problem-solving assignments emphasizing visual relationships, incorporating a variety of media.

### ART 2310 Figure Drawing I (3)

Pre-requisite(s): ART 1311 and Art majors only

Structural and relational studies of the human figure from observation. Emphasis on anatomy, tensions, proportions, gesture and compositional placement.

### ART 2311 Figure Drawing II (3)

Pre-requisite(s): ART 2310

Advanced studies of the human figure with more dependence upon anatomy and complicated figure arrangement.

### ART 2320 Introduction to Oil Painting (for non-art majors only) (3)

An introductory course in oil painting with an emphasis on application, color harmony and composition in a wide variety of subjects and approaches.

### ART 2321 Introduction to Acrylic Painting (for non-art majors only) (3)

An introductory course in acrylic painting with an emphasis on application, color, harmony and composition in a wide variety of subjects and approaches.

### ART 2324 Introduction to Intaglio (for non-art majors only) (3)

ART 2325 Introduction to Lithography (for non-art majors only) (3)  
Fine art stone and/or plate lithography. Development of technical skills related to drawing, processing and printing.

### ART 2330 Introduction to Graphic Design (for non-art majors only) (3)

Introduction to typography and concept development using design principles, the creative process, and problem-solving methodologies.

**ART 2332 Introduction to Digital Imaging for Graphic Design (for non-art majors) (3)**

Pre-requisite(s): ART 2330 or consent of instructor

Focuses on techniques and principles to enhance and manipulate images. Development of principles of visual organization, aesthetics and composition, using both raster and vector solutions

**ART 2333 Introduction to Brochure Design (for non-art majors) (3)**

Pre-requisite(s): ART 2330 and 2332 or consent of instructor

An exploration of the combination of type and image emphasizing hierarchy, layouts, grid, styles sheets, and other organizational structures of design in the context of brochures and multi-page documents.

Production and printing methods explored

**ART 2334 Introduction to Darkroom Photography (for non-art majors) (3)**

Black and white fine art photography, emphasizing 35mm cameras and wet lab darkroom processes. Cameras provided.

**ART 2336 Introduction to Digital Photography (for non-majors) (3)**

Color image development, in-house printing, file management, and digital workflow using Adobe Lightroom. Emphasis on aesthetic and conceptual development, study of historic and contemporary photographic genres. Students must have access to a digital SLR camera.

**ART 2340 Hand-Built Ceramics (for non-art majors only) (3)**

Hand-built ceramic forms for non-majors. Includes instruction in pinched, coiled, and slab construction; surfacing/glazing and firing techniques.

**ART 2341 Wheel-Thrown Ceramics (for non-art majors only) (3)**

Introduction to wheel-thrown ceramic form for non-majors. Includes instruction in foundational wheel-thrown forms, surfacing/glazing and firing techniques

**ART 2344 Wood Sculpture (for non-art majors) (3)**

Basic materials, methods and conceptual approaches to wood sculpture. Emphasis on elements and principles of design, in the context of traditional and contemporary approaches to making sculpture.

**ART 2345 Metal Sculpture (for non-art majors) (3)**

Pre-requisite(s): ART 2344

Basic materials, methods and conceptual approaches to welded steel sculpture. Emphasis on elements and principles of design, in the context of traditional and contemporary approaches to making sculptures.

**ART 2350 Jewelry and Metalsmithing (for non-art majors) (3)**

Basic materials, methods and conceptual approaches to metalsmithing and jewelry. Emphasis on elements and principles of design, in the context of traditional and contemporary approaches to making jewelry

**ART 3310 Advanced Drawing (Media) (3)**

Pre-requisite(s): ART 2311

A study of various techniques and different media used in drawing. Students will work on problems that will assist them in further drawing skills.

**ART 3312 Figure Drawing III (3)**

Pre-requisite(s): ART 2311

A continuation of the study and discipline of drawing the human figure using a variety of media including pencil, charcoal, and ink.

**ART 3314 Fabric Surface Design (3)**

Pre-requisite(s): ART 1316 and Art majors only

Introduction to applied fabric surface design treatments. Hand printed, dyeing, and embellishing techniques include tie-dye/shibori, discharge, appliqué, patchwork, embroidery and art quilt methods.

**ART 3315 Non-Woven/Off-Loom Fabric Structures (3)**

Pre-requisite(s): ART 1311 and 1316; Art majors only, or consent of instructor

Introduction to historical and contemporary techniques of basketry, off-loom structures, felt-making, looping, alternative book arts, and fabric construction. Emphasis on material exploration, ideation and design concepts.

**ART 3316 Weaving (3)**

Pre-requisite(s): ART 1316

For Art majors only. Introduction to loom weaving through the study of weave structures, fiber types and color relationships. Development of technical skill and design competency.

**ART 3320 Oil Painting (3)**

Pre-requisite(s): ART 1311 and 1316

For Art majors only. Emphasis on application, color harmony and composition in relation to conceptual development

**ART 3321 Acrylic Painting (3)**

Pre-requisite(s): ART 1311 and 1316; Art majors only

Emphasis on application, color harmony and composition in a wide variety of subjects and approaches.

**ART 3324 Intaglio (3)**

Pre-requisite(s): ART 1311, 1316

For Art majors only. Explores etching and other fine art intaglio processes. Conceptual and technical skills related to creating, processing and hand-printing the limited-edition fine art intaglio print.

**ART 3325 Lithography (3)**

Pre-requisite(s): ART 1311, 1316

For Art majors. Stone and/or plate lithography. Development of conceptual and technical skills related to creating, processing and hand-printing the limited-edition fine art lithograph print.

**ART 3326 Relief Printmaking (3)**

Pre-requisite(s): ART 1311, 1316

For Art majors. Development of conceptual and technical skills related to creating, processing and hand-printing the limited-edition fine art relief print.

**ART 3327 Screenprinting (3)**

Pre-requisite(s): ART 1311, 1316

For Art majors only. Development of conceptual and technical skills related to creating, processing and hand-printing the limited-edition fine art screenprint.

**ART 3330 Typography and Conceptual Development (3)**

Co-requisite(s): ART 3332

Pre-requisite(s): ART 1311 and 1316

ART 3330 must be taken concurrently with ART 3332. For Art majors.. Introduction to typography and conceptual development using design principles, the creative process, problem-solving methodologies.

**ART 3332 Digital Imaging for Graphic Design (3)**

Pre-requisite(s): ART 1311, 1316

Must be taken concurrently with ART 3330. For Art Majors only. Focuses on techniques and principles to enhance and manipulate images. Development of principles of visual organization, aesthetics and composition, using both raster and vector solutions.

**ART 3333 Publication Design (3)**

Pre-requisite(s): ART 3332 and Art majors only

Combining type and image emphasizing hierarchy, layouts, grid, styles sheets, and organizational structures of design in the context of brochures and multi-page documents. Production and printing methods explored.

**ART 3334 Photography I: Introduction to the Camera and Darkroom (3)**

Pre-requisite(s): ART 1311, 1316

For art majors only. Black and white fine art photography emphasizing 35mm cameras and the wet lab. Aesthetic and conceptual development through the introduction of historic and contemporary photographic genres, critiques, and readings. Cameras provided.

**ART 3336 Photography II: Introduction to Digital Photography and the Digital Lab (3)**

Pre-requisite(s): ART 3334 and Art majors only

Color image development, in-house printing, file management, and digital workflow using Adobe Lightroom. Emphasis on both aesthetic and conceptual development. Introduction of historic and contemporary photographic genres. Students must furnish a digital SLR camera.

**ART 3339 Medium and Large Format Photography (3)**

Pre-requisite(s): ART 3334

For Art majors only. Traditional and contemporary processes, including Holga and pinhole cameras, medium and large format photography, digital negatives, printing on fiber-based paper; and historical perspectives and theories in alternative processes

**ART 3340 Hand-Built Ceramics (3)**

Pre-requisite(s): ART 1311, 1316; Art majors only, or with consent of instructor

The design, construction, surfacing, firing, and historical traditions of hand-built ceramic form

**ART 3341 Wheel-Thrown Ceramics (3)**

Pre-requisite(s): ART 1311, 1316, Art Majors only, or consent of instructor

The design, construction, surfacing, firing, and historical traditions of wheel-thrown ceramic form.

**ART 3344 Wood Sculpture (3)**

Pre-requisite(s): ART 1311, 1316, For Art majors only

Materials, methods and conceptual approaches to wood sculpture. Emphasis on elements and principles of design, in the context of traditional and contemporary approaches to making sculpture.

**ART 3345 Metal Sculpture (3)**

Pre-requisite(s): ART 1311 and 1316

For Art majors only. Materials, methods and conceptual approaches to welded steel sculpture. Emphasis on elements and principles of design, in the context of traditional and contemporary approaches to making sculpture.

**ART 3350 Jewelry and Metalsmithing (3)**

Pre-requisite(s): ART 1311, 1316

For Art majors or consent of instructor. Materials, methods and conceptual approaches to metalsmithing and jewelry. Emphasis on elements and principles of design, in the context of traditional and contemporary approaches to making jewelry.

**ART 3V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ART 4312 Figure Drawing IV (3)**

Pre-requisite(s): ART 3312

For Art majors only. Drawing the human figure as a point of departure in the development of personal content, skills and style.

**ART 4313 Advanced Fabric Design I (3)**

Pre-requisite(s): ART 3314 or 3316; upper-level standing; and consent of instructor

For Art majors only. Study of specific fabric design techniques and/or media selected by student in consultation with instructor.

**ART 4314 Advanced Surface Design (3)**

Pre-requisite(s): ART 3314, upper-level standing

For Art majors only or consent of instructor. Formal and improvisational screen-printing processes. Emphasis on design, technical competency, and conceptual development.

**ART 4316 Advanced Fabric Design II (3)**

Pre-requisite(s): ART 3314, 3316 or 4313; For Art majors only or consent of instructor

Advanced problems in fabric design with emphasis on conceptual development. Examination of aesthetic issues in contemporary fibers and the development of a personal vision. Completion of the BFA Senior Exhibition.

**ART 4320 Watercolor Painting (3)**

Pre-requisite(s): ART 1316 and 2310

For Art majors only. Techniques of the water-based media. Instruction gives much attention to creative style and individual criticism.

**ART 4321 Advanced Painting I (3)**

Pre-requisite(s): ART 1316, 2310, and either 3320 or 3321

For Art majors only. Study of a specific painting medium selected by the student in consultation with the instructor

**ART 4322 Advanced Painting II (3)**

Pre-requisite(s): ART 4321

For Art majors only. Advanced problems in media selected by the student in consultation with the professor

**ART 4323 Advanced Painting III (3)**

Pre-requisite(s): ART 4322

For Art majors only. Continuation of a self-directed program in consultation with instructor. Examination of aesthetic issues in contemporary painting and the development of a personal vision. Completion of the BFA Senior Exhibition

**ART 4324 Advanced Printmaking I (3)**

Pre-requisite(s): ART 3324, 3325, 3326, or 3327

For Art majors only. Emphasis on technical proficiency, creative expression and the creation of a body of work.

**ART 4325 Advanced Printmaking II (3)**

Pre-requisite(s): ART 4324

For Art majors only. A continuation of ART 4324 with emphasis on technical proficiency creative expression and the creation of a personal vision. Completion of the BFA Senior exhibition.

**ART 4329 Web Design (3)**

Pre-requisite(s): ART 4332

For Art majors only. Introduction to internet web page design with emphasis on process, concept, aesthetics, user experience, mark-up languages, and internet access software.

**ART 4330 Illustration (3)**

Pre-requisite(s): ART 2310, 3320, 3330 or 4320

For Art majors only. Illustrative art for graphic design. Emphasis on media, technique, style, and concept in advertising and editorial illustration.

**ART 4331 Package Design (3)**

Pre-requisite(s): ART 4332

For Art majors only. Exploration of advanced principles of design when applied to three-dimensional packaging forms. Emphasis on perspectives of aesthetics, form, manufacturing processes, sustainability, utility, marketing, and regulations.

**ART 4332 Identity Design (3)**

Pre-requisite(s): ART 3333

For Art majors. Exploration of theories and terminology of symbols and icons with an emphasis on branding and identity development.

**ART 4333 Portfolio Preparation (3)**

Pre-requisite(s): ART 4331

For Art majors only. Development of the final graphic design portfolio. Additional emphasis on self-assessment, professional skills such as job search strategies, interviewing, and presentation skills. (Should be taken the last semester prior to graduation.)

**ART 4335 Advanced Photography: Digital (3)**

Pre-requisite(s): ART 3336

Color image development using Adobe Photoshop. Conceptual exploration of photography as a fine art medium through guided projects, and historical and contemporary readings. Students must furnish a digital SLR camera. Fee \$50.

**ART 4336 Advanced Photography: Special Topics (3)**

Pre-requisite(s): ART 4335

For Art majors only. Emphasis on development of personal voice using Adobe Software, advanced photographic techniques and concepts. Creation of self-directed projects building on knowledge and understanding of photography as a fine art medium. Research current trends and technologies used in contemporary lens-based media.

**ART 4337 Advanced Photography: Portfolio and Exhibition (3)**

Pre-requisite(s): ART 4336

Capstone seminar for photography majors. Emphasis on professional standards, technical mastery and individual artistic expression informed by historical perspectives and theories. Development of conceptually coherent body of work for BFA Exhibition.

**ART 4338 Studio Topics in Graphic Design (3)**

Pre-requisite(s): ART 3333

For Art majors only. A category of topical courses designed to meet special needs, address issues in the professional field, and focus on research and experimentation in specialized media.

**ART 4340 Advanced Ceramics I (3)**

Pre-requisite(s): ART 3340, ART 3341; Art Majors only

Advanced study of ceramics building upon foundational content, skills, and perspectives developed in ART 3340 and ART 3341. Includes study of ceramic materials and glazes.

**ART 4341 Advanced Ceramics II (3)**

Pre-requisite(s): ART 4340

For Art majors only. Advanced study of ceramics building upon content, skills, and perspectives developed in ART 4340. Includes development of personalized body of artwork and study of high temperature firing dynamics.

**ART 4342 Advanced Ceramics III (3)**

Pre-requisite(s): ART 4341

For Art majors only. Continuation of a self-directed program in consultation with instructor. Examination of aesthetic issues in contemporary ceramics and the development of a personal vision.

**ART 4343 Advanced Ceramics IV (3)**

Pre-requisite(s): ART 4342

For Art majors only. Continuation of a self-directed program in consultation with instructor. Examination of aesthetic issues in contemporary ceramics and the development of a personal vision. Completion of the BFA Senior Exhibition.

**ART 4344 Advanced Sculpture I (3)**

Pre-requisite(s): ART 3344 and 3345

For Art majors only. Sculpture emphasizing the combination of materials, the use of alternative materials, casting approaches, and the development of a personalized body of artwork

**ART 4345 Advanced Sculpture II (3)**

Pre-requisite(s): ART 4344

For Art majors only. Continued emphasis on the combination of materials, the use of alternative materials, casting approaches, and the development of a personalized body of artwork.

**ART 4346 Advanced Sculpture III (3)**

Pre-requisite(s): ART 4345

For Art majors only. Self-directed program in consultation with instructor. Examination of aesthetic issues in contemporary sculpture and the development of a personal vision.

**ART 4347 Advanced Sculpture IV (3)**

Pre-requisite(s): ART 4346

For Art majors only. Continuation of a self-directed program in consultation with instructor. Examination of aesthetic issues in contemporary sculpture and the development of a personal vision. Completion of the BFA Senior Exhibition.

**ART 4355 Special Topics in Modern and Contemporary Art History - AAI (3)**

Pre-requisite(s): ART 2303; and upper-level standing or consent of the instructor

A research seminar on selected topics from modern and contemporary art. Subject varies year to year. May be repeated once with a change in content.

**ART 4356 Modern American Art History - AAI (3)**Pre-requisite(s): ART 2303, upper-level standing or consent of instructor  
Modern art in the Americas from 1880 to 1945. Includes major artistic movements and their political, social, and historical contexts.**ART 4358 Contemporary Art History - AAI (3)**

Pre-requisite(s): ART 2303 and upper-level standing or consent of instructor

A research seminar focused on the major trends in painting, sculpture, printmaking, performance, video, installation, and conceptual art from the 1960s to the present. .

**ART 4381 Art since 1945—AAI (3)**

Pre-requisite(s): ARTH 2303; and upper level standing or consent of instructor

Modern art in a global context from 1945 to 1970, focusing on the development of Abstract Expressionism and its legacies.

**ART 4395 Internship in Studio Art (3)**

Pre-requisite(s): Minimum of six hours of upper-level course completion in the concentration and consent of the instructor

For Art majors only. A field experience under the supervision of a recognized professional artist, which will permit the student to receive concentrated and sufficiently lengthy training to become proficient in that art activity.



**ART 4V90 Special Problems in Studio Art (1-9)**

Pre-requisite(s): Written consent of the appropriate instructor  
For Art majors only. Qualified students with established success in specified areas of art, especially their major concentration, may work on approved projects. May be repeated once with a change of content.

**ART 4V9R Research (3)**

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Art History (ARTH)

**ARTH 1300 Introduction to Art (for non-art majors only) (3)**

The visual elements of art, its history, issues, functions, interpretations, materials and techniques. The creative process and the role of art and the artist in society, its reception and critical interpretation.

**ARTH 1V91 Studies in Art History (for non-art majors only) (1-4)**

Pre-requisite(s): Consent of department chair  
Studies in art history for the non-major participating in a Baylor approved international program. May be repeated once with a change in content.

**ARTH 2302 Survey of Western Art I (3)**

Architecture, painting, sculpture and other media in relation to styles and cultural patterns from prehistoric times to 1400 CE. Includes the creative process and the role of art and the artist in society, their reception and critical interpretation.

**ARTH 2303 Survey of Western Art II (3)**

Architecture, painting, sculpture and other media in relation to styles and cultural patterns from 1400 CE to the present. Includes the creative process and the role of art and the artist in society, their reception and critical interpretation.

**ARTH 3352 Greek Art and Archaeology (3)**

Cross-listed as CLA 3352  
Pre-requisite(s): ART 2302 and upper-level standing or consent of instructor  
Greek art and archaeology from the Aegean Bronze Age through the first century BCE with emphasis on stylistic trends, the social functions of Greek art and material objects, and the relationship between art and various aspects of Greek life and thought.

**ARTH 3353 Roman Art and Archaeology (3)**

Cross-listed as CLA 3353  
Pre-requisite(s): ART 2302; and upper-level standing or consent of instructor  
Roman art and archaeology, beginning with the Etruscans and Archaic Rome, to the end of the fourth century CE. The social and political functions of objects and architecture are highlighted within historical and cultural contexts.

**ARTH 3354 Medieval Art and Architecture (3)**

Pre-requisite(s): ARTH 2302 or consent of instructor  
Art created between the fourth and the fourteenth centuries with an emphasis on architecture.

**ARTH 3356 Nineteenth-Century Art History (3)**

Pre-requisite(s): ARTH 2303 or consent of instructor  
Art of nineteenth-century Europe focusing on technique and style with political and social contexts.

**ARTH 3357 Baroque Art History (3)**

Pre-requisite(s): ARTH 2303  
Seventeenth-century painting, sculpture and architecture with Italy as the vanguard country. Significant attention given to Spain and includes paintings from France, Flanders, and Holland.

**ARTH 3359 Northern Renaissance Art (3)**

Pre-requisite(s): ARTH 2302 and 2303 Art of northern Europe in the fifteenth and sixteenth centuries  
Special attention will be given to the painters Van Eyck, Dürer, and Bruegel.

**ARTH 3369 Eighteenth-Century European Art (3)**

Pre-requisite(s): ART 2303 or consent of instructor  
Art of eighteenth-century Europe focusing on technique and style with political and social contexts.

**ARTH 3370 Key Monuments in European Art (3)**

Pre-requisite(s): ARTH 2302 and 2303  
Selected examples of art studies in situ in art centers of Europe, supplemented by readings, lectures, and collected illustrations and catalogs.

**ARTH 3375 Art History Methods and Theory (3)**

Pre-requisite(s): ARTH 2302 and 2303  
Primary methods and theories used in the study of the history of art.

**ARTH 3390 Philosophy and the Arts (3)**

Cross-listed as PHI 3322  
See PHI 3322 for course information.

**ARTH 3391 Women in Modern and Contemporary Art History (3)**

Pre-requisite(s): ART 2303 or consent of instructor  
Major female artists of the twentieth and twenty-first centuries.

**ARTH 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ARTH 4100 Field Studies in Art History (1)**

Pre-requisite(s): ARTH 2302 and 2303; and consent of department chair  
For Art majors only. Specialized field study with a specific destination for established art and art history students. Includes a research component. Requires concurrent enrollment in a listed co-requisite course. May be repeated four times with a change of content. Course does not apply to major or minor credit hours.

**ARTH 4354 Special Topics in 18th- and 19th-Century Art (3)**

Pre-requisite(s): ART 2303; and upper-level standing or consent of instructor  
A research seminar on a selected topic of 18th- or 19th-century art. Subject varies year to year. May be repeated once with a change in content.

**ARTH 4355 Special Topics in Modern and Contemporary Art History (3)**

Pre-requisite(s): ARTH 2302 and 2303; and upper-level standing  
A research seminar on a selected major artist or topic of early modern European art. Subject varies year to year. May be repeated once with a change in content.

**ARTH 4356 Modern American Art (3)**

Pre-requisite(s): ARTH 2302 and 2303; upper-level standing  
Artistic expression in the United States from 1900 to 1945.

**ARTH 4357 American Art (3)**

Pre-requisite(s): ARTH 2302 and 2303; and upper-level standing  
Artistic expression in the United States from the Colonial Period to 1900.

**ARTH 4358 Contemporary Art History (3)**

Pre-requisite(s): ARTH 2303, upper-level standing or consent of instructor  
A research seminar focused on the major trends in painting, sculpture, printmaking, performance, video, installation, and conceptual art from the 1960s to the present.



**ARTH 4359 Special Topics in Art History (3)**

Pre-requisite(s): ARTH 2302 and 2303; and upper-level standing  
Topics not covered in other courses. Topic announced for semester or session; may emphasize a particular artist, movement, genre, theme, or problem. May be repeated once.

**ARTH 4360 History of Impressionism and Post-Impressionism (3)**

Pre-requisite(s): ART 2303 or consent of instructor  
Art of the Impressionism and Post-Impressionism movements, 1850-1900, focusing on technique and style with social and political contexts.

**ARTH 4361 Greek Painted Pottery (3)**

Cross-listed as CLA 4361  
Pre-requisite(s): ARTH 2302 and upper-level standing or consent of instructor  
Techniques, stylistic changes, and social use and function of Greek painted pottery and its imagery from the Late Aegean Bronze Age through the Late Classical and Early Hellenistic periods. Focus is on vessels in the Archaic and Classical periods.

**ARTH 4362 Modern European Art (3)**

Pre-requisite(s): ARTH 2303; and upper-level standing  
Modern art in Europe from Post-Impressionism to 1945.

**ARTH 4363 Neoclassicism and Romanticism (3)**

Pre-requisite(s): ART 2303; and upper-level standing or consent of instructor  
Art of the Neoclassicism and Romanticism movements, 1750-1850, focusing on technique and style with social and political contexts.

**ARTH 4364 Roman Sculpture (3)**

Cross-listed as CLA 4364  
Pre-requisite(s): ARTH 2302 and upper-level standing  
Roman sculpture from the Republic to Constantine (c. 313 CE) focusing on style and technique with political and social contexts.

**ARTH 4365 Italian Renaissance Art History (3)**

Pre-requisite(s): ARTH 2303; and upper-level standing or permission of instructor  
A selective study of the art of Italy during the Renaissance period (c. 1300-1550) as seen within its historical context. Emphasis on the art of Florence and Rome.

**ARTH 4366 Mannerism (3)**

Pre-requisite(s): ARTH 2303 and upper-level standing or consent of instructor  
A specialized study of Mannerism (c.1520-85) painting as a transition between the Renaissance and Baroque periods in Italy. Emphasis on the cities of Florence and Rome.

**ARTH 4367 Special Topics in Italian Renaissance and Baroque Art History (3)**

Pre-requisite(s): ARTH 2303; and upper-level standing or consent of instructor  
A specialized study of a major artist(s) or topic of Italian Renaissance or Baroque art. Subject varies year to year. May be repeated once with a change of content.

**ARTH 4368 Special Topics in Greek and Roman Art and Archaeology (3)**

Cross-listed as CLA 4368  
Pre-requisite(s): ARTH 2302; and upper-level standing or consent of instructor  
A research seminar on Greek or Roman Art and Architecture. May be repeated once with a change of content.

**ARTH 4369 Greek and Roman Sport and Spectacle (3)**

Cross-listed as CLA 4369  
Pre-requisite(s): ART 2302; and upper-level standing or consent of instructor  
History, origins, and political and social functions of sport and spectacle in Greece and Rome viewed through art, architecture, and material culture.

**ARTH 4370 The Art of Michelangelo and His Contemporaries (3)**

Pre-requisite(s): ARTH 2303; and upper-level standing or instructor permission  
The sources, development, style and meaning of Michelangelo's art and the art of his sixteenth-century contemporaries within the historical context.

**ARTH 4396 Internship in Art History (3)**

Pre-requisite(s): ARTH 2302, 2303; upper-level standing; and consent of department chair  
A field experience under the supervision of qualified museum or gallery personnel, which will make it possible for the student to receive on-the-job training in an area of art history.

**ARTH 4399 Senior Thesis in Art History (3)**

Pre-requisite(s): Consent of instructor and department chair  
Thesis preparing qualified seniors for graduate work in art history.

**ARTH 43C1 Aesthetic Perception and Experience (3)**

Cross-listed as ENG 43C1, MUS 43C1  
See ENG 43C1 for course information.

**ARTH 4V91 Special Problems in Art History (1-9)**

Pre-requisite(s): ARTH 2302 and 2303; and upper-level standing; and consent of instructor and department chair  
For Art majors only. Qualified students with established success in art history may research and report on special areas or topics in art history. May be repeated once with a change in content.

**ARTH 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Studio Art, B.A.

### Requirements for a Major in Studio Art

| Code  | Title                    | Hours |
|---|--------------------------|-------|
| Forty-two semester hours including the following: |                          |       |
| <b>Required Courses</b>                           |                          |       |
| ART 1310  | Drawing I                | 3     |
| ART 1314  | 2D Design                | 3     |
| ART 1316  | 3D Design                | 3     |
| ART 2310  | Figure Drawing I         | 3     |
| ARTH 2302   | Survey of Western Art I  | 3     |
| ARTH 2303   | Survey of Western Art II | 3     |
| Select three semester hours from each group:      |                          | 9     |
| <i>Group 1</i>                                    |                          |       |
| ART 3320  | Oil Painting             |       |
| ART 3321  | Acrylic Painting         |       |
| ART 3324  | Intaglio                 |       |
| ART 3325  | Lithography              |       |
| ART 3326  | Relief Printmaking       |       |
| ART 3327  | Screenprinting           |       |

|                             |  |           |
|-----------------------------|--|-----------|
| ART 4320                    | Watercolor Painting                                    |           |
| <b>Group 2</b>              |  |           |
| ART 3340                    | Hand-Built Ceramics                                    |           |
| ART 3344                    | Wood Sculpture   |           |
| ART 3345                    | Metal Sculpture  |           |
| <b>Group 3</b>              |  |           |
| ART 3314                    | Fabric Surface Design                                  |           |
| ART 3315                    | Non-Woven/Off-Loom Fabric Structures                   |           |
| ART 3316                    | Weaving  |           |
| ART 3334                    | Photography I: Introduction to the Camera and Darkroom |           |
| Six semester hours of ARTH  |  | 6         |
| Nine semester hours of SART |  | 9         |
| <b>Total Hours</b>          |  | <b>42</b> |

## Studio Art, B.F.A.

### Requirements for a Major in Studio Art

| Code  | Title                                 | Hours     |
|---|---------------------------------------|-----------|
| Eighty-one semester hours including the following:  |                                       |           |
| <b>Required Courses</b>   |                                       |           |
| ART 1310  | Drawing I <sup>1</sup>                | 3         |
| ART 1311  | Drawing II <sup>1</sup>               | 3         |
| ART 1314  | 2D Design <sup>1</sup>                | 3         |
| ART 1316  | 3D Design <sup>1</sup>                | 3         |
| ART 2310  | Figure Drawing I <sup>1</sup>         | 3         |
| ARTH 2302   | Survey of Western Art I <sup>1</sup>  | 3         |
| ARTH 2303   | Survey of Western Art II <sup>1</sup> | 3         |
| <b>Art History</b>  |                                       |           |
| Nine semester hours of ARTH courses   |                                       | 9         |
| <b>Concentrations</b>   |                                       |           |
| Fifty-one semester hours, as specified, in one of the following concentrations:   |                                       | 51        |
| Ceramic Design (p. 79)  |                                       |           |
| Fabric Design (p. 79)   |                                       |           |
| Graphic Design (p. 80)  |                                       |           |
| Painting (p. 80)  |                                       |           |
| Photography (p. 80)   |                                       |           |
| Printmaking (p. 81)   |                                       |           |
| Sculpture (p. 81)   |                                       |           |
| <b>Additional Requirement</b>   |                                       |           |
| Candidates admitted to the BFA program must have a 3.0 GPA in all ART and ARTH courses in order to graduate with the BFA. |                                       |           |
| <b>Total Hours</b>  |                                       | <b>81</b> |

<sup>1</sup> After completion of ART 1310 Drawing I, ART 1311 Drawing II, ART 1314 2D Design, ART 1316 3D Design, and ARTH 2302 Survey of Western Art I or ARTH 2303 Survey of Western Art II, usually in the second semester, students must formally apply for admission to the BFA. To be considered for admission, students must have a 3.0 average GPA in all ART courses and should submit a portfolio of 12 works, composed of three pieces each from ART 1310 Drawing I, ART 1311 Drawing II, ART 1314 2D Design, and ART 1316 3D Design. The work will be judged by a committee of faculty in the Department

of Art and Art History. If the work is judged to be of sufficient quality and the GPA requirement is met, students will be admitted as candidates for the BFA. If the student work is insufficient, or the GPA is insufficient, the student may receive a one semester deferral to address weaknesses noted. If the work is judged insufficient a second time, no further applications may be made and the student will remain in the BA program in Studio Art. Candidates admitted to the BFA program must have a 3.0 GPA in all ART courses in order to graduate with the BFA.

## Studio Art Concentration

### Requirements for a Concentration in Ceramic Design

| Code  | Title  | Hours     |
|---|--|-----------|
| <b>Concentration Requirements</b>               |  |           |
| ART 3315  | Non-Woven/Off-Loom Fabric Structures                   | 3         |
| ART 3320  | Oil Painting   | 3         |
| or ART 3321                                     | Acrylic Painting                                       |           |
| ART 3334  | Photography I: Introduction to the Camera and Darkroom | 3         |
| ART 3340  | Hand-Built Ceramics                                    | 3         |
| ART 3341  | Wheel-Thrown Ceramics                                  | 3         |
| ART 3344  | Wood Sculpture   | 3         |
| ART 3345  | Metal Sculpture  | 3         |
| ART 4340  | Advanced Ceramics I                                    | 3         |
| ART 4341  | Advanced Ceramics II                                   | 3         |
| ART 4342  | Advanced Ceramics III                                  | 3         |
| ART 4343  | Advanced Ceramics IV                                   | 3         |
| Select three semester hours from the following: |  | 3         |
| ART 3324  | Intaglio   |           |
| ART 3325  | Lithography  |           |
| ART 3326  | Relief Printmaking                                     |           |
| ART 3327  | Screenprinting   |           |
| Fifteen semester hours of ART courses           |  | 15        |
| <b>Total Hours</b>                              |  | <b>51</b> |

## Studio Art Concentration

### Requirements for a Concentration in Fabric Design

| Code                              | Title  | Hours |
|-----------------------------------|--|-------|
| <b>Concentration Requirements</b> |  |       |
| ART 3314                          | Fabric Surface Design                                  | 3     |
| ART 3315                          | Non-Woven/Off-Loom Fabric Structures                   | 3     |
| ART 3316                          | Weaving  | 3     |
| ART 3320                          | Oil Painting   | 3     |
| or ART 3321                       | Acrylic Painting                                       |       |
| ART 3330                          | Typography and Conceptual Development                  | 3     |
| ART 3334                          | Photography I: Introduction to the Camera and Darkroom | 3     |
| ART 3340                          | Hand-Built Ceramics                                    | 3     |
| or ART 3341                       | Wheel-Thrown Ceramics                                  |       |
| ART 3344                          | Wood Sculpture   | 3     |

|   |                           |           |
|---|---------------------------|-----------|
| or ART 3345                                     | Metal Sculpture           |           |
| ART 4313  | Advanced Fabric Design I  | 3         |
| ART 4314  | Advanced Surface Design   | 3         |
| ART 4316  | Advanced Fabric Design II | 3         |
| Select three semester hours from the following: |                           | 3         |
| ART 3324  | Intaglio                  |           |
| ART 3325  | Lithography               |           |
| ART 3326  | Relief Printmaking        |           |
| ART 3327  | Screenprinting            |           |
| Fifteen semester hours of ART courses           |                           | 15        |
| <b>Total Hours</b>                              |                           | <b>51</b> |

## Studio Art Concentration Requirements for a Concentration in Graphic Design

| Code  | Title   | Hours     |
|---|---|-----------|
| <b>Concentration Requirements</b>               |   |           |
| ART 3320  | Oil Painting  | 3         |
| or ART 3321                                     | Acrylic Painting  |           |
| ART 3330  | Typography and Conceptual Development                                   | 3         |
| ART 3332  | Digital Imaging for Graphic Design                                      | 3         |
| ART 3333  | Publication Design  | 3         |
| ART 3334  | Photography I: Introduction to the Camera and Darkroom                  | 3         |
| ART 3336  | Photography II: Introduction to Digital Photography and the Digital Lab | 3         |
| ART 3340  | Hand-Built Ceramics   | 3         |
| or ART 3341                                     | Wheel-Thrown Ceramics   |           |
| ART 3344  | Wood Sculpture  | 3         |
| or ART 3345                                     | Metal Sculpture   |           |
| ART 4329  | Web Design  | 3         |
| ART 4331  | Package Design  | 3         |
| ART 4332  | Identity Design   | 3         |
| ART 4333  | Portfolio Preparation   | 3         |
| MKT 3320  | Advertising Procedures  | 3         |
| Select three semester hours from the following: |   | 3         |
| ART 3314  | Fabric Surface Design   |           |
| ART 3315  | Non-Woven/Off-Loom Fabric Structures                                    |           |
| ART 3316  | Weaving   |           |
| Select three semester hours from the following: |   | 3         |
| ART 3324  | Intaglio  |           |
| ART 3325  | Lithography   |           |
| ART 3326  | Relief Printmaking  |           |
| ART 3327  | Screenprinting  |           |
| Six semester hours of ART courses               |   | 6         |
| <b>Total Hours</b>                              |   | <b>51</b> |

## Studio Art Concentration Requirements for a Concentration in Painting

| Code  | Title  | Hours     |
|---|--|-----------|
| <b>Concentration Requirements</b>               |  |           |
| ART 2311  | Figure Drawing II                                      | 3         |
| ART 3320  | Oil Painting   | 3         |
| ART 3321  | Acrylic Painting                                       | 3         |
| ART 3334  | Photography I: Introduction to the Camera and Darkroom | 3         |
| ART 3340  | Hand-Built Ceramics                                    | 3         |
| or ART 3341                                     | Wheel-Thrown Ceramics                                  |           |
| ART 3344  | Wood Sculpture   | 3         |
| or ART 3345                                     | Metal Sculpture  |           |
| ART 4320  | Watercolor Painting                                    | 3         |
| ART 4321  | Advanced Painting I                                    | 3         |
| ART 4322  | Advanced Painting II                                   | 3         |
| ART 4323  | Advanced Painting III                                  | 3         |
| Select three semester hours from the following: |  | 3         |
| ART 3314  | Fabric Surface Design                                  |           |
| ART 3315  | Non-Woven/Off-Loom Fabric Structures                   |           |
| ART 3316  | Weaving  |           |
| Select six semester hours from the following:   |  | 6         |
| ART 3324  | Intaglio   |           |
| ART 3325  | Lithography  |           |
| ART 3326  | Relief Printmaking                                     |           |
| ART 3327  | Screenprinting   |           |
| Twelve semester hours of ART courses            |  | 12        |
| <b>Total Hours</b>                              |  | <b>51</b> |

## Studio Art Concentration Requirements for a Concentration in Photography

| Code                              | Title   | Hours |
|-----------------------------------|---|-------|
| <b>Concentration Requirements</b> |   |       |
| ART 3320                          | Oil Painting  | 3     |
| or ART 3321                       | Acrylic Painting  |       |
| ART 3330                          | Typography and Conceptual Development                                   | 3     |
| ART 3332                          | Digital Imaging for Graphic Design                                      | 3     |
| ART 3334                          | Photography I: Introduction to the Camera and Darkroom                  | 3     |
| ART 3336                          | Photography II: Introduction to Digital Photography and the Digital Lab | 3     |
| ART 3339                          | Medium and Large Format Photography                                     | 3     |
| ART 3340                          | Hand-Built Ceramics   | 3     |
| or ART 3341                       | Wheel-Thrown Ceramics   |       |
| ART 3344                          | Wood Sculpture  | 3     |
| or ART 3345                       | Metal Sculpture   |       |
| ART 4335                          | Advanced Photography: Digital   | 3     |
| ART 4336                          | Advanced Photography: Special Topics                                    | 3     |

|   |  |           |
|---|--|-----------|
| ART 4337  | Advanced Photography: Portfolio and Exhibition | 3         |
| Select three semester hours from the following: |  | 3         |
| ART 3314  | Fabric Surface Design                          |           |
| ART 3315  | Non-Woven/Off-Loom Fabric Structures           |           |
| ART 3316  | Weaving  |           |
| Select three semester hours from the following: |  | 3         |
| ART 3324  | Intaglio                                       |           |
| ART 3325  | Lithography                                    |           |
| ART 3326  | Relief Printmaking                             |           |
| ART 3327  | Screenprinting                                 |           |
| Twelve semester hours of ART courses            |  | 12        |
| <b>Total Hours</b>                              |  | <b>51</b> |

## Studio Art Concentration

### Requirements for a Concentration in Printmaking

| Code  | Title  | Hours     |
|---|--|-----------|
| <b>Concentration Requirements</b>               |  |           |
| ART 2311  | Figure Drawing II                                      | 3         |
| ART 3320  | Oil Painting   | 3         |
| ART 3321  | Acrylic Painting                                       | 3         |
| ART 3324  | Intaglio   | 3         |
| ART 3325  | Lithography  | 3         |
| ART 3326  | Relief Printmaking                                     | 3         |
| ART 3327  | Screenprinting   | 3         |
| ART 3334  | Photography I: Introduction to the Camera and Darkroom | 3         |
| ART 3340<br>or ART 3341                         | Hand-Built Ceramics<br>Wheel-Thrown Ceramics           | 3         |
| ART 3344<br>or ART 3345                         | Wood Sculpture<br>Metal Sculpture                      | 3         |
| ART 4324  | Advanced Printmaking I                                 | 3         |
| ART 4325  | Advanced Printmaking II                                | 3         |
| Select three semester hours from the following: |  | 3         |
| ART 3314  | Fabric Surface Design                                  |           |
| ART 3315  | Non-Woven/Off-Loom Fabric Structures                   |           |
| ART 3316  | Weaving  |           |
| Twelve semester hours of ART courses            |  | 12        |
| <b>Total Hours</b>                              |  | <b>51</b> |

## Studio Art Concentration

### Requirements for a Concentration in Sculpture

| Code                              | Title  | Hours |
|-----------------------------------|--|-------|
| <b>Concentration Requirements</b> |  |       |
| ART 3320<br>or ART 3321           | Oil Painting<br>Acrylic Painting                       | 3     |
| ART 3334                          | Photography I: Introduction to the Camera and Darkroom | 3     |

|   |                                      |           |
|---|--------------------------------------|-----------|
| ART 3340  | Hand-Built Ceramics                  | 3         |
| ART 3341  | Wheel-Thrown Ceramics                | 3         |
| ART 3344  | Wood Sculpture                       | 3         |
| ART 3345  | Metal Sculpture                      | 3         |
| ART 4344  | Advanced Sculpture I                 | 3         |
| ART 4345  | Advanced Sculpture II                | 3         |
| ART 4346  | Advanced Sculpture III               | 3         |
| ART 4347  | Advanced Sculpture IV                | 3         |
| Select three semester hours from the following: |                                      | 3         |
| ART 3314  | Fabric Surface Design                |           |
| ART 3315  | Non-Woven/Off-Loom Fabric Structures |           |
| ART 3316  | Weaving                              |           |
| Select three semester hours from the following: |                                      | 3         |
| ART 3324  | Intaglio                             |           |
| ART 3325  | Lithography                          |           |
| ART 3326  | Relief Printmaking                   |           |
| ART 3327  | Screenprinting                       |           |
| Fifteen semester hours of ART courses           |                                      | 15        |
| <b>Total Hours</b>                              |                                      | <b>51</b> |

## Studio Art Minor

### Requirements for a Minor in Studio Art

| Code   | Title                   | Hours     |
|--|-------------------------|-----------|
| Eighteen semester hours including the following: |                         |           |
| <b>Required Courses</b>                          |                         |           |
| ART 1310   | Drawing I               | 3         |
| ART 1314   | 2D Design               | 3         |
| ARTH 2302  | Survey of Western Art I | 3         |
| or ARTH 2302                                     | Survey of Western Art I |           |
| Nine semester hours of 3000-4000 ART courses     |                         | 9         |
| <b>Total Hours</b>                               |                         | <b>18</b> |

## Art History, B.A.

### Requirements for a Major in Art History

| Code  | Title                     | Hours |
|---|---------------------------|-------|
| Thirty-six semester hours including the following:                    |                           |       |
| <b>Required Courses</b>   |                           |       |
| ART 1310  | Drawing I                 | 3     |
| ART 1314  | 2D Design                 | 3     |
| ART 1316  | 3D Design                 | 3     |
| ARTH 2302   | Survey of Western Art I   | 3     |
| ARTH 2303   | Survey of Western Art II  | 3     |
| Three semester hours of ARTH from each of the following time periods: |                           | 9     |
| <i>Greek to Roman</i>   |                           |       |
| ARTH 3352   | Greek Art and Archaeology |       |
| ARTH 3353   | Roman Art and Archaeology |       |
| ARTH 4361   | Greek Painted Pottery     |       |
| ARTH 4364   | Roman Sculpture           |       |

|  |   |           |
|--|---|-----------|
| ARTH 4368  | Special Topics in Greek and Roman Art and Archaeology         |           |
| ARTH 4369  | Greek and Roman Sport and Spectacle                           |           |
| <i>Renaissance to Baroque</i>                                      |   |           |
| ARTH 3357  | Baroque Art History   |           |
| ARTH 3359  | Northern Renaissance Art                                      |           |
| ARTH 4365  | Italian Renaissance Art History                               |           |
| ARTH 4366  | Mannerism   |           |
| ARTH 4367  | Special Topics in Italian Renaissance and Baroque Art History |           |
| ARTH 4370  | The Art of Michelangelo and His Contemporaries                |           |
| <i>1800 to Present</i>   |   |           |
| ARTH 3356  | Nineteenth-Century Art History                                |           |
| ARTH 3369  | Eighteenth-Century European Art                               |           |
| ARTH 4360  | History of Impressionism and Post-Impressionism               |           |
| ARTH 4354  | Special Topics in 18th- and 19th-Century Art                  |           |
| ARTH 4355  | Special Topics in Modern and Contemporary Art History         |           |
| ARTH 4356  | Modern American Art   |           |
| ARTH 4357  | American Art  |           |
| ARTH 4358  | Contemporary Art History                                      |           |
| ARTH 4362  | Modern European Art   |           |
| ARTH 4363  | Neoclassicism and Romanticism                                 |           |
| Twelve semester hours of 3000-4000 level ARTH courses <sup>1</sup> |   | 12        |
| <b>Subtotal</b>  |   | <b>36</b> |
| <b>Required Course in Other Fields</b>                             |   |           |
| ANT 1305   | Introduction to Anthropology                                  | 3         |
| <b>Recommended Course in Other Fields</b>                          |   |           |
| PHI 3322/<br>ARTH 3390   | Philosophy and the Arts                                       |           |
| <b>Total Hours</b>   |   | <b>39</b> |

<sup>1</sup> ARTH 4399 Senior Thesis in Art History is recommended for those planning to pursue graduate studies.

## Art History Minor

### Requirements for a Minor in Art History

| Code   | Title                    | Hours     |
|--|--------------------------|-----------|
| Eighteen semester hours including the following: |                          |           |
| <b>Required Courses</b>                          |                          |           |
| ART 1314   | 2D Design                | 3         |
| ARTH 2302  | Survey of Western Art I  | 3         |
| ARTH 2303  | Survey of Western Art II | 3         |
| Nine semester hours of 3000-4000 ARTH courses    |                          | 9         |
| <b>Total Hours</b>                               |                          | <b>18</b> |

## Joint Bachelor of Arts With Master of Arts in Museum Studies

To earn a joint BA in Art History or Studio Art and MA in Museum Studies, a student must complete all requirements for the BA degree with a major in Art History or Studio Art, as well as additional coursework at the graduate level. (See the Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/museum-studies/joint-ba-select-majorsma-museum-studies/>) for details of graduate requirements, including eligibility and admissions.)

## Joint Bachelor of Arts/Master of Arts in Teaching (with Teacher Certification)

To earn the joint BA/MAT in Art History or Studio Art, a student must complete all basic requirements for the BA degree with a major in Art History or Studio Art, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission.)

## Joint Bachelor of Fine Arts/Master of Arts in Teaching (with Teacher Certification)

To earn the joint BFA/MAT in Studio Art, a student must complete all basic requirements for the BFA degree with a major in Studio Art, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission.)

## Biology

Studying biology at Baylor is a journey that will give you a new perspective on the world. You will learn from a variety of biologists; some who study life at the molecular or cellular level, and others focus on the ecological and environmental questions concerning entire communities and ecosystems.

Baylor biologists recognize that the scientific process is a tool that can be used to understand the workings of the natural world and to solve many concerns of our time. We strive to teach students to become excellent observers and to develop a creative eye for the applications of biology.

An understanding of biological science prepares you to be an investigator of living things at many levels. This translates into careers in healthcare, education, biotechnology, ecology, and many other areas.

### Health Professions

Students who are interested in careers in medicine, dentistry, veterinary medicine, pharmacy, or physician assistantship are encouraged to pursue a major in biology. The requirements of each of the concentrations in biology align closely with prerequisites for professional programs, and the intensive study of biology is advantageous for success therein. Based on a close examination of the trajectory of prior students, the Department of Biology strongly suggests that only those students who earn "B" grades in either BIO 1305 Modern Concepts of Bioscience - BIO 1105 Modern Concepts of Bioscience Laboratory or BIO 1405 Investigations of Modern Biology Concepts I and



either BIO 1306 Modern Concepts of Bioscience, continued - BIO 1106 Modern Concepts of Bioscience Laboratory or BIO 1406 Investigations of Modern Biology Concepts II continue to pursue professional school acceptance as a primary goal of undergraduate education. Students who perform below this level are generally not competitive applicants for professional schools. Students who are interested in graduate programs in biology are encouraged to maintain an in-major GPA at or above 3.0.

Prehealthcare students are urged to communicate regularly with the Office of PreHealth Programs.

### Graduate School and Research Careers

Students who are interested in careers in wildlife biology, nature conservancy, water quality preservation, biotechnology, molecular medicine (including careers in the pharmaceutical industry, genetic counseling, and clinical laboratory science), food science, computational biology, global health advocacy, clinical trials coordination, and research science more broadly are encouraged to pursue a major in biology.

Examples of research science disciplines pursued by biologists include evolutionary biology, pharmacology, cancer biology, neuroscience, genetics, genomics, bioinformatics, entomology, parasitology, virology, microbiology and antibiotic resistance, wildlife and human epidemiology, wildlife physiology, climate change biology and sustainability research, aquatic biology, marine biology, environmental science, botany, tropical disease biology, and public health. The requirements of each concentration in biology align closely with prerequisites for graduate research programs. The intensive study of biology along with an undergraduate research track record are essential for successful entry into graduate research programs. Students who are interested in careers in biology are encouraged to stay in regular contact with the College of Arts & Sciences Advisement Office, the Office of Career and Professional Development as well as faculty in the Department of Biology.

- Biology (Cell and Molecular Biology), B.S. (p. 88)
- Biology (Integrative Biology), B.S. (p. 89)
- Biology (Biology of Global Health), B.S. (p. 90)
- Biology (Science Education), B.S. (p. 91)
- Biology - Secondary Major (p. 92)
- Biology Minor (p. 93)
- Joint Bachelor of Science/Master of Arts in Teaching (p. 93)

### Program Requirements

Either BIO 1305 - BIO 1105 or BIO 1405; and either BIO 1306 - BIO 1106 or BIO 1406, all with grades of "C" or better, are prerequisites for all "2000" and above level courses in biology, with the exception of BIO 2401 and BIO 2402. Non-biology majors are held to the same prerequisite standards as biology majors. BIO 1102, BIO 1302, BIO 1401, BIO 1303, BIO 2401, and BIO 2402 cannot be used to satisfy the minimum number of semester hours required for a major in biology; BIO 1401 and BIO 1303 do not count in the minimum hours for a minor in biology. A maximum of three semester hours of BIO 3V9R and a maximum of three semester hours of BIO 4V9R may be applied toward a major or minor in biology.

Students interested in biology as a major can select the Biology designation upon enrollment at Baylor. However, students who have not met the criteria listed below by 60 hours in residence will not advance in the biology major and must change degree programs. To advance in the major, a student must meet the following criteria:

1. Complete with grades of "C" or better either BIO 1305 - BIO 1105 or BIO 1405; and

either BIO 1306 - BIO 1106 or BIO 1406; or their equivalents. A grade of "C-" or lower is not acceptable.

2. Students may transfer credit for these courses as long as the courses were taken prior to matriculation at Baylor.
3. Students may repeat each of the introductory (BIO 1305 - BIO 1105, BIO 1405, BIO 1306 - BIO 1106, BIO 1406) courses only once if they fail to earn a "C" or better the first time they take the course. Withdrawing from the course counts as one of the two allowed attempts.
4. Current Baylor students must have a minimum 3.3 cumulative GPA and at least 12 hours in residence to request to major in Biology.

Students who have not satisfied these requirements by the time they complete 60 hours in residence will not advance in the biology major and must change degree programs.

Students majoring in biology will need to select a concentration in Biology (Integrative Biology, Cell and Molecular Biology, Science Education, or Biology of Global Health - see additional admission requirements under Biology of Global Health concentration) before completing 60 hours in residence. Students may not select their concentration until after completing the first-year sequence in biology: BIO 1305 & BIO 1105 or BIO 1405; and BIO 1306 & BIO 1106 or BIO 1406. Therefore, it is imperative that students interested in majoring in biology complete the first-year sequence before completing 60 hours at Baylor.

**Note:** As with all courses that count on a biology degree, students must earn a grade of "C" or higher in these introductory courses. A grade of "C-" or below is not sufficient for any course in the biology major. Moreover, in the event that a student does not earn at least a "C" (including a "W") in any of the first-year sequence BIO courses, only one additional attempt is allowed.

### Transfer Students

Transfer students desiring to enter Baylor to major in Biology must have a minimum 3.50 external GPA. Students who transfer credit to Baylor with credit on record for BIO 1305 - BIO 1105 or BIO 1405 and BIO 1306 - BIO 1106 or BIO 1406 will be eligible to declare biology as a major and select a concentration upon initial enrollment at Baylor provided they have earned a C or higher in these courses. Students who earn a score of 5 on the AP examination in biology will be eligible to declare biology (all concentrations) as a major upon enrollment.

## Biology (BIO)

### BIO 1102 Introductory Microbiology Laboratory (1)

Co-requisite(s): BIO 1302

Pre-requisite(s): Credit or concurrent enrollment in BIO 1302

Isolation, culture, morphology, and biochemical activities of microorganisms. Aseptic technique, microbiological staining, environmental sampling, and identification of unknown organisms will be covered. Does not count toward a major in Biology.

### BIO 1103 Human Ecology Lab: Our Place in Nature (1)

Pre-requisite(s): Credit for or concurrent enrollment in BIO 1303

Laboratory experiments illustrating topics in human ecology such as biodiversity, population growth, and conservation.

**BIO 1105 Modern Concepts of Bioscience Laboratory (1)**

Pre-requisite(s): BIO 1305 or concurrent enrollment

Laboratory experiments illustrating modern concepts in the biological sciences, with emphasis on cell biology, metabolism, and genetics. A student will be granted a maximum of two attempts (where an earned grade or a "W" notation counts as an attempt) to earn a higher grade in BIO 1105 in order to fulfill a prerequisite or a course requirement for a degree, major, or minor.

**BIO 1106 Modern Concepts of Bioscience Laboratory (1)**

Pre-requisite(s): BIO 1306 or concurrent enrollment

Laboratory experiments illustrating modern concepts in the biological sciences, with emphasis on morphology, general physiology, and ecology. A student will be granted a maximum of two attempts (where an earned grade or a "W" notation counts as an attempt) to earn a higher grade in BIO 1106 in order to fulfill a prerequisite or a course requirement for a degree, major, or minor.

**BIO 1125 Biological Research Preparedness (1)**

An examination of the types of biological research, including an introduction to the research faculty and facilities of the Department of Biology, experimental design, safety and ethics in research, analysis of scientific data, and writing in the sciences. A discussion of career planning is included.

**BIO 1302 Introductory Microbiology (3)**

Co-requisite(s): BIO 1102

Pre-requisite(s): Credit for college-level biology or chemistry course (includes AP and/or IB credit) or consent of instructor  
Credit or concurrent enrollment in BIO 1102. Introduction to microbiology including the study of microbial growth, control of growth, microbial genetics, virulence factors, epidemiology, and the wide variety of contributions microbes make to quality of life. Does not count toward a major in biology.

**BIO 1303 Human Ecology: Our Place in Nature (3)**

Ecological issues in the media, including ecosystems and biodiversity. For non-majors.

**BIO 1305 Modern Concepts of Bioscience (3)**

Unifying principles common to all levels of biological organization, with emphasis on cell biology, metabolism, and genetics. BIO 1305 is not a prerequisite for BIO 1306. A student will be granted a maximum of two attempts (where an earned grade or a "W" notation counts as an attempt) to earn a higher grade in BIO 1305 in order to fulfill a prerequisite or a course requirement for a degree, major, or minor.

**BIO 1306 Modern Concepts of Bioscience, continued (3)**

Pre-requisite(s): BIO 1305 and BIO 1105; or BIO 1405 all with a C or better

Continuation of the study of biological concepts with emphasis on morphology, general physiology, evolution, and ecology. A student will be granted a maximum of two attempts (where an earned grade or a "W" notation counts as an attempt) to earn a higher grade in BIO 1306 in order to fulfill a prerequisite or a course requirement for a degree, major, or minor.

**BIO 1401 Current Issues in Human Biology (4)**

An introductory course for non-biology majors examining biological issues in the current media, focusing primarily on the human subject.

**BIO 1405 Investigations of Modern Biology Concepts I (4)**

Pre-requisite(s): Consent of instructor

Biological concepts with emphasis on cell biology, metabolism, and genetics. Students will work in small groups on inquiry-based projects in the area of microbiology, genetics, molecular biology, and genomics. Credit may not be received after receiving credit in BIO 1305 and BIO 1105. A student will be granted a maximum of two attempts (where an earned grade or a "W" notation counts as an attempt) to earn a higher grade in BIO 1405 in order to fulfill a prerequisite or a course requirement for a degree, major, or minor.

**BIO 1406 Investigations of Modern Biology Concepts II (4)**

Pre-requisite(s): Consent of instructor

Biological concepts with emphasis on morphology, general physiology, evolution, and ecology. Includes field trips and small-group, hypothesis-based projects that will require outside class time. Credit may not be received after receiving credit in BIO 1306 and BIO 1106. A student will be granted a maximum of two attempts (where an earned grade or a "W" notation counts as an attempt) to earn a higher grade in BIO 1406 in order to fulfill a prerequisite or a course requirement for a degree, major, or minor.

**BIO 1V90 Individual Topics (1-9)**

Pre-requisite(s): Consent of instructor and department chair

For undergraduates who wish to study individual topics not available in formal courses of the department. Directed reading, independent study or research, supervised library, laboratory or fieldwork, or presentation of material. Open project, which must be approved by the director. May be repeated once when different topics are studied.

**BIO 1V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**BIO 2106 Genetics Laboratory (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and BIO 2306 or concurrent enrollment in BIO 2306  
Laboratory studies illustrating the principles of genetics in living organisms.

**BIO 2201 Biology of Global Health (2)**

Pre-requisite(s): BIO 1105 and 1305, or BIO 1405; and BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Explores the interdisciplinary nature of global health challenges and identifies biological principles that explain the emergence, virulence, and spread of infectious diseases.

**BIO 2306 Genetics (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Basic principles of genetics including Mendelian inheritance, molecular genetics, and population genetics.

**BIO 2401 Human Anatomy and Physiology of Motion and Innervation (4)**

Pre-requisite(s): CHE 1300 or 1301; or consent of instructor

The organization and movement of the human body and mechanisms for maintaining homeostasis via innervation. Topics include the integumentary, skeletal, muscular, and nervous systems. Emphasis is placed on the integration of systems as they relate to normal health. Designed for students who will pursue a career in nursing, nutrition science, and other health fields. Will not apply toward requirements for a major in biology.

**BIO 2402 Human Anatomy and Physiology of Metabolism and Processing (4)**

Pre-requisite(s): CHE 1300 or 1301 and credit for college-level BIO course (includes AP and/or IB credit)

The organization of the human body as related to metabolic processes and reproduction. Topics include the endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems. Aspects of development and inheritance are also covered. Will not apply toward requirements for a major in biology.

**BIO 2V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**BIO 3100 Seminar in Biology (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and junior or senior level standing or consent of instructor

Contemporary topics in biological sciences. Requirements may include directed readings and discussions of advanced topics in biology, attendance at public seminars, presentations, and preparation of a research paper.

**BIO 3103 Ecology Laboratory (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 3303 or concurrent enrollment in BIO 3303

Field and laboratory experiences in ecological investigations.

**BIO 3110 Biology Education Theory (1)**

Co-requisite(s): BIO 3111

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of B or better  
Instructor approval required. Must also enroll in BIO 3111. Pedagogy course that integrates current learning theory and evidence-based teaching for the Learning Assistant Program.

**BIO 3111 Learning Assistant Planning and Practice (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of B or better  
Credit or concurrent enrollment in BIO 3110. Instructor approval required. Application of pedagogical techniques developed in BIO 3110 through the design of active learning content and the practice of student engagement in a classroom setting. May be repeated once for credit.

**BIO 3122 Human Physiology Lab (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and credit or concurrent enrollment in BIO 3322

Laboratory applies conceptual ideas through the collection and analysis of real time human data, including reaction times, electrocardiograms, electromyograms, spirometry and urinalysis.

**BIO 3124 Laboratory for Entomology (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and credit or concurrent enrollment in BIO 3324; upper-level standing, and consent of instructor

Collection, preservation, identification of insects. Collection required.

**BIO 3300 Advanced Topics in Biology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Advanced topics in biology not covered in other biology courses. Can be repeated once for credit if topic is different.

**BIO 3303 Ecology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Lectures and discussions that illustrate the basic concepts in evolutionary, behavioral population, community, ecosystem, and conservation ecology.

**BIO 3315 Introduction to Environmental Health (3)**

Cross-listed as ENV 3314

See ENV 3314 for course information.

**BIO 3320 Climate Change Biology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Biological and conservation responses to human-induced climate change, emphasizing the climate system, past climate influences, range shifts, phenological changes, extinction, predictive modeling, connectivity and landscape management, reduction of greenhouse gas emissions, and extinction risk from climate change solutions.

**BIO 3322 Human Physiology (3)**

Pre-requisite(s): Overall GPA of 3.0 or better

Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better. Basic physiologic principles and concepts associated with the normal function of human cells, tissues, organs, and organ systems. This course is intended for the pre-profession student who requires a complex survey of human physiology.

**BIO 3324 Entomology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and upper-level standing or consent of instructor  
Taxonomy, morphology, physiology, and behavior of insects.

**BIO 3330 Medical Genetics (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 2106 and 2306; all with grades of C or better

Study of Mendelian principles applied to humans, genetic defects, chromosomal aberrations, biochemical disorders, pedigrees, and probability. Genetic diagnostic techniques, gene therapy, genetic engineering, genetic counseling and the social, ethical, and legal problems associated with recent advances in genetics will be addressed.

**BIO 3341 Marine Field Studies (3)**

Cross-listed as GEO 3341

See GEO 3341 for course information.

**BIO 3342 Molecular Cell Biology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 2306 all with grades of C or better

Students who already have credit for BIO 4307, BIO 4308, or CHE 4341 are not eligible to enroll in BIO 3342. Cell structure and function at the cellular and molecular levels. Topics include molecular components of cell membranes, membrane-bound organelles, cytoskeleton, cell division, gene regulation, and principles of bioenergetics.

**BIO 3350 Genomics and Bioinformatics (3)**

Cross-listed as BINF 3350

See BINF 3350 for course information.

**BIO 3366 Foundations of Evolutionary Biology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and BIO 2306 or consent of instructor

Comprehensive survey of evolutionary biology, including a fundamental framework to address causative issues in the biological sciences, and an understanding of the basic processes contributing to biological diversification.

**BIO 3429 Comparative Chordate Anatomy (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Structural, functional, and evolutionary relationships of the chordates, particularly vertebrates.

**BIO 3435 Invertebrate Paleontology (4)**

Cross-listed as GEO 3435

See GEO 3435 for course information.

**BIO 3V90 Individual Topics (1-6)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and consent of instructor and department chair

Individual topics not available in formal courses of the department. May include independent study or research, directed reading, supervised library, laboratory, or fieldwork, or presentation of material. Open to all undergraduates. Prior to registration the student will choose a project that must be approved by the director. May be repeated when different topics are studied. A maximum of 3 semester hours of Individual Topics may apply toward a major in biology.

**BIO 3V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**BIO 4001 Achievement Test (0)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and senior standing or consent of instructor

Biology achievement test for seniors given during fall and spring semesters. A minimum score is required to receive credit.

**BIO 4102 General Microbiology Lab (1)**

Co-requisite(s): BIO 4302

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Laboratory experiments and techniques to culture microorganisms. Analyses of biochemical tests, quantitative and qualitative procedures, and identification of unknown organisms.

**BIO 4104 Medical Entomology Laboratory (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; upper-level standing and credit or concurrent enrollment in BIO 4304, or consent of instructor

Collection, preservation, identification, taxonomy and biology of medically important arthropods, especially insects. Survey collection required for graduate credit.

**BIO 4105 Aquatic Ecosystems Laboratory (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 3303; all with grades of C or better; and credit or concurrent enrollment in BIO 4305

Laboratory experience in basic field and laboratory methodologies for the study of aquatic ecosystems. Overview of collection, analysis and interpretation of physical, chemical and biological variables commonly used in the field.

**BIO 4106 Molecular Genetics and Genomics Laboratory (1)**

Co-requisite(s): BIO 4306

Pre-requisite(s): Either BIO 2306 or CHE 4341; each with a grade of C or better  
Individual and group projects in computational genomic and genetic analysis using supplied datasets

**BIO 4108 Genes and Development Laboratory (1)**

Co-requisite(s): BIO 4308

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and BIO 2306

Modern experimental techniques of developmental biology.

**BIO 4109 Advanced Study of Genes and Development (1)**

Pre-requisite(s): BIO 4108; consent of instructor required

Experimental techniques of genetics and developmental biology such as genome editing and genotyping taught through laboratory exercises. Includes an independent research project resulting in a publishable manuscript.

**BIO 4117 Plant Physiology Lab (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and BIO 1306, or BIO 1406; all with grades of C or better; and credit or concurrent enrollment in BIO 4317

Laboratory experiments illustrating modern concepts in plant physiological research, with emphases on form, function relationships, technological innovations, and organismal adaptation.

**BIO 4123 Laboratory for Parasitology (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; credit or concurrent enrollment in BIO 4323 and consent of instructor; and upper-level or graduate standing

Detection and identification of human parasite diagnostic forms. Power Point presentation required for graduate credit.

**BIO 4199 Scientific Communication (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Examination of various methods of scientific communication with critical analysis and evaluation of scientific presentations and the current scientific literature.

**BIO 4301 Immunology (3)**

Pre-requisite(s): BIO 2306 and one of the following: BIO 3342, 4306, 4308, or CHE 4341; all with grades of C or better

Basic principles of resistance to disease, host-antigen interactions, immunologic response mechanisms, immunologic techniques, and correlations of disease and the immune response.

**BIO 4302 General Microbiology (3)**

Co-requisite(s): BIO 4102

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

An introduction to the major areas of microbiology, including microbial morphology, metabolism, genetics, evolution, taxonomy, ecology, and disease.



**BIO 4304 Medical Entomology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; upper-level standing or consent of instructor

Identification, biology, and management of arthropod pests, especially insects, transmitting diseases affecting man, livestock and wildlife.

**BIO 4305 Aquatic Ecosystems (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 3303; all with grades of C or better

Major aquatic ecosystems including oceans, estuaries, rivers, streams, lakes, reservoirs, ponds and wetlands. Addresses the fundamental physical, chemical and ecological factors that govern the structure and function of each ecosystem.

**BIO 4306 Molecular Genetics and Genomics (3)**

Co-requisite(s): BIO 4106

Pre-requisite(s): Either BIO 2306 or CHE 4341, each with a grade of C or better

Techniques and strategies central to the analysis of genomic and genetic experimental data with emphasis on experimental design. Training in computational methods such as R and Unix; no previous computing experience is required.

**BIO 4307 Biochemistry and Physiology of the Cell (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and CHE 3331 or consent of instructor; and credit or concurrent enrollment in BIO 2306

The roles of biologically important molecules in cellular structure and function, emphasizing an integrated understanding of the characteristic of the four major classes of biological molecules and the chemical interactions that support living systems. May not receive credit for both BIO 4307 and CHE 4341.

**BIO 4308 Genes and Development (3)**

Co-requisite(s): BIO 4108

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 2306; all with grades of C or better

Examination of mechanisms that regulate the development of multicellular organisms using biochemical genetic and cell biological approaches. Investigates the role that gene regulation, cell-cell communication, cell adhesion, cell motility, signal transduction, and intracellular trafficking play in the commitment, differentiation and assembly of stem cells into specialized cell types and organs.

**BIO 4310 Biogeography (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Patterns of geographic distributions of animals and plants, and the physical and biological factors, and processes affecting geographic distributions.

**BIO 4312 Viruses and Global Health (3)**

Pre-requisite(s): Either BIO 1105 and 1305 or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 2306; all with grades of C or better

Examines virus classification, host cell infection and defenses, and how viruses cause disease in humans and animals. Emphasis placed on how viral epidemics influences history and religion, viral emergence and re-emergence in new locations, zoonotic viruses, the development of antivirals and vaccines, as well as the impact on public health and agriculture.

**BIO 4317 Plant Physiology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Experimental studies of important physical and chemical processes related to plant function.

**BIO 4320 Pathophysiology (3)**

Pre-requisite(s): BIO 3322 with a grade of B or better

Pathophysiology of disease with emphasis on immunology, communicable disease, neoplasia, heredity, congenital problems, and degeneration as expressed in each organ system.

**BIO 4323 Parasitology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; upper-level or graduate standing or consent of instructor

Introduction to study of parasites and vectors, emphasizing life cycles and control of those affecting humans. Research paper required for graduate credit.

**BIO 4331 Science Leadership: Community-Based Research (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and upper-level standing and consent of instructor

Development of science leadership skills through community-based research problems.

**BIO 4333 Science Leadership: Improvement of Science Education (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and upper-level standing and consent of instructor

Development of science leadership skills through community-based research on improvement of science education.

**BIO 4339 Advanced Marine Field Studies (3)**

Cross-listed as GEO 4339

See GEO 4339 for course information.

**BIO 4344 Fundamentals of Toxicology (3)**

Cross-listed as ENV 4344

See ENV 4344 for course information.

**BIO 4350 Pathogenic Microbiology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and BIO 4401

Introduction to medically relevant pathogens with an emphasis on bacterial pathogenesis.

**BIO 4354 Neglected Tropical Diseases (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Core principles in genetics and cellular and molecular biology to understand the causation, pathogenesis, and control of the major neglected tropical diseases, defined as a group of poverty-promoting chronic infectious diseases.

**BIO 4365 Topics in Evolution (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and BIO 2306 or consent of instructor

Processes which establish or eliminate variation in populations and how these mechanisms affect biological diversity.

**BIO 4381 Restoration Ecology (3)**

Cross-listed as ENV 4380

See ENV 4380 for course information.



**BIO 4386 Remote Sensing (3)**

Cross-listed as AVS 4386, ENV 4386, GEO 4386

See GEO 4386 for course information.

**BIO 4405 Limnology (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Lecture, laboratory, and field studies of lakes and streams. Emphasis on analysis and interpretation of physical, chemical, and biological factors relating to metabolism and production of aquatic communities. Overnight trips may be required.

**BIO 4406 Aquatic Biology (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Laboratory and field studies of lakes, streams, and estuaries. Primarily for advanced students of zoology and botany who are interested in aquatic organisms and their ecology. Emphasis is on collection, preservation, and identification of all aquatic biota except fishes. Overnight trips may be required.

**BIO 4415 Human Evolutionary Anatomy (4)**

Cross-listed as ANT 4416

See ANT 4416 for course description.

**BIO 4416 Plant Anatomy (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Anatomy of seed plants, with emphasis on structure-function relationships that occur during growth and development.

**BIO 4418 Biology of Wetland and Aquatic Vascular Plants (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and any

taxonomic course

Taxonomy, ecology, structure, distribution, and economic significance of aquatic vascular plants.

**BIO 4420 Biology of the Vertebrates (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

An introduction to the biology of the vertebrates, emphasizing recognition and classification of modern taxa, adaptations to diverse lifestyles, and importance to humans in context of diseases, domestication and conservation.

**BIO 4422 Ichthyology (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Fish fauna of the area with emphasis on morphology, ecology, economics, and systematics. Overnight trips may be required.

**BIO 4426 Vertebrate Histology (4)**

Pre-requisite(s): BIO 3322 with a grade of C or better

Microscopic structure of vertebrate tissues and organs.

**BIO 4427 Biology of Mammals (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

An introduction to the biology of mammals, emphasizing recognition and classification of modern taxa, adaptations to diverse lifestyles, and importance to humans in context of diseases, domestication and conservation.

**BIO 4428 Ornithology (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Evolution, morphology, physiology, behavior, reproduction, ecology, geography, and migration of birds of the world. Includes field identification of Central Texas species.

**BIO 4430 Vertebrate Paleontology (4)**

Cross-listed as GEO 4430

Pre-requisite(s): Consent of instructor

Evolutionary history and biogeography of vertebrate animals, based primarily on fossil evidence. Laboratory activities include study of fossil material, field excavations, and visits to museums.

**BIO 4431 Comparative Vertebrate Physiology (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and upper-level standing; or consent of instructor

Vertebrate physiology in a comparative evolutionary context. Emphasis on general principles, with unique examples supplied from all major vertebrate taxa.

**BIO 4432 General Human Anatomy (4)**

Pre-requisite(s): Overall GPA of 3.0 or better

Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better. The organs and systems of the human body emphasizing relationships between structure, function, development and microscopic anatomy.

**BIO 4V04 Biology Field Studies (1-9)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and consent of instructor

Organisms, environments, and methods of field study. Available for one to four hours of credit, with each hour of credit corresponding to one week of study in field. Four hours required to satisfy field course requirement.

**BIO 4V75 Clinical Laboratory Science Internship (6-12)**

Pre-requisite(s): Consent of instructor; for Clinical Laboratory Science majors only

Highly intensive clinical training at an affiliated institution in preparation for national certification as a clinical laboratory scientist. A grade of "C-" or better is required for course credit. Can be taken for 6 to 12 hours per semester for a maximum of 4 times with a total of no more than 42 hours.

**BIO 4V90 Advanced Research Project (1-3)**

Pre-requisite(s): 3 hours of BIO 3V90, upper-level standing, consent of instructor and department chair

Independent research project conducted under the supervision of a faculty member. May be repeated for a total of 3 hours. Presentation of the project required at the end of each semester. Presentation and defense of thesis required for third semester hour.

**BIO 4V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

## **Biology (Cell and Molecular Biology), B.S.**

This program is designed for students who desire a strong understanding of cellular function at the molecular level. It is designed to provide a solid foundation in cellular function and genetic control of biological

processes to support the exploration of disease etiology. It is appropriate for students who wish to attend graduate or professional schools.

## Requirements for a Major in Biology (Cell and Molecular Biology)

| Code   | Title   | Hours     |
|--|---|-----------|
| Thirty-five semester hours including the following: <sup>1</sup> |   |           |
| <b>Required Courses</b>  |   |           |
| BIO 1305 & BIO 1105  | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            | 4         |
| or BIO 1405  | Investigations of Modern Biology Concepts I   |           |
| BIO 1306 & BIO 1106  | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory | 4         |
| or BIO 1406  | Investigations of Modern Biology Concepts II  |           |
| BIO 2306 & BIO 2106  | Genetics and Genetics Laboratory  | 4         |
| BIO 3342   | Molecular Cell Biology  | 3         |
| BIO 4001   | Achievement Test  | 0         |
| BIO 3100   | Seminar in Biology  | 1         |
| or BIO 3V9R  | Research  |           |
| or BIO 4199  | Scientific Communication  |           |
| Select three semester hours from each group:                     |   | 6         |
| <b>Group 1</b>   |   |           |
| BIO 4302 & BIO 4102  | General Microbiology and General Microbiology Lab                                     |           |
| BIO 4426   | Vertebrate Histology  |           |
| BIO 4308 & BIO 4108  | Genes and Development and Genes and Development Laboratory                            |           |
| <b>Group 2</b>   |   |           |
| BIO 3330   | Medical Genetics  |           |
| BIO 3350   | Genomics and Bioinformatics   |           |
| BIO 4301   | Immunology  |           |
| BIO 4306 & BIO 4106  | Molecular Genetics and Genomics and Molecular Genetics and Genomics Laboratory        |           |
| BIO 4307   | Biochemistry and Physiology of the Cell   |           |
| Thirteen semester hours of 3000-4000 BIO courses <sup>3</sup>    |   | 13        |
| <b>Subtotal</b>  |   | <b>35</b> |
| <b>Required Courses in Other Fields <sup>2</sup></b>             |   |           |
| CHE 1301 & CHE 1101  | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             | 4         |
| CHE 1302 & CHE 1102  | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           | 4         |
| CHE 3331   | Organic Chemistry I   | 3         |
| CHE 3332   | Organic Chemistry II  | 3         |
| CHE 3238   | Organic Chemistry Laboratory  | 2         |
| MTH 1321   | Calculus I  | 3         |
| MTH 1322   | Calculus II   | 3         |
| or STA 2381  | Introductory Statistical Methods  |           |
| Select one of the following sequences:                           |   | 8         |

PHY 1408 & PHY 1409 General Physics for Natural and Behavioral Sciences I and General Physics for Natural and Behavioral Sciences II

PHY 1420 & PHY 1430 General Physics I and General Physics II

PHY 1420 & PHY 1409 General Physics I and General Physics for Natural and Behavioral Sciences II

**Total Hours** **65**

<sup>1</sup> A grade of "C" or better in all biology courses used in the major and a GPA of 2.0 or higher on all BIO courses completed.

<sup>2</sup> A grade of "C" or better in all courses required in other fields.

<sup>3</sup> A maximum of 3 hours of 3V9R and a maximum of 3 hours of 4V9R may be used for elective credit.

## Biology (Integrative Biology), B.S.

This program is designed for students who desire a strong, diverse background in the biological sciences. It is designed to introduce students to the wholeness of biology through an integrative perspective of the structure and function of biological systems with strong training in information analysis. It is appropriate for students who wish to attend graduate or professional schools.

## Requirements for a Major in Biology (Integrative Biology)

| Code   | Title   | Hours |
|--|---|-------|
| Thirty-five semester hours including the following: <sup>1</sup> |   |       |
| <b>Required Courses</b>  |   |       |
| BIO 1305 & BIO 1105  | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            | 4     |
| or BIO 1405  | Investigations of Modern Biology Concepts I   |       |
| BIO 1306 & BIO 1106  | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory | 4     |
| or BIO 1406  | Investigations of Modern Biology Concepts II  |       |
| BIO 2306 & BIO 2106  | Genetics and Genetics Laboratory  | 4     |
| BIO 3303   | Ecology   | 3     |
| BIO 3366   | Foundations of Evolutionary Biology   | 3     |
| BIO 4001   | Achievement Test  | 0     |
| Select one semester hour from the following:                     |   | 1     |
| BIO 3100   | Seminar in Biology  |       |
| BIO 3103   | Ecology Laboratory  |       |
| BIO 3300   | Advanced Topics in Biology  |       |
| BIO 3V9R   | Research  |       |
| BIO 4199   | Scientific Communication  |       |
| Select three semester hours from each group:                     |   | 12    |
| <b>Group 1</b>   |   |       |
| BIO 3324 & BIO 3124  | Entomology and Laboratory for Entomology  |       |
| BIO 3429   | Comparative Chordate Anatomy  |       |

|   |   |           |
|---|---|-----------|
| BIO 4301  | Immunology  |           |
| BIO 4302<br>& BIO 4102                              | General Microbiology<br>and General Microbiology Lab  |           |
| BIO 4304<br>& BIO 4104                              | Medical Entomology<br>and Medical Entomology Laboratory   |           |
| BIO 4308<br>& BIO 4108                              | Genes and Development<br>and Genes and Development Laboratory   |           |
| BIO 4323  | Parasitology  |           |
| BIO 4416  | Plant Anatomy   |           |
| BIO 4422  | Ichthyology   |           |
| <b>Group 2</b>                                      |   |           |
| BIO 3322<br>& BIO 3122                              | Human Physiology<br>and Human Physiology Lab  |           |
| BIO 3342  | Molecular Cell Biology  |           |
| BIO 4307  | Biochemistry and Physiology of the Cell   |           |
| BIO 4317<br>& BIO 4117                              | Plant Physiology<br>and Plant Physiology Lab  |           |
| BIO 4431  | Comparative Vertebrate Physiology   |           |
| BIO 4418  | Biology of Wetland and Aquatic Vascular<br>Plants   |           |
| <b>Group 3</b>                                      |   |           |
| BIO 3320  | Climate Change Biology  |           |
| BIO 4305  | Aquatic Ecosystems  |           |
| BIO 4365  | Topics in Evolution   |           |
| BIO 4381  | Restoration Ecology   |           |
| BIO 4405  | Limnology   |           |
| BIO 4406  | Aquatic Biology   |           |
| <b>Group 4</b>                                      |   |           |
| BIO 3350  | Genomics and Bioinformatics   |           |
| BIO 4306<br>& BIO 4106                              | Molecular Genetics and Genomics<br>and Molecular Genetics and Genomics<br>Laboratory                                      |           |
| BIO 4333  | Science Leadership: Improvement of<br>Science Education   |           |
| Four semester hours of 3000-4000 level BIO courses  |   | 4         |
| <b>Subtotal</b>                                     |   | <b>35</b> |
| <b>Required Courses in Other Fields<sup>2</sup></b> |   |           |
| CHE 1301<br>& CHE 1101                              | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I  | 4         |
| CHE 1302<br>& CHE 1102                              | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II  | 4         |
| CHE 3331  | Organic Chemistry I   | 3         |
| CHE 3332  | Organic Chemistry II  | 3         |
| CHE 3238  | Organic Chemistry Laboratory  | 2         |
| MTH 1321  | Calculus I  | 3         |
| MTH 1322<br>or STA 2381                             | Calculus II<br>Introductory Statistical Methods   | 3         |
| Select one of the following sequences:              |   | 8         |
| PHY 1408<br>& PHY 1409                              | General Physics for Natural and Behavioral<br>Sciences I<br>and General Physics for Natural and<br>Behavioral Sciences II |           |
| PHY 1420<br>& PHY 1430                              | General Physics I<br>and General Physics II   |           |
| PHY 1420  | General Physics I   |           |

& PHY 1409 and General Physics for Natural and  
Behavioral Sciences II

**Total Hours** **65**

<sup>1</sup> A grade of "C" or better in all biology courses used in the major and a GPA of 2.0 or higher on all BIO courses completed.

<sup>2</sup> A grade of "C" or better in all courses required in other fields.

## Biology (Biology of Global Health), B.S.

Human health is intricately linked to economic development, ecological sustainability, and social inequalities. For these reasons, the Biology of Global Health program is designed for students interested in engaging human and environmental health issues on a global scale from developing to industrialized nations. It is appropriate for students who are considering diverse careers in biology from medicine to environmental conservation and who are interested in finding solutions to the biological and ecological challenges influencing human health. Graduates of the program will be equipped with fundamental scientific skills and knowledge, drawn from the breadth of biological disciplines, that will allow them to become leaders in healthcare fields at local, national, and international levels.

### Admission to the Program

Students wishing to pursue the Bachelor of Science in Biology with a concentration in Biology of Global Health must apply for admission to this program in writing to the Director of the Biology of Global Health program. To be eligible to apply, a student must have satisfied each of the requirements to advance in the major and select a concentration. Further, the student must have completed a minimum of 24 credit hours in residence at Baylor to declare the concentration in Biology of Global Health. The application process is initiated annually at the completion of the spring semester; students are notified of their admission prior to the beginning of the subsequent fall semester. Admission is competitive and achievement of minimum standards does not guarantee acceptance to the major.

Admission to the Biology of Global Health program requires, at a minimum:

1. An overall GPA of 3.5 on a four-point scale.
2. A written application demonstrating a commitment to understanding the biology of global health.
3. Two letters of recommendation from academic or professional mentors.

The Chair of the Department of Biology will appoint an admission committee to assist the program director in reviewing the applications. This committee, based on the material supplied to them, their professional judgment, and the number of positions available for entering students shall determine the suitability of the program for the applicant and notify him/her of one of the outcomes stated below.

1. Admitted.
2. Not Admitted.

The decision of the committee will be made on the basis of a simple majority after a review of the student's application.

**Maintaining Status as a Biology of Global Health Student**

Biology of Global Health students must maintain a minimum cumulative 3.0 GPA through their junior-level courses (including BIO 2306 Genetics - BIO 2106 Genetics Laboratory) and earn no grade lower than a C in any Biology course. Any student whose performance falls below the 3.0 minimum for two consecutive semesters or who earns less than a C grade in a biology course will be dismissed from the program.

**Requirements for a Major in Biology (Biology of Global Health)**

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

Thirty-four semester hours including the following: <sup>1</sup>

**Required Courses**

|                        |   |   |
|------------------------|---|---|
| BIO 1305<br>& BIO 1105 | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory            | 4 |
| or BIO 1405            | Investigations of Modern Biology Concepts I   |   |
| BIO 1306<br>& BIO 1106 | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory | 4 |
| or BIO 1406            | Investigations of Modern Biology Concepts II  |   |
| BIO 2201               | Biology of Global Health  | 2 |
| BIO 2306<br>& BIO 2106 | Genetics<br>and Genetics Laboratory   | 4 |
| BIO 3303<br>& BIO 3103 | Ecology<br>and Ecology Laboratory   | 4 |
| BIO 4001               | Achievement Test  | 0 |
| BIO 4302<br>& BIO 4102 | General Microbiology<br>and General Microbiology Lab  | 4 |

Select three hours from each distribution list: 9

**Cell & Molecular Biology Distribution List**

|                        |  |  |
|------------------------|--|--|
| BIO 3342               | Molecular Cell Biology   |  |
| BIO 3350               | Genomics and Bioinformatics  |  |
| BIO 4306<br>& BIO 4106 | Molecular Genetics and Genomics<br>and Molecular Genetics and Genomics<br>Laboratory |  |
| BIO 4308<br>& BIO 4108 | Genes and Development<br>and Genes and Development Laboratory                        |  |

**Ecology & Evolution Distribution List**

|          |                                      |  |
|----------|--------------------------------------|--|
| BIO 3315 | Introduction to Environmental Health |  |
| BIO 3320 | Climate Change Biology               |  |
| BIO 3366 | Foundations of Evolutionary Biology  |  |
| BIO 4365 | Topics in Evolution                  |  |
| BIO 4386 | Remote Sensing                       |  |
| BIO 4405 | Limnology                            |  |
| BIO 4406 | Aquatic Biology                      |  |

**Host & Disease Distribution List**

|                        |  |  |
|------------------------|--|--|
| BIO 3322<br>& BIO 3122 | Human Physiology<br>and Human Physiology Lab |  |
| BIO 4301               | Immunology                                   |  |
| BIO 4304               | Medical Entomology                           |  |
| BIO 4323               | Parasitology                                 |  |
| BIO 4350               | Pathogenic Microbiology                      |  |
| BIO 4354               | Neglected Tropical Diseases                  |  |
| BIO 4431               | Comparative Vertebrate Physiology            |  |

|   |   |
|---|---|
| Three semester hours of 3000-4000 level BIO courses | 3 |
|---|---|

|                 |           |
|-----------------|-----------|
| <b>Subtotal</b> | <b>34</b> |
|-----------------|-----------|

**Required Courses in Other Fields <sup>2</sup>**

|  |  |   |
|--|--|---|
| CHE 1301<br>& CHE 1101                 | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I   | 4 |
| CHE 1302<br>& CHE 1102                 | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II | 4 |
| CHE 3331                               | Organic Chemistry I  | 3 |
| CHE 3332                               | Organic Chemistry II   | 3 |
| CHE 3238                               | Organic Chemistry Laboratory   | 2 |
| MTH 1321                               | Calculus I   | 3 |
| STA 2381                               | Introductory Statistical Methods   | 3 |
| Select one of the following sequences: |  | 8 |

|                        |   |  |
|------------------------|---|--|
| PHY 1408<br>& PHY 1409 | General Physics for Natural and Behavioral<br>Sciences I<br>and General Physics for Natural and<br>Behavioral Sciences II |  |
|------------------------|---|--|

|                        |   |  |
|------------------------|---|--|
| PHY 1420<br>& PHY 1430 | General Physics I<br>and General Physics II |  |
|------------------------|---|--|

|                        |  |  |
|------------------------|--|--|
| PHY 1420<br>& PHY 1409 | General Physics I<br>and General Physics for Natural and<br>Behavioral Sciences II |  |
|------------------------|--|--|

|                                       |   |
|---------------------------------------|---|
| Select at least one of the following: | 3 |
|---------------------------------------|---|

|          |              |  |
|----------|--------------|--|
| ANT 4330 | Epidemiology |  |
|----------|--------------|--|

|          |                      |  |
|----------|----------------------|--|
| ANT 4325 | Medical Anthropology |  |
|----------|----------------------|--|

|          |                       |  |
|----------|-----------------------|--|
| ANT 4371 | Evolutionary Medicine |  |
|----------|-----------------------|--|

|          |   |  |
|----------|---|--|
| ANT 4373 | One Health: Connecting Global Health and<br>Conservation Medicine |  |
|----------|---|--|

|           |                               |  |
|-----------|-------------------------------|--|
| PUBH 3351 | Epidemiology/Vital Statistics |  |
|-----------|-------------------------------|--|

|           |               |  |
|-----------|---------------|--|
| PUBH 4340 | Global Health |  |
|-----------|---------------|--|

|                    |           |
|--------------------|-----------|
| <b>Total Hours</b> | <b>67</b> |
|--------------------|-----------|

<sup>1</sup> A grade of "C" or better in BIO courses used in the major and a GPA of 2.0 or higher on all BIO courses.

<sup>2</sup> A grade of "C" or better in all courses required in other fields.

**Biology (Science Education), B.S.**

This program is designed for students interested in science education and certification to teach secondary science.

**Requirements for a Major in Biology (Science Education)**

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

Thirty-one semester hours including the following: <sup>1</sup>

**Required Courses**

|                        |   |   |
|------------------------|---|---|
| BIO 1305<br>& BIO 1105 | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory            | 4 |
| or BIO 1405            | Investigations of Modern Biology Concepts I   |   |
| BIO 1306<br>& BIO 1106 | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory | 4 |
| or BIO 1406            | Investigations of Modern Biology Concepts II  |   |

|   |  |    |
|---|--|----|
| BIO 2306<br>& BIO 2106  | Genetics<br>and Genetics Laboratory                        | 4  |
| BIO 3366<br>or BIO 4365   | Foundations of Evolutionary Biology<br>Topics in Evolution | 3  |
| BIO 4333  | Science Leadership: Improvement of<br>Science Education    | 3  |
| BIO 3V9R  | Research   | 1  |
| BIO 4001  | Achievement Test   | 0  |
| Select four hours from each group (a course may not be used to<br>fulfill more than one group): |  | 12 |

*Group 1*

|                        |   |  |
|------------------------|---|--|
| BIO 3324<br>& BIO 3124 | Entomology<br>and Laboratory for Entomology                   |  |
| BIO 3429               | Comparative Chordate Anatomy                                  |  |
| BIO 4308<br>& BIO 4108 | Genes and Development<br>and Genes and Development Laboratory |  |
| BIO 4426               | Vertebrate Histology  |  |
| BIO 4432               | General Human Anatomy   |  |

*Group 2*

|                        |  |  |
|------------------------|--|--|
| BIO 3322<br>& BIO 3122 | Human Physiology<br>and Human Physiology Lab   |  |
| BIO 4306<br>& BIO 4106 | Molecular Genetics and Genomics<br>and Molecular Genetics and Genomics<br>Laboratory |  |
| BIO 4431               | Comparative Vertebrate Physiology  |  |

*Group 3*

|                        |   |  |
|------------------------|---|--|
| BIO 3303<br>& BIO 3103 | Ecology<br>and Ecology Laboratory                 |  |
| BIO 3324<br>& BIO 3124 | Entomology<br>and Laboratory for Entomology       |  |
| BIO 4405               | Limnology   |  |
| BIO 4406               | Aquatic Biology                                   |  |
| BIO 4418               | Biology of Wetland and Aquatic Vascular<br>Plants |  |
| BIO 4422               | Ichthyology                                       |  |
| BIO 4427               | Biology of Mammals                                |  |

**Subtotal** 31**Required Courses in Other Fields <sup>2</sup>**

|   |  |   |
|---|--|---|
| CHE 1301<br>& CHE 1101                              | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I   | 4 |
| CHE 1302<br>& CHE 1102                              | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II   | 4 |
| CHE 3331  | Organic Chemistry I  | 3 |
| CHE 3332  | Organic Chemistry II   | 3 |
| CHE 3238  | Organic Chemistry Laboratory   | 2 |
| GEO 1306<br>& GEO 1106<br>or GEO 1307<br>& GEO 1106 | The Earth Through Time<br>and The Earth Through Time, Laboratory<br>Evolution and Extinction<br>and The Earth Through Time, Laboratory | 4 |
| GEO 1408<br>or PHY 1455                             | Earth Science<br>Descriptive Astronomy   | 4 |
| MTH 1321  | Calculus I   | 3 |
| MTH 1322<br>or STA 2381                             | Calculus II<br>Introductory Statistical Methods  | 3 |

Select one of the following sequences: 8

|                        |   |  |
|------------------------|---|--|
| PHY 1408<br>& PHY 1409 | General Physics for Natural and Behavioral<br>Sciences I<br>and General Physics for Natural and<br>Behavioral Sciences II |  |
| PHY 1420<br>& PHY 1430 | General Physics I<br>and General Physics II   |  |
| PHY 1420<br>& PHY 1409 | General Physics I<br>and General Physics for Natural and<br>Behavioral Sciences II  |  |

Completion of the Minor in Science Education <sup>3</sup>**Total Hours** 69<sup>1</sup> A grade of "C" or better in 31 hours of biology courses used in the major and a GPA of 2.0 or higher on all BIO courses.<sup>2</sup> A grade of "C" or better in all courses required in other fields.<sup>3</sup> School of Education - contact the advising department in the School of Education - Office of Student and Information Services, located in Draper 100.

## Biology - Secondary Major

### Requirements for a Secondary Major in Biology

**Code** **Title** **Hours**Thirty-five semester hours including the following: <sup>1</sup>

| Required Courses       |   |   |
|------------------------|---|---|
| BIO 1305<br>& BIO 1105 | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory            | 4 |
| or BIO 1405            | Investigations of Modern Biology Concepts I   |   |
| BIO 1306<br>& BIO 1106 | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory | 4 |
| or BIO 1406            | Investigations of Modern Biology Concepts II  |   |
| BIO 2306<br>& BIO 2106 | Genetics<br>and Genetics Laboratory   | 4 |
| BIO 3303               | Ecology   | 3 |
| BIO 3366               | Foundations of Evolutionary Biology   | 3 |
| BIO 4001               | Achievement Test  | 0 |

Select at least one hour from the following: 1

|          |                            |  |
|----------|----------------------------|--|
| BIO 3100 | Seminar in Biology         |  |
| BIO 3103 | Ecology Laboratory         |  |
| BIO 3300 | Advanced Topics in Biology |  |
| BIO 3V9R | Research                   |  |
| BIO 4199 | Scientific Communication   |  |

Select three hours from each group: 12

*Group 1*

|                        |  |  |
|------------------------|--|--|
| BIO 3324<br>& BIO 3124 | Entomology<br>and Laboratory for Entomology          |  |
| BIO 3429               | Comparative Chordate Anatomy                         |  |
| BIO 4301               | Immunology   |  |
| BIO 4302<br>& BIO 4102 | General Microbiology<br>and General Microbiology Lab |  |



|                        |   |
|------------------------|---|
| BIO 4304<br>& BIO 4104 | Medical Entomology<br>and Medical Entomology Laboratory       |
| BIO 4308<br>& BIO 4108 | Genes and Development<br>and Genes and Development Laboratory |
| BIO 4323<br>& BIO 4123 | Parasitology<br>and Laboratory for Parasitology               |
| BIO 4416               | Plant Anatomy   |
| BIO 4422               | Ichthyology   |
| BIO 4428               | Ornithology   |

**Group 2**

|                        |   |
|------------------------|---|
| BIO 3322<br>& BIO 3122 | Human Physiology<br>and Human Physiology Lab      |
| BIO 3342               | Molecular Cell Biology                            |
| BIO 4307               | Biochemistry and Physiology of the Cell           |
| BIO 4317<br>& BIO 4117 | Plant Physiology<br>and Plant Physiology Lab      |
| BIO 4431               | Comparative Vertebrate Physiology                 |
| BIO 4418               | Biology of Wetland and Aquatic Vascular<br>Plants |

**Group 3**

|          |                        |
|----------|------------------------|
| BIO 3320 | Climate Change Biology |
| BIO 4310 | Biogeography           |
| BIO 4365 | Topics in Evolution    |
| BIO 4381 | Restoration Ecology    |
| BIO 4405 | Limnology              |
| BIO 4406 | Aquatic Biology        |

**Group 4**

|                        |  |
|------------------------|--|
| BIO 3350               | Genomics and Bioinformatics  |
| BIO 4306<br>& BIO 4106 | Molecular Genetics and Genomics<br>and Molecular Genetics and Genomics<br>Laboratory |
| BIO 4333               | Science Leadership: Improvement of<br>Science Education                              |

Four hours of 3000-4000 level BIO courses 4

**Subtotal** 35

**Required Courses in Other Fields<sup>2</sup>**

|                         |  |   |
|-------------------------|--|---|
| CHE 1301<br>& CHE 1101  | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I   | 4 |
| CHE 1302<br>& CHE 1102  | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II | 4 |
| CHE 3331                | Organic Chemistry I  | 3 |
| CHE 3332                | Organic Chemistry II   | 3 |
| CHE 3238                | Organic Chemistry Laboratory   | 2 |
| MTH 1321                | Calculus I   | 3 |
| MTH 1322<br>or STA 2381 | Calculus II<br>Introductory Statistical Methods                                | 3 |

Select one of the following sequences: 8

|                        |   |  |
|------------------------|---|--|
| PHY 1408<br>& PHY 1409 | General Physics for Natural and Behavioral<br>Sciences I<br>and General Physics for Natural and<br>Behavioral Sciences II |  |
| PHY 1420<br>& PHY 1430 | General Physics I<br>and General Physics II   |  |

|                        |  |  |
|------------------------|--|--|
| PHY 1420<br>& PHY 1409 | General Physics I<br>and General Physics for Natural and<br>Behavioral Sciences II |  |
|------------------------|--|--|

**Total Hours** 65

<sup>1</sup> A grade of "C" or better in all BIO courses used in the major and a GPA of 2.0 or higher on all BIO courses completed.

<sup>2</sup> A grade of "C" or better in all courses required in other fields.

## Biology Minor

### Requirements for a Minor in Biology

**Code** **Title** **Hours**

Twenty semester hours including the following:<sup>1</sup>

| Required Courses       |   |   |
|------------------------|---|---|
| BIO 1305<br>& BIO 1105 | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory            | 4 |
| or BIO 1405            | Investigations of Modern Biology Concepts I   |   |
| BIO 1306<br>& BIO 1106 | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory | 4 |
| or BIO 1406            | Investigations of Modern Biology Concepts II  |   |

Twelve semester hours of BIO courses, nine of which must be at the 3000–4000 level<sup>2</sup> 12

**Total Hours** 20

<sup>1</sup> A grade of "C" or better in 20 hours of biology courses used for the minor and a GPA of 2.0 or higher on all BIO courses.

<sup>2</sup> BIO 2306 Genetics is strongly recommended in the 20-hour total

## Joint Bachelor of Science/Master of Arts in Teaching (with Teacher Certification)

To earn the joint BS/MAT in Biology, a student must complete all basic requirements for the BS degree with a major in Biology, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission).

## Chemistry and Biochemistry

The department of Chemistry and Biochemistry at Baylor University offers a variety of degree options and programs to suit the needs of students with a wide range of career goals. Fully accredited by the American Chemical Society (<https://www.acs.org/content/acs/en.html>), the department offers a certified bachelor's degree in chemistry as well as several others. We have research programs in the core areas of chemistry (analytical, inorganic, physical, organic, and biochemistry) along with more interdisciplinary programs in chemical biology and biomedical research

Freshmen who wish to be chemistry or biochemistry majors are strongly advised to enroll in CHE 1301 Basic Principles of Modern Chemistry I in the freshman year in order to keep as many options open as possible.

Current Baylor students must have a minimum 3.5 GPA and 12 hours in residence to request to change to BA or BS majors in chemistry or biochemistry. Transfer students desiring to enter Baylor and major in chemistry or biochemistry (BA or BS) must have a minimum 3.5 GPA.

- Chemistry, B.A. (p. 96)
- Chemistry (American Chemical Society Certified), B.S. (p. 96)
- Chemistry, B.S. (p. 97)
- Chemistry - Secondary Major (p. 98)
- Chemistry Minor (p. 98)
- Biochemistry, B.A. (p. 98)
- Biochemistry, B.S. (p. 99)
- Biochemistry - Secondary Major (p. 99)
- Biochemistry Minor (p. 100)
- Joint Bachelor of Arts/Master of Arts in Teaching (p. 100)
- Joint Bachelor of Science/Master of Arts in Teaching (p. 100)

## Chemistry (CHE)

### **CHE 1100 Introductory Chemistry Laboratory (1)**

Pre-requisite(s): Credit or concurrent registration in CHE 1300  
Laboratory investigations of chemical reactions and properties of common, everyday materials.

### **CHE 1101 General Chemistry Laboratory I (1)**

Pre-requisite(s): Credit or concurrent registration in CHE 1301  
An introductory laboratory course that illustrates topics covered in CHE 1301, including chemical reactions, the mole concept, properties of gases and solutions, thermochemistry, and molecular bonding.

### **CHE 1102 General Chemistry Laboratory II (1)**

Pre-requisite(s): CHE 1101 and credit or concurrent registration in CHE 1302

An introductory laboratory course that illustrates topics covered in CHE 1302, including properties of solutions, kinetics, equilibrium, thermodynamics, electrochemistry, and chemical analysis.

### **CHE 1146 Introductory Organic Biochemistry Laboratory (1)**

Pre-requisite(s): Credit or concurrent registration in CHE 1341  
Laboratory experiments illustrating principles of organic chemistry and biochemistry.

### **CHE 1300 Introductory Chemistry (3)**

No previous knowledge of chemistry required. A one-semester course in general inorganic chemistry, covering atomic structure, bonding, nomenclature, chemical equations, and a problem-solving approach to stoichiometry, gases, solutions, acids and bases, chemical equilibrium and oxidation-reduction. Note: Students may apply either CHE 1300-1100, 1405, 1341-1146, or 1301 and 1100 in fulfillment of a science requirement for a (non-chemistry) B.A. degree. However, CHE 1405 is strongly advised for the meeting of this requirement.

### **CHE 1301 Basic Principles of Modern Chemistry I (3)**

Pre-requisite(s): A satisfactory score on the SAT math, ACT math, or participation in an online learning module and earning a minimum score at the conclusion of the module  
Completion of high school chemistry highly recommended. An introduction to chemical reactions; the mole concept; properties of gases, solids, liquids, and solutions; atomic structure; periodic properties; chemical bonding, and molecular structure.

### **CHE 1302 Basic Principles of Modern Chemistry II (3)**

Pre-requisite(s): CHE 1301 with a C or better  
A continuation of CHE 1301 with emphasis on chemical equilibrium, thermodynamics, electrochemistry, kinetics, and radiochemistry.

### **CHE 1341 Introductory Organic Biochemistry (3)**

Pre-requisite(s): CHE 1300 or 1301  
A one-semester introduction to organic chemistry and biochemistry. The structure and properties of different classes of organic compounds, enzymes, bioenergetics, intermediary metabolism, body fluids, and nutrition will be covered.

### **CHE 1405 Chemistry and Society (4)**

The influence of chemistry on everyday life, including energy sources, agricultural chemicals, food and food additives, medicines, drugs, water, air, and pollution. Laboratory exercises involve the chemistry and physical properties of common materials.

### **CHE 1V98 Special Research Problems (3)**

Pre-requisite(s): CHE 1302 and 2416; or permission of instructor  
A research project conducted under the supervision of a Baylor Chemistry/Biochemistry Department faculty member. A minimum of three clock hours of work per week in the laboratory will be required for each semester hour of credit. This course may be repeated once if research continues. Departmental clearance is required before a grade can be assigned.

### **CHE 1V9R Research (3)**

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

### **CHE 2416 Laboratory Measurements and Techniques (4)**

Pre-requisite(s): CHE 1102 and 1302  
An introductory laboratory course in quantitative analysis, including volumetric and gravimetric procedures with emphasis on developing the requisite laboratory technique for making high-quality analytical determinations.

### **CHE 2V98 Extended Research Problems (3)**

Pre-requisite(s): Two semesters of CHE 1V98  
A research project conducted under the supervision of a Baylor Chemistry/Biochemistry Department faculty member. A minimum of three clock hours of work per week in the laboratory will be required for each semester hour of credit. This course may be repeated once if research continues. Departmental clearance is required before a grade can be assigned.

### **CHE 2V9R Research (3)**

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

### **CHE 3238 Organic Chemistry Laboratory (2)**

Pre-requisite(s): CHE 1102, 3331, and credit or concurrent registration in CHE 3332  
A laboratory course in organic chemistry including synthesis, purification, and analysis of organic compounds using a variety of techniques.

### **CHE 3331 Organic Chemistry I (3)**

Pre-requisite(s): CHE 1302 with a grade of C or better  
Chemistry of organic compounds which primarily contain the less polar functional groups. Topics include reaction mechanisms, stereochemistry and organic spectroscopy.

**CHE 3332 Organic Chemistry II (3)**

Pre-requisite(s): CHE 3331 with grade of C or better or consent of instructor

A continuation of CHE 3331 involving the chemistry of the more polar functional groups, including carbohydrates and amino acids. A nationally standardized comprehensive final examination covering both CHE 3331 and 3332 will be given.

**CHE 3341 Biochemistry of Nutrition (3)**

Pre-requisite(s): CHE 1302, CHE 1341, and BIO 1305, all with grades of C or better

The chemistry of dietary components, digestion, and biosynthesis, with emphasis on molecular structures, chemical properties, and metabolic relationships relevant to health. (This course does not count as an advanced course for chemistry majors.)

**CHE 3361 Forensic Analytical Chemistry (3)**

Pre-requisite(s): CHE 3332 and credit or concurrent enrollment in CHE 3238

Introduction to the theory and techniques of analytical chemistry as applied to forensic science.

**CHE 3V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**CHE 4001 Exit Examination (0)**

Pre-requisite(s): Senior standing

The only requirement for this course is completion of a comprehensive chemistry exit examination designated by the department. This examination may be written by the department's faculty or may be chosen from the GRE, ETS, or another similar examination.

**CHE 4141 Modern Biochemistry Laboratory (1)**

Pre-requisite(s): CHE 2416, 3238 and credit or concurrent enrollment in CHE 4341

Experiments illustrating isolation and identification of biomolecules with emphasis on chromatographic separations, centrifugation, electrophoresis, spectroscopic methods, kinetics, and analysis of experimental data.

**CHE 4142 Advanced Biochemistry Laboratory (1)**

Pre-requisite(s): CHE 4141 and credit or concurrent enrollment in CHE 4342

Experiments illustrating characterization of biomolecules with emphasis on advanced techniques in liquid chromatography, electrophoretic methods, ultracentrifugation, spectroscopic analysis, and molecular graphics and modeling.

**CHE 4151 Undergraduate Seminar I (1)**

Pre-requisite(s): CHE 3332 and senior standing

Presentation of a seminar derived from the recent literature in an area of chemistry designated by the instructor.

**CHE 4199 Senior Thesis (1)**

Pre-requisite(s): CHE 4V98 and consent of instructor

A final report in the form of a B.S. thesis and a public presentation on a research project conducted under the supervision of a Baylor Chemistry/Biochemistry Department faculty member. A copy of the thesis must be submitted to the advisor for B.S. chemistry majors before a grade can be assigned.

**CHE 4207 Preparative Inorganic Chemistry (2)**

Pre-requisite(s): CHE 3238 and 4302

A wide range of experimental techniques currently used in preparative inorganic chemistry research. Such techniques include dry bag, inert atmosphere, ion-exchange, and vacuum line manipulations; electrolytic, non-aqueous solvent, and tube furnace preparations. Emphasis will be given to both the preparation and characterization of compounds prepared in the laboratory.

**CHE 4217 Instrumental Analysis Laboratory (2)**

Pre-requisite(s): CHE 4225 or 4227, and either credit or concurrent registration in CHE 4316

Laboratory work in instrumental analysis with an emphasis on spectroscopy, separations, and electrochemical methods.

**CHE 4225 Biophysical Chemistry Laboratory (2)**

Pre-requisite(s): CHE 2416 and credit or concurrent enrollment in CHE 4327

Introduction to basic biophysical laboratory techniques. Emphasis is placed on the spectroscopy and calorimetry of macromolecules/ligand interactions. Instruction in effective report writing.

**CHE 4227 Physical Chemistry Laboratory I (2)**

Pre-requisite(s): CHE 2416 and credit or concurrent enrollment in CHE 4321

Techniques of physical property measurement, data analysis, and interpretation, with emphasis on thermodynamics, electrochemistry, surface chemistry, solutions, and kinetics. Instruction in effective report writing.

**CHE 4228 Physical Chemistry Laboratory II (2)**

Pre-requisite(s): CHE 4225 or 4227, and credit or concurrent enrollment in CHE 4322

Advanced work in measurement and data analysis techniques, with emphasis on lasers, molecular spectroscopy, and photochemistry. Instruction in effective report writing.

**CHE 4237 Advanced Organic Laboratory (2)**

Pre-requisite(s): CHE 3238 and 3332

Advanced organic synthesis, purification and analysis techniques, including the use of instrumental methods, such as inert atmosphere techniques and modern analytical and preparative chromatography.

**CHE 4302 Modern Inorganic Chemistry I (3)**

Pre-requisite(s): CHE 1301 and CHE 1302

Modern inorganic chemistry, including principles of structure, bonding, and chemical reactivity with application to compounds of the main group and transition elements, with organometallic chemistry.

**CHE 4307 Modern Inorganic Chemistry II (3)**

Pre-requisite(s): CHE 4302

Advanced topics in inorganic chemistry; molecular symmetry with applications to electronic structure and spectroscopy; reaction kinetics and mechanisms; inorganic synthesis and catalysis; bioinorganic chemistry.

**CHE 4316 Instrumental Analysis (3)**

Pre-requisite(s): CHE 4321 or 4327

Introduction to instrumental methods of analysis including spectroscopy, separations, and electrochemical methods.

**CHE 4321 Physical Chemistry I (3)**

Pre-requisite(s): CHE 2416, MTH 2321, and PHY 1430; and CHE 3332 or consent of instructor

Gases, liquids and solids, phase changes, electrochemistry, and the principles of kinetics and thermodynamics. (Not applicable to a major in biochemistry.)

**CHE 4322 Physical Chemistry II (3)**

Pre-requisite(s): CHE 2416, MTH 2321, and PHY 1430; and CHE 3332 or consent of instructor

Postulates of quantum mechanics. Application of quantum theory to simple models: particle in a box, rigid rotor, and harmonic oscillator. Electronic, rotational, and vibrational motion in molecules. Molecular energy levels and spectra. Electronic structure of atoms and molecules. Basic concepts of statistical thermodynamics.

**CHE 4327 Physical Chemistry for the Life Sciences (3)**

Pre-requisite(s): CHE 2416, MTH 1322, PHY 1409 or 1430; and credit or concurrent enrollment in CHE 4341

Chemical thermodynamics, kinetics, and the basic principles of spectroscopy with applications to systems of biochemical interest. (Not applicable to a major in chemistry.)

**CHE 4332 Organic Chemistry III (3)**

Pre-requisite(s): CHE 3238 and 3332 with grades of B or above; or consent of instructor

Advanced aspects of organic chemistry, including synthetic strategies and techniques, reaction mechanisms, and an introduction to bio-organic chemistry.

**CHE 4334 Organic Spectroscopy (3)**

Pre-requisite(s): Either CHE 3238 and 3332 with grades of B or above; or CHE 3332 with a grade of B or above and credit or concurrent enrollment in CHE 4237

The most common spectroscopic methods including infrared, ultraviolet-visible, nuclear magnetic resonance and mass spectroscopies, with emphasis on the practical use of NMR and MS in structure determination problems.

**CHE 4341 General Biochemistry (3)**

Pre-requisite(s): CHE 3332 with a grade of C or better  
Structure and dynamics of compounds of biological interest. (Students may not receive credit for both BIO 4307 and CHE 4341.)

**CHE 4342 Topics in Human Biochemistry (3)**

Pre-requisite(s): A grade of C or better in CHE 3332; and either a grade of C or better in CHE 4341 or a grade of B or better in BIO 4307 Topics in selected areas of human biochemistry such as hormone action, neurotransmission, vision, digestion, transport

**CHE 4V60 Special Topics in Chemistry (1-4)**

Pre-requisite(s): CHE 3332 and consent of instructor  
Topics in chemistry not covered in other chemistry courses. May be repeated once for credit if topic is different.

**CHE 4V98 Senior Research Problems (3)**

Pre-requisite(s): CHE 2V98, 3238, and 3332 and consent of instructor  
A research project conducted under the supervision of a Baylor Chemistry/Biochemistry Department faculty member. A minimum of three clock hours of work per week in the laboratory will be required for each semester hour of credit. A written progress report will be submitted to the instructor at the end of each semester. This course may be repeated for a maximum of 6 total hours if research continues. Departmental clearance is required before a grade can be assigned.

**CHE 4V9R Research (3)**

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Chemistry, B.A.

### Requirements for a Major in Chemistry

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

Thirty-four semester hours including the following:

| Required Courses    |   |   |
|---------------------|---|---|
| CHE 1301 & CHE 1101 | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I   | 4 |
| CHE 1302 & CHE 1102 | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II | 4 |
| CHE 2416            | Laboratory Measurements and Techniques                                      | 4 |
| CHE 3331            | Organic Chemistry I   | 3 |
| CHE 3332            | Organic Chemistry II  | 3 |
| CHE 3238            | Organic Chemistry Laboratory  | 2 |
| CHE 4321            | Physical Chemistry I  | 3 |
| CHE 4227            | Physical Chemistry Laboratory I   | 2 |
| CHE 4151            | Undergraduate Seminar I   | 1 |
| CHE 4001            | Exit Examination  | 0 |

Select two semester hours from the following: 2

|          |                                  |
|----------|----------------------------------|
| CHE 4228 | Physical Chemistry Laboratory II |
| CHE 4207 | Preparative Inorganic Chemistry  |
| CHE 4217 | Instrumental Analysis Laboratory |
| CHE 4237 | Advanced Organic Laboratory      |
| CHE 4141 | Modern Biochemistry Laboratory   |

Select six semester hours from the following: 6

|          |                                  |
|----------|----------------------------------|
| CHE 4207 | Preparative Inorganic Chemistry  |
| CHE 4302 | Modern Inorganic Chemistry I     |
| CHE 4316 | Instrumental Analysis            |
| CHE 4217 | Instrumental Analysis Laboratory |
| CHE 4322 | Physical Chemistry II            |
| CHE 4228 | Physical Chemistry Laboratory II |
| CHE 4237 | Advanced Organic Laboratory      |
| CHE 4341 | General Biochemistry             |
| CHE 4141 | Modern Biochemistry Laboratory   |

|                 |  |           |
|-----------------|--|-----------|
| <b>Subtotal</b> |  | <b>34</b> |
|-----------------|--|-----------|

| Required Courses in Other Fields |                    |   |
|----------------------------------|--------------------|---|
| MTH 1321                         | Calculus I         | 3 |
| MTH 1322                         | Calculus II        | 3 |
| MTH 2321                         | Calculus III       | 3 |
| PHY 1420                         | General Physics I  | 4 |
| PHY 1430                         | General Physics II | 4 |

|                    |  |           |
|--------------------|--|-----------|
| <b>Total Hours</b> |  | <b>51</b> |
|--------------------|--|-----------|

## Chemistry (American Chemical Society Certified), B.S.

### Requirements for a Major in Chemistry (American Chemistry Society Certified)

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

Forty-seven or forty-nine semester hours including the following:

| Required Courses |  |  |
|------------------|--|--|
|------------------|--|--|

|                        |  |   |
|------------------------|--|---|
| CHE 1301<br>& CHE 1101 | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I   | 4 |
| CHE 1302<br>& CHE 1102 | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II | 4 |
| CHE 2416               | Laboratory Measurements and Techniques   | 4 |
| CHE 3331               | Organic Chemistry I  | 3 |
| CHE 3332               | Organic Chemistry II   | 3 |
| CHE 3238               | Organic Chemistry Laboratory   | 2 |
| CHE 4001               | Exit Examination   | 0 |
| CHE 4227               | Physical Chemistry Laboratory I  | 2 |
| CHE 4228               | Physical Chemistry Laboratory II   | 2 |
| CHE 4151               | Undergraduate Seminar I  | 1 |
| CHE 4302               | Modern Inorganic Chemistry I   | 3 |
| CHE 4316               | Instrumental Analysis  | 3 |
| CHE 4321               | Physical Chemistry I   | 3 |
| CHE 4322               | Physical Chemistry II  | 3 |
| CHE 4341               | General Biochemistry   | 3 |

**Concentrations**

Select one of the following concentrations: 7-9

**Chemistry Concentration**

CHE 4307 Modern Inorganic Chemistry II

Select six semester hours from the following:

CHE 4207 Preparative Inorganic Chemistry

CHE 4207 Preparative Inorganic Chemistry

CHE 4237 Advanced Organic Laboratory

CHE 4199 Senior Thesis  
& CHE 4V98 and Senior Research Problems**Biochemistry Concentration**<sup>1</sup>

CHE 4141 Modern Biochemistry Laboratory

CHE 4142 Advanced Biochemistry Laboratory

CHE 4342 Topics in Human Biochemistry

Select two semester hours from the following:

CHE 4217 Instrumental Analysis Laboratory

CHE 4237 Advanced Organic Laboratory

CHE 4207 Preparative Inorganic Chemistry

CHE 4199 Senior Thesis  
& CHE 4V98 and Senior Research Problems**Subtotal** 47-49**Required Courses in Other Fields**PHY 1420 General Physics I  
& PHY 1430 and General Physics II 8

MTH 1321 Calculus I 3

MTH 1322 Calculus II 3

MTH 2321 Calculus III 3

Select one of the following: 3

MTH 3325 Ordinary Differential Equations<sup>1</sup>

STA 2381 Introductory Statistical Methods

STA 3381 Probability and Statistics

For students pursuing a concentration in Biochemistry, the following is required:<sup>2</sup> 8BIO 1305 Modern Concepts of Bioscience  
& BIO 1105 and Modern Concepts of Bioscience  
Laboratory

or BIO 1405 Investigations of Modern Biology Concepts I

BIO 1306 Modern Concepts of Bioscience, continued  
& BIO 1106 and Modern Concepts of Bioscience  
Laboratory

or BIO 1406 Investigations of Modern Biology Concepts II

<sup>1</sup> MTH 3325 Ordinary Differential Equations is recommended unless the student is pre-health.<sup>2</sup> BIO 4306 Molecular Genetics and Genomics is recommended as a general elective.

## Chemistry, B.S.

### Requirements for a Major in Chemistry

*This degree plan is not certified by the American Chemical Society.***Code Title Hours**

Forty-one semester hours including the following:

**Required Courses**CHE 1301 Basic Principles of Modern Chemistry I  
& CHE 1101 and General Chemistry Laboratory I 4CHE 1302 Basic Principles of Modern Chemistry II  
& CHE 1102 and General Chemistry Laboratory II 4

CHE 2416 Laboratory Measurements and Techniques 4

CHE 3331 Organic Chemistry I 3

CHE 3332 Organic Chemistry II 3

CHE 3238 Organic Chemistry Laboratory 2

CHE 4001 Exit Examination 0

CHE 4227 Physical Chemistry Laboratory I 2

CHE 4151 Undergraduate Seminar I 1

CHE 4321 Physical Chemistry I 3

Four semester hours of 4000-level CHE labs 4

Eleven semester hours of 4000-level CHE<sup>1,2</sup> 11**Subtotal** 41**Required Courses in Other Fields**

MTH 1321 Calculus I 3

MTH 1322 Calculus II 3

MTH 2321 Calculus III 3

PHY 1420 General Physics I 4

PHY 1430 General Physics II 4

**Total Hours** 58<sup>1</sup> Excluding CHE 4327 Physical Chemistry for the Life Sciences. A maximum of three semester hours of CHE 4V98 Senior Research Problems may count toward this requirement.<sup>2</sup> Curricula that meet the requirements for a B.S. degree plan can be tailored to individual student interests in the following areas: analytical, biochemistry, inorganic, organic, or physical chemistry. The degree plan with a concentration in biochemistry is excellent preparation for premedical or predental students or for students interested in medical research. Undergraduate research in chemistry is strongly encouraged.



## Chemistry - Secondary Major

### Requirements for a Secondary Major in Chemistry

| Code  | Title   | Hours     |
|---|---|-----------|
| Thirty-nine semester hours including the following: |   |           |
| <b>Required Courses</b>                             |   |           |
| CHE 1301 & CHE 1101                                 | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I   | 4         |
| CHE 1302 & CHE 1102                                 | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II | 4         |
| CHE 2416  | Laboratory Measurements and Techniques                                      | 4         |
| CHE 3331  | Organic Chemistry I   | 3         |
| CHE 3332  | Organic Chemistry II  | 3         |
| CHE 3238  | Organic Chemistry Laboratory  | 2         |
| CHE 4001  | Exit Examination  | 0         |
| CHE 4151  | Undergraduate Seminar I   | 1         |
| CHE 4227  | Physical Chemistry Laboratory I   | 2         |
| CHE 4321  | Physical Chemistry I  | 3         |
| Four semester hours of 4000-level CHE labs          |   | 4         |
| Nine semester hours of 4000-level CHE <sup>1</sup>  |   | 9         |
| <b>Subtotal</b>                                     |   | <b>39</b> |
| <b>Required Courses in Other Fields</b>             |   |           |
| MTH 1321  | Calculus I  | 3         |
| MTH 1322  | Calculus II   | 3         |
| MTH 2321  | Calculus III  | 3         |
| PHY 1420  | General Physics I   | 4         |
| PHY 1430  | General Physics II  | 4         |
| <b>Total Hours</b>                                  |   | <b>56</b> |

<sup>1</sup> excluding CHE 4327 Physical Chemistry for the Life Sciences

## Chemistry Minor

### Requirements for a Minor in Chemistry

| Code   | Title   | Hours     |
|--|---|-----------|
| Twenty-three semester hours including the following: |   |           |
| <b>Required Courses</b>                              |   |           |
| CHE 1301 & CHE 1101                                  | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I   | 4         |
| CHE 1302 & CHE 1102                                  | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II | 4         |
| CHE 2416   | Laboratory Measurements and Techniques                                      | 4         |
| CHE 3331   | Organic Chemistry I   | 3         |
| CHE 3332   | Organic Chemistry II  | 3         |
| CHE 3238   | Organic Chemistry Laboratory  | 2         |
| Three semester hours of 4000-level CHE <sup>1</sup>  |   | 3         |
| <b>Total Hours</b>                                   |   | <b>23</b> |

<sup>1</sup> Excluding CHE 4151 Undergraduate Seminar I. A maximum of two semester hours of CHE 4V98 Senior Research Problems is allowed and must be accompanied by CHE 4199 Senior Thesis.

## Biochemistry, B.A.

This program is designated for students who plan to attend professional schools in health-related areas, such as medicine or dentistry.

### Requirements for a Major in Biochemistry

| Code  | Title  | Hours     |
|---|--|-----------|
| Thirty-four semester hours including the following: |  |           |
| <b>Required Courses</b>                             |  |           |
| CHE 1301 & CHE 1101                                 | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I  | 4         |
| CHE 1302 & CHE 1102                                 | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II                                      | 4         |
| CHE 2416  | Laboratory Measurements and Techniques   | 4         |
| CHE 3238  | Organic Chemistry Laboratory   | 2         |
| CHE 3331  | Organic Chemistry I  | 3         |
| CHE 3332  | Organic Chemistry II   | 3         |
| CHE 4001  | Exit Examination   | 0         |
| CHE 4225  | Biophysical Chemistry Laboratory   | 2         |
| CHE 4141  | Modern Biochemistry Laboratory   | 1         |
| CHE 4151  | Undergraduate Seminar I  | 1         |
| CHE 4327  | Physical Chemistry for the Life Sciences   | 3         |
| CHE 4341  | General Biochemistry   | 3         |
| CHE 4342  | Topics in Human Biochemistry   | 3         |
| One semester hour of 4000-level CHE <sup>1</sup>    |  | 1         |
| <b>Subtotal</b>                                     |  | <b>34</b> |
| <b>Required Courses in Other Fields</b>             |  |           |
| BIO 1305 & BIO 1105                                 | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory                                       | 4         |
| or BIO 1405   | Investigations of Modern Biology Concepts I  |           |
| BIO 1306 & BIO 1106                                 | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory                            | 4         |
| or BIO 1406   | Investigations of Modern Biology Concepts II   |           |
| MTH 1321  | Calculus I   | 3         |
| MTH 1322  | Calculus II  | 3         |
| Select one of the following sequences:              |  | 8         |
| PHY 1408 & PHY 1409                                 | General Physics for Natural and Behavioral Sciences I and General Physics for Natural and Behavioral Sciences II |           |
| PHY 1420 & PHY 1430                                 | General Physics I and General Physics II   |           |
| <b>Total Hours</b>                                  |  | <b>56</b> |

<sup>1</sup> Excluding CHE 4321 Physical Chemistry I and CHE 4151 Undergraduate Seminar I

## Biochemistry, B.S.

This program is appropriate for students who are planning to attend graduate school in biochemistry or a related area, and are interested in health-related professions (pre-medicine, pre-dentistry, pre-pharmacy, or pre-veterinary science), or who plan careers in medical research or in industrial fields related to biotechnology.

### Requirements for a Major in Biochemistry

| Code   | Title   | Hours     |
|--|---|-----------|
| Thirty-nine semester hours including the following:  |   |           |
| <b>Required Courses</b>                              |   |           |
| CHE 1301 & CHE 1101                                  | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             | 4         |
| CHE 1302 & CHE 1102                                  | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           | 4         |
| CHE 2416   | Laboratory Measurements and Techniques  | 4         |
| CHE 3331   | Organic Chemistry I   | 3         |
| CHE 3332   | Organic Chemistry II  | 3         |
| CHE 3238   | Organic Chemistry Laboratory  | 2         |
| CHE 4001   | Exit Examination  | 0         |
| CHE 4225   | Biophysical Chemistry Laboratory  | 2         |
| CHE 4141   | Modern Biochemistry Laboratory  | 1         |
| CHE 4142   | Advanced Biochemistry Laboratory  | 1         |
| CHE 4151   | Undergraduate Seminar I   | 1         |
| CHE 4327   | Physical Chemistry for the Life Sciences  | 3         |
| CHE 4341   | General Biochemistry  | 3         |
| CHE 4342   | Topics in Human Biochemistry  | 3         |
| Five semester hours of 4000-level CHE <sup>1</sup>   |   | 5         |
| <b>Subtotal</b>                                      |   | <b>39</b> |
| <b>Required Courses in Other Fields</b>              |   |           |
| BIO 1305 & BIO 1105                                  | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            | 4         |
| or BIO 1405  | Investigations of Modern Biology Concepts I   |           |
| BIO 1306 & BIO 1106                                  | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory | 4         |
| or BIO 1406  | Investigations of Modern Biology Concepts II  |           |
| Two 2000-4000 level, 3-4 hr BIO courses <sup>2</sup> |   | 6         |
| MTH 1321   | Calculus I  | 3         |
| MTH 1322   | Calculus II   | 3         |
| PHY 1420   | General Physics I   | 4         |
| PHY 1430   | General Physics II  | 4         |
| <b>Total Hours</b>                                   |   | <b>67</b> |

<sup>1</sup> Excluding CHE 4321 Physical Chemistry I and CHE 4151 Undergraduate Seminar I. It is recommended that CHE 4316 Instrumental Analysis be included in the five hour total. A maximum of three semester hours of CHE 4V98 Senior Research Problems may count toward this requirement. Undergraduate research in chemistry is strongly encouraged.

<sup>2</sup> It is recommended that BIO 4306 Molecular Genetics and Genomics - BIO 4106 Molecular Genetics and Genomics Laboratory be taken as one of the two courses. BIO 2401 Human Anatomy and Physiology of Motion and Innervation and BIO 2402 Human Anatomy and Physiology

of Metabolism and Processing cannot be used to complete this requirement.

### Biochemistry - Secondary Major Requirements for Secondary Major in Biochemistry

| Code   | Title   | Hours     |
|--|---|-----------|
| Thirty-seven semester hours including the following: |   |           |
| <b>Required Courses</b>                              |   |           |
| CHE 1301 & CHE 1101                                  | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             | 4         |
| CHE 1302 & CHE 1102                                  | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           | 4         |
| CHE 2416   | Laboratory Measurements and Techniques  | 4         |
| CHE 3331   | Organic Chemistry I   | 3         |
| CHE 3332   | Organic Chemistry II  | 3         |
| CHE 3238   | Organic Chemistry Laboratory  | 2         |
| CHE 4001   | Exit Examination  | 0         |
| CHE 4141   | Modern Biochemistry Laboratory  | 1         |
| CHE 4142   | Advanced Biochemistry Laboratory  | 1         |
| CHE 4151   | Undergraduate Seminar I   | 1         |
| CHE 4225   | Biophysical Chemistry Laboratory  | 2         |
| CHE 4327   | Physical Chemistry for the Life Sciences  | 3         |
| CHE 4341   | General Biochemistry  | 3         |
| CHE 4342   | Topics in Human Biochemistry  | 3         |
| Three semester hours of 4000-level CHE <sup>1</sup>  |   | 3         |
| <b>Subtotal</b>                                      |   | <b>37</b> |
| <b>Required Courses in Other Fields</b>              |   |           |
| BIO 1305 & BIO 1105                                  | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            | 4         |
| or BIO 1405  | Investigations of Modern Biology Concepts I   |           |
| BIO 1306 & BIO 1106                                  | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory | 4         |
| or BIO 1406  | Investigations of Modern Biology Concepts II  |           |
| Two 2000-4000 level, 3-4 hr BIO courses <sup>2</sup> |   | 6         |
| MTH 1321   | Calculus I  | 3         |
| MTH 1322   | Calculus II   | 3         |
| PHY 1408   | General Physics for Natural and Behavioral Sciences I                                 | 4         |
| or PHY 1420  | General Physics I   |           |
| PHY 1409   | General Physics for Natural and Behavioral Sciences II                                | 4         |
| or PHY 1430  | General Physics II  |           |
| <b>Total Hours</b>                                   |   | <b>65</b> |

<sup>1</sup> A maximum of three semester hours of CHE 4V98 Senior Research Problems may count toward this requirement.

<sup>2</sup> BIO 2401 Human Anatomy and Physiology of Motion and Innervation and BIO 2402 Human Anatomy and Physiology of Metabolism and Processing cannot be used to complete this requirement.

## Biochemistry Minor

### Requirements for a Minor in Biochemistry

| Code  | Title  | Hours     |
|---|--|-----------|
| Twenty-two semester hours of chemistry including the following: |  |           |
| <b>Required Courses</b>   |  |           |
| CHE 1301<br>& CHE 1101  | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I   | 4         |
| CHE 1302<br>& CHE 1102  | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II | 4         |
| CHE 3331  | Organic Chemistry I  | 3         |
| CHE 3332  | Organic Chemistry II   | 3         |
| CHE 3238  | Organic Chemistry Laboratory   | 2         |
| Select six semester hours from the following:                   |  | 6         |
| CHE 4327  | Physical Chemistry for the Life Sciences                                       |           |
| CHE 4341  | General Biochemistry   |           |
| CHE 4342  | Topics in Human Biochemistry   |           |
| <b>Total Hours</b>  |  | <b>22</b> |

## Joint Bachelor of Arts/Master of Arts in Teaching (with Teacher Certification)

To earn the joint BA/MAT in Biochemistry or Chemistry, a student must complete all basic requirements for the BA degree with a major in the Department of Chemistry and Biochemistry, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission).

## Joint Bachelor of Science/Master of Arts in Teaching (with Teacher Certification)

To earn the joint BS/MAT in Biochemistry or Chemistry, a student must complete all basic requirements for the BS degree with a major in the Department of Chemistry and Biochemistry, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission).

## Classics

The Classics department is engaged in teaching and research in areas ranging all the way from Homer, through the Classical texts of Greece and Rome, Early Christian texts, and Patristic texts, to the reception of classical authors in the medieval period. Our majors and minors emphasize mastery of Greek and Latin and vigorous discussion of the seminal and enduring ideas and questions.

## Classics

- Classics, B.A. (p. 105)
- Classics - Secondary Major (p. 105)

- Classics Minor (p. 105)
- Joint Bachelor of Arts/Master of Arts in Classics (p. 105)

### Greek

- Greek, B.A. (p. 106)
- Greek - Secondary Major (p. 106)
- Greek Minor (p. 106)

### Latin

- Latin, B.A. (p. 106)
- Latin - Secondary Major (p. 106)
- Latin Minor (p. 106)

### Greek and Roman Studies

- Greek and Roman Studies, B.A. (p. 106)
- Greek and Roman Studies - Secondary Major (p. 107)
- Greek and Roman Studies Minor (p. 108)

## Classics (CLA)

#### CLA 1300 Special Topics in Classics (3)

Introductory topics in Classical literature and culture not covered by regular course offerings. May be repeated once with a change in content or topic.

#### CLA 1301 Word Power (3)

Designed to help students develop their English vocabulary by examining the Latin and Greek vocabulary bases, prefixes and suffixes from which English evolved as well as commonly used Greek and Latin words and phrases.

#### CLA 1304 From Ancient Rhetoric to Modern Research Writing (3)

Instruction in research methods and the techniques of critical and persuasive writing, drawing from the rich tradition of ancient Greek and Roman rhetoric and literature.

#### CLA 1305 Heroes and Heroines of the Ancient World (3)

Heroes and heroines of ancient world through readings in translation, including Adam and Eve, Jesus and Mary, Rama and Sita, Heracles and Deianeira, Odysseus and Penelope, King Arthur and Guinevere, and others. Students will also be introduced to the theories of Lord Raglan, Joseph Campbell, Vladimir Propp, and Claude Levi-Strauss.

#### CLA 1V9R Research (3)

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

#### CLA 2300 Special Topics in Classics (3)

Introductory topics in Classical literature and culture not covered by regular course offerings. This course may be repeated once with a change in content or topic.

#### CLA 2301 Literature of Ancient Greece (3)

Ancient Greek literature, emphasizing the works of major writers such as Homer, Herodotus, Thucydides, Plato, Aristotle, the orators, and comic and tragic poets. All readings are in English translation.

#### CLA 2302 Literature of Ancient Rome (3)

Literature of the Roman republic and empire, covering authors and texts over a range of around 600 years, from Plautus (ca. 200 BC) to Augustine (ca. 400 AD). Focus is on the major literary figures from this period, their works, and their social and historical contexts. All readings are in English translation.

**CLA 2306 Greek and Roman Mythology (3)**

Myths of ancient Greece and Rome in their historical and cultural context with attention to the ways in which these myths have been interpreted and used. A student with credit in CLA 3380 may not earn credit for CLA 2306.

**CLA 2310 Greek and Roman Religion (3)**

Examines the varieties of religious experience in the ancient Greco-Roman world. Sources include literary texts as well as material culture, and the approach is interdisciplinary.

**CLA 2V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**CLA 3300 Special Topics in Classics (3)**

Intermediate topics in Classical literature and culture not covered by regular course offerings. This course may be repeated once with a change in content or topic.

**CLA 3301 Roman History and Civilization (3)**

Cross-listed as HIS 3324

History and culture of the ancient Romans from the founding of the city through the reign of Constantine ending in A.D. 337 with attention to literature, religion, political institutions, social issues, philosophy, and art.

**CLA 3302 Greek History and Civilization (3)**

Cross-listed as HIS 3322

History and culture of the ancient Greeks from the Bronze Age through the Classical period ending in 323 B.C. with attention to literature, religion, political institutions, social issues, philosophy, and art.

**CLA 3303 Hellenistic History and Civilization (3)**

Cross-listed as HIS 3323

History and culture of the Greeks and Macedonians from the reign of Alexander the Great (336-323 BC) through the death of Cleopatra (30 BC) with attention to developments in literature, religion, philosophy, art, political institutions, and social issues; interactions between Greeks and peoples of Asia and Egypt; the Greek experience of Roman imperialism.

**CLA 3304 Byzantine History and Civilization (3)**

Cross-listed as HIS 3339

The history and culture of the Byzantines (Eastern Romans) from their roots in the third-century crisis of the Roman Empire through the fall of Constantinople in AD 1453.

**CLA 3310 Ancient Epic (3)**

An intensive study of ancient epic with the goal of understanding the structure, nature, and social functions of the genre. The selection of readings, in English translation, may range from Gilgamesh through the Roman poet Statius.

**CLA 3311 Greek Tragedy (3)**

An intensive study of Greek tragedy with the goal of understanding the structure, nature, and social functions of the genre with an emphasis on 5th and 4th century Athens. Readings consist primarily of plays by Aeschylus, Sophocles, and Euripides in English translation.

**CLA 3315 Ancient Drama in Performance (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Ancient Greek and Roman plays as performative works. Includes recreating and staging performances of scenes from ancient Greek and Roman plays, informed by ancient performance practice.

**CLA 3321 Topography of Rome and Pompeii (3)**

Detailed study of the buildings and monuments of Ancient Rome and Pompeii. Readings include primary sources and analyses of excavated material.

**CLA 3330 Women and Gender in Antiquity (3)**

Explores the lives of women in ancient Greece and Rome and their representation in art and literature. Also includes modern theories and definitions of gender.

**CLA 3340 Race and Ethnicity in Classical Antiquity (3)**

Explores how the ancient Greeks and Romans conceptualized race and ethnicity and how they dealt with racial and ethnic differences in their encounters with other peoples. Includes modern debates about race, ethnicity, and identity.

**CLA 3350 Ancient Warfare (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The military cultural experience of ancient Greece and Rome, drawing upon ancient literary, artistic, and documentary sources.

**CLA 3352 Greek Art and Archaeology (3)**

Cross-listed as ARTH 3352

See ARTH 3352 for course description.

**CLA 3353 Roman Art and Archaeology (3)**

Cross-listed as ARTH 3353

See ARTH 3353 for course information.

**CLA 3380 Classical Mythology (3)**

Detailed study of the myths of the Greeks and Romans; Greek and Roman personal religion and folklore. (No credit toward the foreign language requirement.) A student with credit in CLA 2306 may not earn credit in CLA 3380.

**CLA 3381 Medical Terminology (3)**

Study of the medical vocabulary of English, based upon Greek and Latin prefixes, stems, and suffixes.

**CLA 3V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**CLA 4300 Medicine and Healing in the Ancient World (3)**

Survey of the theory, practice, and literature of western scientific medicine from Hippocrates and the Greeks through the Roman period.

**CLA 4301 Principles of Classical Studies (3)**

Pre-requisite(s): Upper-level standing

Examination of the major historical figures and intellectual trends of the classical world and examination of the professional life and work of classicists.

**CLA 4311 Archaeology of Greece (3)**

Pre-requisite(s): Consent of instructor

Study of the monuments, art, and topographical archaeology of Greece from the Bronze Age through Late Antiquity.

**CLA 4315 Ancient Greek Religion (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Study of Ancient Greek religion through the literary, artistic, and archaeological sources.

**CLA 4331 The Archaeology of Sicily and Southern Italy (3)**

Study of monuments and topographical archaeology of southern Italy and Sicily. Readings include primary sources and analyses of excavated material.

**CLA 4340 Special Topics in Classics (3)**

Advanced topics in Classical literature and culture not covered by regular course offerings. This course may be repeated once with a change in content or topic.

**CLA 4350 Augustine's Theological Development (3)**

Cross-listed as REL 4350

See REL 4350 for course information.

**CLA 4356 Christian Persecution and Martyrdom in the Roman World (3)**

Cross-listed as REL 4356

Pre-requisite(s): Upper-level standing or consent of instructor

Ancient sources in translation on martyrdom in the Roman world. Topics might include the evolving understanding of martyrdom, the development of Christian doctrine on martyrdom, Roman motives for persecuting Christians, and the status of those who fled persecution or surrendered themselves to it.

**CLA 4357 Pagans and Christians in the Later Roman World (3)**

Cross-listed as REL 4357

Pre-requisite(s): Upper-level standing or consent of instructor

Developments in Greco-Roman pagan religion and Christianity in the fourth century. Topics might include commonalities and differences between paganism and Christianity, competition for believers, rivalries between thinkers, the development of Christian identity in a pagan world, the role of Roman imperial authority in arbitrating between these traditions.

**CLA 4360 Indo-European Language and Culture (3)**

Pre-requisite(s): LAT 2310 or GKC 2310; consent of instructor

The linguistic similarities of the Indo-European language, such as Greek, Latin, and Sanskrit, and their cultural manifestations.

**CLA 4361 Greek Painted Pottery (3)**

Cross-listed as ARTH 4361

See ARTH 4361 for course description.

**CLA 4364 Roman Sculpture (3)**

Cross-listed as ARTH 4364

See ARTH 4364 for course information.

**CLA 4368 Special Topics in Greek and Roman Art and Archaeology (3)**

Cross-listed as ARTH 4368

See ARTH 4368 for course information.

**CLA 4369 Greek and Roman Sport and Spectacle (3)**

Cross-listed as ARTH 4369

See ARTH 4369 for course information.

**CLA 4V01 Topics in Classical Literature (1-3)**

Pre-requisite(s): Consent of instructor

Various texts to be read (in translation) are selected to meet the needs of the student. With content changed, this course may be repeated up to a total of six semester hours.

**CLA 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Greek (GRK)

**GRK 1301 Elementary Greek I (3)**

The basic elements of Classical and Koine Greek and culture, emphasizing both Classical and New Testament authors.

**GRK 1302 Elementary Greek II (3)**

Pre-requisite(s): GRK 1301 or departmental placement

Continuation of GRK 1301.

**GRK 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**GRK 2310 Intermediate Greek Prose (3)**

Pre-requisite(s): GRK 1302 or departmental placement

Attic prose readings and selections from the New Testament, with review of inflection and syntax and discussion of the relationship between Classical and Christian texts.

**GRK 2320 Intermediate Greek Poetry (3)**

Pre-requisite(s): GRK 1302 or departmental placement

Readings in Homer's *Odyssey* with continued emphasis on Greek inflection and syntax and on the interpretive relationship between Classical and Christian texts.

**GRK 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**GRK 3302 Greek Historians (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor

The principles of Greek historiography emphasizing Herodotus, Thucydides, and other Greek historians.

**GRK 3303 Greek Tragedy (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor

Greek drama, emphasizing Aeschylus, Sophocles, and Euripides.

**GRK 3305 Classical Rhetoric and the Christian Tradition (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor

Selections from Plato, Aristotle, Lysias, Demosthenes, and the Church Fathers which reflect the principles of classical rhetoric and its importance to the theology and preaching of the early church. Attention will also be given to modern homiletics.

**GRK 3306 Alexander the Great (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor

Readings on the life and times of Alexander the Great.

**GRK 3307 Sicilian Narratives (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor

Readings in ancient Greek associated with the island of Sicily. Readings will come from authors such as Homer, Euripides, or Thucydides.

**GRK 3311 Greek Epigraphy (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor

Epigraphical documents generally comprise those texts incised in durable material—stone, bronze, lead, et cetera. This seminar examines both the contents of those epigraphical documents that survive from Antiquity and the contexts within which they were created. As such, it serves as a general introduction to epigraphical sources and methods, as well as to the ways in which epigraphical information can be used to study ancient society. By offering for study diverse epigraphical examples from various periods of Antiquity, the course will introduce basic bibliography, major collections of documents, research and field methodology (including the study of inscriptions in museums and archaeological sites in mainland Italy and Sicily), and the use of electronic resources available for epigraphical studies.

**GRK 3351 The Epistles (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor

The letter-form, a genre common in Greek and Roman literature and the dominant structural form of the New Testament, as exemplified in the Pauline and General Epistles.



**GRK 3352 Hellenistic Greek (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Literature of the Hellenistic period (323 - 31 BC) with additional attention on New Testament backgrounds, in particular Philo and Josephus.

**GRK 3354 Apocalyptic Literature (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Apocalyptic literature of the New Testament, including selections from the Gospels, Jude, the Epistles of Peter, the Shepherd of Hermas and the Revelation of John.

**GRK 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**GRK 4301 Readings from Greek Literature (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Readings from Greek authors including either Classical authors or portions of the New Testament, and related background texts. With content changed, this course may be repeated up to a total of nine semester hours.

**GRK 4302 Greek Lyric Poetry (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Readings may include selections from Archilochus, Sappho, Alcaeus, Stesichorus, Anacreon, Simonides, and others.

**GRK 4303 Homer's Iliad (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Readings from the Iliad with emphasis on the characteristics of the archaic oral tradition, as the foundation of Greek literature.

**GRK 4304 Greek Comedy (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selected plays of Aristophanes and Menander, emphasizing the style and structure of Greek comedy, and its importance in Greek society for understanding of the comic tradition.

**GRK 4305 Plato: Selected Writings (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selected readings in Greek from the writings of Plato. With content changed, this course may be repeated up to a total of six semester hours.

**GRK 4306 Aristotle: Selected Writings (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selected readings in Greek from the writings of Aristotle. With content changed, this course may be repeated up to a total of six semester hours.

**GRK 4307 Readings in Attic Oratory (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selections from representative Greek orators, such as Antiphon, Andocides, Lysias, Isocrates and Isaeus.

**GRK 4308 Greek Prose Composition (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Translation of English text into classical Greek.

**GRK 4309 The Gods of the Greeks (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor; and upper-level standing  
Selected readings in Greek from writings (e.g., Hesiod's Theogony and the Homeric Hymns) dealing with the gods of the Greeks.

**GRK 4310 Stoics/Epicureans Reading the Ancient Sources (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selected readings in Greek dealing with the Stoic and Epicurean philosophers and their respective philosophical systems.

**GRK 4351 The Gospels and New Testament Criticism (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Readings in the Gospels emphasizing the history of New Testament criticism and interpretation. Attention will also be given to the writings of the Church Fathers, as well as to recent methodologies.

**GRK 4352 The Septuagint (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
The Septuagint as an example of the interaction between the Hebrew, Greek, and Roman worlds.

**GRK 4353 Lives of the Early Christian Saints (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selected readings in Greek about the lives of the saints of the early church.

**GRK 4V01 Readings from Greek Literature (1-3)**

Pre-requisite(s): GRK 2310 2320 and consent of the instructor  
Greek authors selected to meet the needs of the student. With content changed, this course may be repeated up to a total of nine semester hours.

**GRK 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Latin (LAT)

**LAT 1301 Elementary Latin I (3)**

The basic elements of classical Latin grammar and Roman culture, with readings emphasizing ethics, history, morality, philosophy, and mythology.

**LAT 1302 Elementary Latin II (3)**

Pre-requisite(s): LAT 1301 or departmental placement  
Continuation of LAT 1301.

**LAT 1401 Beginning Latin (4)**

Pre-requisite(s): Consent of the department  
Introduction to the Latin language including the same inflection, syntax and easy reading as LAT 1301. Teaching strategies differ from those of the traditional Latin class, including more contact hours and a variety of teaching techniques with emphasis on repetition of particular structures.

**LAT 1402 Beginning Latin (4)**

Pre-requisite(s): Consent of the department  
Introduction to the Latin language including the same inflection, syntax and easy reading as LAT 1302. Teaching strategies differ from those of the traditional Latin class, including more contact hours and a variety of teaching techniques with emphasis on repetition of particular structures.

**LAT 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**LAT 2105 Conversational Latin (1)**

Pre-requisite(s): LAT 1302 or equivalent  
Build fluency and understanding in Latin by learning to use Latin actively, in speech and in writing, enabling students to read and understand written Latin texts more quickly and easily.

**LAT 2310 Intermediate Latin Prose (3)**

Pre-requisite(s): LAT 1302 or departmental placement  
Selections from Latin prose authors, such as Cicero; review of inflection and syntax.

**LAT 2315 Intermediate Latin (3)**

Pre-requisite(s): LAT 1302 or three units of high school Latin  
 Selections from Julius Caesar; review of inflection and syntax.

**LAT 2320 Intermediate Latin Poetry (3)**

Pre-requisite(s): LAT 1302 or departmental placement  
 Selections from Latin poets, such as Virgil and Catullus; review of inflection and syntax.

**LAT 2401 Intermediate Latin (Prose) (4)**

Pre-requisite(s): LAT 1402 and consent of instructor  
 Selections from representative Latin authors, including Caesar, Cicero, and Apuleius; review of inflection and syntax.

**LAT 2402 Intermediate Latin (Poetry) (4)**

Pre-requisite(s): LAT 1402 or 2401, and consent of instructor  
 Selections from representative Latin authors including Vergil, Ovid, Catullus, Propertius, and Tibullus; review of inflection and syntax.

**LAT 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
 Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**LAT 3301 Lucretius (3)**

Pre-requisite(s): LAT 2310 and 2320 or consent of instructor  
 Selections from the *De Rerum Natura*.

**LAT 3302 Livy (3)**

Pre-requisite(s): LAT 2310 and 2320 or equivalent  
 Selections from the Roman historian Livy.

**LAT 3303 Tacitus (3)**

Pre-requisite(s): Two 3000 level courses in Latin or consent of instructor  
 Selections from the Roman historian Tacitus.

**LAT 3304 Pliny and Martial (3)**

Pre-requisite(s): Two 3000 level courses in Latin or consent of instructor  
 Selections from the Letters and the Epigrams.

**LAT 3305 Cicero, Philosophical Writings (3)**

Pre-requisite(s): LAT 2310 and 2320  
 Selections from the philosophical writings of Cicero.

**LAT 3306 Sallust (3)**

Pre-requisite(s): LAT 2310 and 2320 or consent of instructor  
 Detailed study of selections from the works of Sallust.

**LAT 3307 Julius Caesar: Reading the Ancient Sources (3)**

Pre-requisite(s): LAT 2310 and 2320 or consent of instructor  
 Readings on the life and times of Gaius Julius Caesar.

**LAT 3308 Readings in Imperial Epic (3)**

Pre-requisite(s): LAT 2320 or consent of instructor  
 Study of imperial epic poetry (selections from Lucan, Statius, Silius, Valerius Flaccus) and its significance for the development of Roman imperial ideology.

**LAT 3309 Ovid's Metamorphoses (3)**

Pre-requisite(s): LAT 2320 or consent of instructor  
 Study of Ovid's epic poem, *Metamorphoses*.

**LAT 3311 Epistles and Epigraphy of Rome (3)**

Pre-requisite(s): LAT 2310 and 2320 or consent of instructor  
 Latin inscriptions and selected letters of Cicero, Seneca, and Pliny.

**LAT 3312 Augustine (3)**

Pre-requisite(s): LAT 2310, 2320 or 2401  
 Selected readings of St. Augustine.

**LAT 3350 Roman Drama: Senecan Tragedies (3)**

Pre-requisite(s): LAT 2320 or consent of instructor  
 Study of Seneca's tragedies, the Euripidean influence, and their impact on world theatre.

**LAT 3351 Roman Comedy (3)**

Pre-requisite(s): LAT 2310 and 2320 or equivalent  
 Selected plays of Plautus and Terence.

**LAT 3352 Roman Lyric and Elegy (3)**

Pre-requisite(s): LAT 2310 and 2320 or equivalent  
 Selections from the poetry of Catullus, Propertius, Tibullus, and Ovid.

**LAT 3353 Roman Satire (3)**

Pre-requisite(s): LAT 2310 and 2320 or equivalent  
 Selected satires of Horace and Juvenal.

**LAT 3354 Horace (3)**

Pre-requisite(s): LAT 2320 or consent of instructor  
 Selections from the poetry of Horace.

**LAT 3390 Medieval Latin Prose (3)**

Pre-requisite(s): LAT 1302 or three units of high school Latin or consent of instructor  
 Selections from representative prose authors, including Peter Abelard, Bede, Ekkehard of Aura, Petrarch, Erasmus, Thomas More; review of inflection and syntax.

**LAT 3395 Medieval Latin Poetry (3)**

Pre-requisite(s): LAT 2310 and 2320  
 Selections from representative poetic styles and poets; authors may include St. Columba, Fortunatus, Paulus Diaconus, Reinardus Vulpes, Walter Map, Hrotsvitha of Gandersheim, and Gulielmus Gnapheus; review of inflection and syntax.

**LAT 3396 Classical and Medieval Drama: Terence and Hrotsvitha of Gandersheim (3)**

Pre-requisite(s): LAT 2310 or higher  
 A Comparative Reading in Latin of selections of Terence's six comedies and Hrotsvitha's six medieval plays on Christian themes, inspired by Terence and transformed into a Christian context.

**LAT 3397 Medieval Latin Religious Drama (3)**

Pre-requisite(s): LAT 2310 or higher  
 A Reading in Latin of selections of mystery, morality, and miracle plays from the 10th to the 14th century on Old and New Testament topics.

**LAT 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
 Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**LAT 4308 Latin Language Seminar (3)**

Pre-requisite(s): LAT 2320 or consent of instructor  
 Latin grammar, morphology, syntax, and phonology, prose composition, and reading of theoretical texts and analysis of Latin words in passages from ancient authors.

**LAT 4309 Virgil (3)**

Pre-requisite(s): LAT 2310 and 2320  
 Translation from Latin into English of selections from the works of Virgil, especially the Eclogues, Georgics, and/or Aeneid.

**LAT 4310 Augustus: Reading the Ancient Sources (3)**

Pre-requisite(s): LAT 2310 and 2320; or consent of instructor  
 Readings in Latin on the life and times of the Roman emperor Augustus.

**LAT 4311 Latin Prose Composition (3)**

Pre-requisite(s): LAT 2320

Practice in analysis and composition of Latin prose to improve grammar and syntax and promote knowledge and appreciation of Latin prose style.

**LAT 4312 Statius in Medieval and Renaissance Latin Epic (3)**

Pre-requisite(s): LAT 2310; consent of instructor

The influence of Statius and his masterpiece, the Thebaid on Medieval Latin and vernacular epics.

**LAT 4V01 Readings from Latin Literature (1-3)**

Pre-requisite(s): Consent of instructor

Latin authors to be read are selected to meet the needs of the student. With content changed, this course may be repeated up to a total of nine semester hours.

**LAT 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Classics, B.A.

### Requirements for a Major in Classics

| Code   | Title   | Hours     |
|--|---|-----------|
| Thirty semester hours including the following:                 |   |           |
| <b>Required Courses</b>  |   |           |
| GRK 2310   | Intermediate Greek Prose <sup>1</sup>             | 3         |
| GRK 2320   | Intermediate Greek Poetry                         | 3         |
| LAT 2310   | Intermediate Latin Prose <sup>2</sup>             | 3         |
| LAT 2320   | Intermediate Latin Poetry                         | 3         |
| Twelve semester hours of 3000-4000 level courses in GRK or LAT |   | 12        |
| Select six hours from the following:                           |   | 6         |
| CLA 3000-4000 level courses                                    |   |           |
| CLA 3301/<br>HIS 3324  | Roman History and Civilization                    |           |
| CLA 3302/<br>HIS 3322  | Greek History and Civilization                    |           |
| GRK 3000-4000 level courses                                    |   |           |
| LAT 3000-4000 level courses                                    |   |           |
| PHI 3310   | History of Philosophy: Classical Philosophy       |           |
| PSC 3363   | Western Political Thought: Classical and Medieval |           |
| <b>Total Hours</b>   |   | <b>30</b> |

<sup>1</sup> If four high-school units of Greek are presented, GRK 2310 Intermediate Greek Prose is not required.<sup>2</sup> If four high-school units of Latin are presented, LAT 2310 Intermediate Latin Prose is not required.

## Classics - Secondary Major

### Requirements for a Secondary Major in Classics

| Code  | Title | Hours |
|---|-------|-------|
| Twenty-seven hours including the following: |       |       |
| <b>Required Courses</b>                     |       |       |

|   |   |           |
|---|---|-----------|
| GRK 2310  | Intermediate Greek Prose <sup>1</sup>                     | 3         |
| GRK 2320  | Intermediate Greek Poetry <sup>1</sup>                    | 3         |
| LAT 2310  | Intermediate Latin Prose <sup>1</sup>                     | 3         |
| LAT 2320  | Intermediate Latin Poetry <sup>1</sup>                    | 3         |
| Twelve semester hours of 3000-4000 level GRK or LAT courses |   | 12        |
| Select three hours from the following                       |   | 3         |
| CLA 3301/<br>HIS 3324                                       | Roman History and Civilization                            |           |
| CLA 3302/<br>HIS 3322                                       | Greek History and Civilization                            |           |
| CLA 3380  | Classical Mythology                                       |           |
| CLA 3321  | Topography of Rome and Pompeii <sup>2</sup>               |           |
| CLA 4331  | The Archaeology of Sicily and Southern Italy <sup>2</sup> |           |
| GRK 3000-4000 level courses                                 |   |           |
| LAT 3000-4000 level courses                                 |   |           |
| LAT 3311  | Epistles and Epigraphy of Rome <sup>2</sup>               |           |
| LAT 3351  | Roman Comedy <sup>2</sup>                                 |           |
| <b>Total Hours</b>  |   | <b>27</b> |

<sup>1</sup> Or equivalent upper-level hours<sup>2</sup> Course offered during the Baylor in Italy program

## Classics Minor

### Requirements for a Minor in Classics

| Code   | Title   | Hours     |
|--|---|-----------|
| Eighteen semester hours including the following:   |   |           |
| <b>Required Courses</b>  |   |           |
| Three semester hours of 3000-4000 level GRK or LAT courses                                     |   | 3         |
| Select fifteen semester hours from the following, six of which must be at the 3000-4000 level: |   | 15        |
| CLA 3000-4000 level courses  |   |           |
| GRK 2000-4000 level courses  |   |           |
| CLA 3301/<br>HIS 3324  | Roman History and Civilization                    |           |
| CLA 3302/<br>HIS 3322  | Greek History and Civilization                    |           |
| LAT 2000-4000 level courses  |   |           |
| PHI 3310   | History of Philosophy: Classical Philosophy       |           |
| PSC 3363   | Western Political Thought: Classical and Medieval |           |
| <b>Total Hours</b>   |   | <b>18</b> |

## Joint Bachelor of Arts/Master of Arts in Classics

To earn the joint BA/MA in Classics, a student must complete all basic requirements for the BA degree with a major in the Department of Classics, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/classics/joint-bachelor-arts-master-arts-classics/>) for details of graduate requirements, including eligibility and admission).

# Greek, B.A.

## Requirements for a Major in Greek

| Code  | Title                          | Hours     |
|---|--------------------------------|-----------|
| <b>Required Courses</b>   |                                |           |
| Twenty-seven semester hours of GRK, fifteen of which must be at the 3000-4000 level |                                | 27        |
| <b>Subtotal</b>   |                                | <b>27</b> |
| <b>Required Courses in Other Fields</b>   |                                |           |
| CLA 3302/HIS 3322   | Greek History and Civilization | 3         |
| <b>Total Hours</b>  |                                | <b>30</b> |

# Greek - Secondary Major

## Requirements for a Secondary Major in Greek

| Code   | Title   | Hours     |
|--|---|-----------|
| Twenty-seven semester hours including the following: |   |           |
| <b>Required Courses</b>                              |   |           |
| GRK 2310   | Intermediate Greek Prose <sup>1</sup>                     | 3         |
| GRK 2320   | Intermediate Greek Poetry <sup>1</sup>                    | 3         |
| Fifteen hours of 3000-4000 level GRK courses         |   | 15        |
| Select six hours from the following:                 |   | 6         |
| CLA 3302/<br>HIS 3322                                | Greek History and Civilization <sup>2</sup>               |           |
| CLA 4331   | The Archaeology of Sicily and Southern Italy <sup>2</sup> |           |
| GRK 3000-4000 level courses                          |   |           |
| <b>Total Hours</b>                                   |   | <b>27</b> |

<sup>1</sup> Or equivalent upper-level hours.  
<sup>2</sup> Offered during the Baylor in Italy program.

# Greek Minor

## Requirements for a Minor in Greek

| Code   | Title | Hours     |
|--|-------|-----------|
| <b>Required Courses</b>  |       |           |
| Eighteen semester hours of GRK, nine of which must be at the 3000-4000 level |       | 18        |
| <b>Total Hours</b>   |       | <b>18</b> |

# Latin, B.A.

## Requirements for a Major in Latin

| Code  | Title | Hours |
|---|-------|-------|
| <b>Required Courses</b>   |       |       |
| Twenty-seven semester hours of LAT courses, fifteen of which must be at the 3000-4000 level |       | 27    |
| <b>Required Course in other Field</b>   |       |       |

|                    |                                |           |
|--------------------|--------------------------------|-----------|
| CLA 3301/HIS 3324  | Roman History and Civilization | 3         |
| <b>Total Hours</b> |                                | <b>30</b> |

# Latin - Secondary Major

## Requirements for a Secondary Major in Latin

| Code   | Title   | Hours     |
|--|---|-----------|
| Twenty-seven semester hours including the following: |   |           |
| <b>Required Courses</b>                              |   |           |
| LAT 2310   | Intermediate Latin Prose <sup>1</sup>                     | 3         |
| LAT 2320   | Intermediate Latin Poetry <sup>1</sup>                    | 3         |
| Fifteen semester hours of 3000-4000 LAT courses      |   | 15        |
| Six semester hours from the following:               |   | 6         |
| CLA 3301/<br>HIS 3324                                | Roman History and Civilization                            |           |
| CLA 3321   | Topography of Rome and Pompeii <sup>2</sup>               |           |
| CLA 4331   | The Archaeology of Sicily and Southern Italy <sup>2</sup> |           |
| LAT 3311   | Epistles and Epigraphy of Rome <sup>2</sup>               |           |
| LAT 3351   | Roman Comedy <sup>2</sup>                                 |           |
| LAT 3000-4000 level courses                          |   |           |
| <b>Total Hours</b>                                   |   | <b>27</b> |

<sup>1</sup> Or equivalent upper-level hours.  
<sup>2</sup> Courses offered during the Baylor in Italy program.

# Latin Minor

## Requirements for a Minor in Latin

| Code   | Title | Hours     |
|--|-------|-----------|
| <b>Required Courses</b>  |       |           |
| Eighteen semester hours of LAT, nine of which must be at the 3000-4000 level |       | 18        |
| <b>Total Hours</b>   |       | <b>18</b> |

# Greek and Roman Studies, B.A.

This program is appropriate for students with a general interest in antiquity who seek a strong multidisciplinary humanities background, or who seek a broad background prior to advanced study in a related academic discipline or pursuit of a professional degree. Students intending to pursue graduate study in the field of Classics are advised to choose the Classics major.

# Requirements for a Major in Greek and Roman Studies

| Code   | Title   | Hours |
|--|---|-------|
| Thirty semester hours including the following: |   |       |
| <b>Required Courses</b>                        |   |       |
| <i>Classical Literature</i>                    |   |       |
| CLA 2301<br>or CLA 2306                        | Literature of Ancient Greece<br>Greek and Roman Mythology | 3     |

|  |  |           |
|--|--|-----------|
| CLA 2302   | Literature of Ancient Rome   | 3         |
| <i>Classical Civilization</i>  |  |           |
| CLA 3301   | Roman History and Civilization   | 3         |
| CLA 3302   | Greek History and Civilization   | 3         |
| <i>Religious and Intellectual Life</i>   |  |           |
| Select three semester hours from the following:  |  | 3         |
| CLA 2310   | Greek and Roman Religion   |           |
| BIC 2330   | Social World I: The City and the Soul                                  |           |
| GTX 2301   | Intellectual Traditions of the Ancient World : Literature and Thought  |           |
| PSC 3363   | Western Political Thought: Classical and Medieval                      |           |
| PHI 3310   | History of Philosophy: Classical Philosophy                            |           |
| <b>Electives</b>   |  |           |
| Choose one of the following three options to complete the remaining fifteen hours of coursework: |  | 15        |
| <i>Option 1</i>  |  |           |
| Select fifteen hours of 3000-4000 level CLA or additional choices from the following:            |  |           |
| PHI 3310   | History of Philosophy: Classical Philosophy                            |           |
| PSC 3363   | Western Political Thought: Classical and Medieval (if not taken above) |           |
| <i>Option 2</i>  |  |           |
| Three hours of 2000-4000 level GRK or LAT coursework   |  |           |
| Select twelve hours of 3000-4000 level CLA or additional choices from the following:             |  |           |
| PHI 3310   | History of Philosophy: Classical Philosophy                            |           |
| PSC 3363   | Western Political Thought: Classical and Medieval (if not taken above) |           |
| <i>Option 3 <sup>1</sup></i>   |  |           |
| Six hours of 2000-4000 level GRK or LAT coursework   |  |           |
| Select nine hours of 3000-4000 level CLA or additional choices from the following:               |  |           |
| PHI 3310   | History of Philosophy: Classical Philosophy                            |           |
| PSC 3363   | Western Political Thought: Classical and Medieval (if not taken above) |           |
| <b>Total Hours</b>   |  | <b>30</b> |

<sup>1</sup> Students seeking Departmental Honors must select this option.

## Greek and Roman Studies - Secondary Major

This program is appropriate for students with a general interest in antiquity who seek a strong multidisciplinary humanities background, or who seek a broad background prior to advanced study in a related academic discipline or pursuit of a professional degree. Students intending to pursue graduate study in the field of Classics are advised to choose the Classics major.

## Requirements for a Secondary Major in Greek and Roman Studies

| Code   | Title  | Hours     |
|--|--|-----------|
| Twenty-seven semester hours, fifteen of which must be at the 3000-4000 level, including the following: |  |           |
| <b>Required Courses</b>  |  |           |
| <i>Classical Literature</i>  |  |           |
| CLA 2301   | Literature of Ancient Greece   | 3         |
| or CLA 2306  | Greek and Roman Mythology  |           |
| CLA 2302   | Literature of Ancient Rome   | 3         |
| <i>Classical Civilization</i>  |  |           |
| CLA 3301   | Roman History and Civilization   | 3         |
| CLA 3302   | Greek History and Civilization   | 3         |
| <i>Religious and Intellectual Life</i>   |  |           |
| Select three semester hours from the following:  |  | 3         |
| CLA 2310   | Greek and Roman Religion   |           |
| BIC 2330   | Social World I: The City and the Soul                                  |           |
| GTX 2301   | Intellectual Traditions of the Ancient World : Literature and Thought  |           |
| PSC 3363   | Western Political Thought: Classical and Medieval                      |           |
| PHI 3310   | History of Philosophy: Classical Philosophy                            |           |
| <b>Electives</b>   |  |           |
| Choose one of the following three options to complete the remaining twelve hours of coursework:        |  | 12        |
| <i>Option 1</i>  |  |           |
| Select twelve hours of 3000-4000 level CLA or additional choices from the following:                   |  |           |
| PHI 3310   | History of Philosophy: Classical Philosophy                            |           |
| PSC 3363   | Western Political Thought: Classical and Medieval (if not taken above) |           |
| <i>Option 2</i>  |  |           |
| Three hours of 2000-4000 level GRK or LAT coursework   |  |           |
| Select nine hours of 3000-4000 level CLA or additional choices from the following:                     |  |           |
| PHI 3310   | History of Philosophy: Classical Philosophy                            |           |
| PSC 3363   | Western Political Thought: Classical and Medieval (if not taken above) |           |
| <i>Option 3 <sup>1</sup></i>   |  |           |
| Six hours of 2000-4000 level GRK or LAT coursework   |  |           |
| Select six hours of 3000-4000 level CLA or additional choices from the following:                      |  |           |
| PHI 3310   | History of Philosophy: Classical Philosophy                            |           |
| PSC 3363   | Western Political Thought: Classical and Medieval (if not taken above) |           |
| <b>Total Hours</b>   |  | <b>27</b> |

<sup>1</sup> Students seeking Departmental Honors must select this option.



## Greek and Roman Studies Minor

### Requirements for a Minor in Greek and Roman Studies

| Code  | Title   | Hours     |
|---|---|-----------|
| Eighteen semester hours including the following:    |   |           |
| <b>Required Courses</b>                             |   |           |
| <i>Classical Literature</i>                         |   |           |
| CLA 2301  | Literature of Ancient Greece  | 3         |
| or CLA 2306   | Greek and Roman Mythology   |           |
| CLA 2302  | Literature of Ancient Rome  | 3         |
| <i>Classical Civilization</i>                       |   |           |
| CLA 3301  | Roman History and Civilization  | 3         |
| CLA 3302  | Greek History and Civilization  | 3         |
| <i>Electives</i>                                    |   |           |
| Six semester hours from the following:              |   | 6         |
| Any 3000-4000 level CLA course not previously taken |   |           |
| BIC 2330  | Social World I: The City and the Soul                                 |           |
| GRK 2320  | Intermediate Greek Poetry   |           |
| GRK 2310  | Intermediate Greek Prose  |           |
| GTX 2301  | Intellectual Traditions of the Ancient World : Literature and Thought |           |
| LAT 2310  | Intermediate Latin Prose  |           |
| LAT 2320  | Intermediate Latin Poetry   |           |
| PHI 3310  | History of Philosophy: Classical Philosophy                           |           |
| PSC 3363  | Western Political Thought: Classical and Medieval                     |           |
| <b>Total Hours</b>                                  |   | <b>18</b> |

## Communication

The Department of Communication seeks to provide students with a broad-based understanding of the processes of human communication and the importance of these communication processes in our society while serving and encouraging those students with professional aspirations to become ethical, articulate, creative, and innovative leaders in the field of communication.

Students major in communication as preparation for careers in business, law, teaching, and ministry, among others. Communication is the only way to exercise leadership, and oral communication is our main method for communicating with one another. Thus, the communication major proves useful to students with a wide array of career aspirations.

The communication specialist major combines courses in communication and film and digital media. This program of study blends a leadership/management/organizational communication focus with the development of expertise in digital media production. Like the communication major, it is appropriate for students with a wide array of career aspirations but is most appropriate for those intending to take advantage of communication expertise in a corporate career track.

Communication also offers students the opportunity to pursue a range of theoretical and practical courses in corporate communication, rhetoric and public discourse, and conflict management.

Various communication activities offer laboratory settings in which a student's work is aided, directed, and evaluated by faculty specialists in a particular area of communication. These activities include:

- The Glenn R. Capp Debate Forum, one of the nation's distinguished debate programs, offers students experiences in intramural and intercollegiate debate and forensic events. The Capp Forum also sponsors argumentation seminars, public discussion forums, a summer debate institute for high school students, and a workshop for high school teachers.
  - Internship programs in communication provide students with real-world experience in their chosen field.
  - Students have the opportunity to study and work with professional international consultants in the Baylor in England-Kensington summer program.
- Communication, B.A. (p. 110)
  - Communication - Secondary Major (p. 112)
  - Joint Bachelor of Arts/Master of Arts in Communication (p. 113)
  - Communication Specialist, B.A. (p. 113)
  - Communication Specialist - Secondary Major (p. 113)
  - Corporate Communication Minor (p. 113)
  - Rhetoric and Public Discourse Minor (p. 114)

## Communication (CSS)

### CSS 1301 Fundamentals of Public Communication (3)

The preparation of public speeches, focusing on adapting messages to audiences. Credit may not be earned for this course if credit is earned in CSS 1302.

### CSS 1302 Speech for Business and Professional Students (3)

Preparation and delivery of the types of presentations employed in organizational and corporate settings. Credit may not be earned for this course if credit is earned in CSS 1301.

### CSS 1304 Argumentation, Discussion, and Debate (3)

A study of reflective thinking and intentional reasoning as applied to college discussion and debate. Application made to current topics.

### CSS 1305 Introduction to Communication (3)

Foundational areas and research methods for the study of communication, including rhetoric and organizational, interpersonal, and nonverbal communication.

### CSS 2264 Contest Speaking (2)

Interest in University forensic activities. Practice in forensic contests pointing toward the University program. Course extends throughout the year, meeting on Tuesday evenings each week.

### CSS 2265 Contest Speaking (2)

Continuation of CSS 2264.

### CSS 3247 Advanced Debate (2)

Pre-requisite(s): Advanced member of University forensic program. Must be qualified to assist inexperienced students in their preparation. Course extends throughout the school year, meeting on Tuesday evenings each week.

### CSS 3248 Advanced Debate (2)

Continuation of CSS 3247.

**CSS 3302 Introduction to Rhetorical Theory and Criticism (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Rhetorical theory and criticism, including the history of the field of rhetoric, the theories that guide rhetorical inquiry, and how to compose a rhetorical analysis.

**CSS 3304 Small-Group Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Group interaction in decision-making and problem-solving situations associated with leadership, role development, and conflict management.

**CSS 3305 Advanced Public Speaking (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Preparation and presentation of extemporaneous and written public speeches.

**CSS 3306 Interviewing (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Application of communication theory to interview situations with emphasis on developing and using effective strategies.

**CSS 3307 Legal Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

An introduction to the special communication needs and skills of lawyers, clients, and judicial personnel. Students will improve their ability to apply communication principles to professional settings.

**CSS 3310 Communication Theory (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Survey of the theories of human communication.

**CSS 3311 Interpersonal Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Overview of the communication process with emphasis on the theory and practice of communication in dyadic relationships. The course is designed to allow students to: (1) increase their understanding of the process of interpersonal communication, (2) increase their knowledge of the factors involved with interpersonal communication, and (3) to increase their skills and strategies for managing problems of interpersonal communication.

**CSS 3312 Nonverbal Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Nonverbal codes in human interaction in various communication situations.

**CSS 3314 Cross-Cultural Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

The theory and research of cross-cultural communication, exploring similarities and differences in communication across cultures.

**CSS 3316 Persuasion and Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

A consideration of theoretical and practical aspects of persuasive communication, centering on a discussion of various findings by experimental researchers about the nature of the audiences and messages involved in the persuasive process.

**CSS 3393 Rhetoric and Contemporary Culture (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

An introduction to the principles of rhetorical criticism, with emphasis on evaluation of contemporary speeches, films, music, television, and the Internet.

**CSS 3395 Theories and Methods of Visual Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

General theories and methods used to analyze visual communication. Considers several divergent schools of thought on the study of visual communication, including aesthetics, representation, semiotics, psychoanalysis, narrative, cultural studies, media studies, and rhetorical studies.

**CSS 4301 Organizational Communication (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Communication within the organization and its relationship to organizational structure, roles, leadership, and management orientations.

**CSS 4302 Communication Training and Development (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Theory and practice of performing and supervising training activities in an organizational setting. Emphasis on the design, execution, and evaluation of communication training and development programs and strategies.

**CSS 4303 Leadership and Communication (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
The intersection between leadership and communication, emphasizing the theory, research, and practice of leadership communication.

**CSS 4304 Advanced Small Group Theory and Practice (3)**

Pre-requisite(s): CSS 1301 or 1302 and CSS 3304; and upper-level standing or consent of instructor  
Examines advanced and complex types of small-group interaction, leadership, and collaboration. Taught in London.

**CSS 4305 Nonprofit Organizational Communication (3)**

Pre-requisite(s): CSS 4301

Survey of communication dynamics and issues in nonprofit organizations. Emphasis on assessing and developing best practices in external and internal communication. Course topics include: stakeholder messaging, interorganizational collaboration, member relationships, and role development.

**CSS 4306 Advanced Interviewing (3)**

Pre-requisite(s): CSS 3306 or consent of instructor

Application of survey and probing interview techniques with emphasis on career development.

**CSS 4310 Politics and Communication (3)**

Cross-listed as PSC 4310

See PSC 4310 for course information.

**CSS 4311 Conflict and Communication (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The role of communication in managing conflict in interpersonal, group, organization, and community contexts.

**CSS 4312 Systemic Inquiry (3)**

Pre-requisite(s): Upper-level standing

Examines advanced and complex types of communication contexts involving relational and group facilitation strategies, systemic interviewing practices, and the development of a basic understanding of systemic inquiry as a communication management strategy. Taught in London.

**CSS 4313 Communication and the Family (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Survey of communication issues related to theory and research regarding relationships within the modern family system.

**CSS 4314 Communication Assessment in Organizational Settings (3)**

Pre-requisite(s): CSS 4301 or consent of instructor  
Design and implement a communication assessment of for-profit or non-profit organizations.

**CSS 4315 Health Communication (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Health communication theory and practice, including patient-provider communication, healthcare organizational communication, and health information technology.

**CSS 4316 Advanced Interpersonal Communication (3)**

Pre-requisite(s): CSS 3311 and upper level standing or consent of instructor  
Advanced survey of theory and research regarding communication and personal relationships.

**CSS 4317 Narrating Health Across Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Examines pervasive health narratives, including best practices for the communication surrounding illness both from those living with the illness and those in support roles.

**CSS 4318 Communication and New Technology (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
The ways in which communication is facilitated by new technologies with an emphasis on various theories related to computer-mediated communication and new communication technology.

**CSS 4319 Cultural Approaches to Health Communication (3)**

Pre-requisite(s): Upper level standing or consent of instructor  
Examination of the influence of culture on communicative aspects of individuals' health.

**CSS 4336 Seminar in Contemporary Communication Issues (3)**

Pre-requisite(s): Consent of instructor  
Seminar topics vary each semester. May be repeated once with change in topic.

**CSS 4350 Rhetoric of Women and Gender (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Analyzes the historical fight for women's rights and contemporary arguments about gender-based rights through the tools of rhetorical criticism.

**CSS 4351 Criticism of Contemporary Public Address (3)**

Cross-listed as PSC 4351  
Pre-requisite(s): Upper-level standing or consent of instructor  
Significant public speeches in contemporary society, with emphasis on applying principles and methods of rhetorical criticism.

**CSS 4352 Corporate Advocacy and Public Policy (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Influence of contemporary organizations on public attitudes and public policy through analysis of communication campaigns during both favorable and unfavorable conditions.

**CSS 4353 Public Discourse and Foreign Policy (3)**

Cross-listed as PSC 4335  
Pre-requisite(s): Upper-level standing  
An analytical approach to the discourse generated by United States foreign policy in the post-World War II era. Topics covered include the nature of public opinion and foreign policy, rhetorical and political constraints on foreign policy discourse, and in-depth analysis of the arguments for and against the conflict in Vietnam.

**CSS 4354 African American Communication (3)**

Cross-listed as PSC 4340  
Pre-requisite(s): Upper-level standing  
Rhetorical strategies of African Americans, focusing on the historically important documents of oratory, argumentation, homiletic, and narrative.

**CSS 4380 Internship in Communication (3)**

Pre-requisite(s): Fifteen hours in major and consent of instructor  
Work at appropriate employment site for academic credit to accommodate career needs of communication students. Internships must be approved by the department director of internships. May be repeated for a total of six hours.

**CSS 4392 Rhetorics of Race (3)**

Exploration of ideas about communication, rhetoric, and race. Emphasis on rhetorical criticism as a methodological approach to public discourse and analysis of race as understood in contemporary American culture.

**CSS 4394 Rhetorical Theory (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Selected theories of persuasion in Western culture from the Greco-Roman period to the present. Topics covered include the relationship of rhetoric and poetic, arguments for a behavioristic approach to rhetoric, and contemporary claims concerning rhetoric as a way of knowing.

**CSS 4395 Visual Rhetoric (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Theories and methodologies pertaining to visual rhetoric.

**CSS 4396 American Rhetoric (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Origin and development of rhetoric in American social movements, with emphasis on the characteristics of various types of communication situations and the discovery, analysis, and evaluation of common persuasive strategies.

**CSS 4397 Public Discourse and the Classic Liberal Tradition (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Analysis of major speeches, pamphlets, and essays in England and America on politics and political change from the early seventeenth century through the American Revolution. Topics addressed include the birth of the public sphere, church and state relations, and natural rights.

**CSS 4399 Workshop in Directing the Speech Program (3)**

Pre-requisite(s): Consent of instructor  
Intended primarily for directors of speech activities in high schools and colleges. May be repeated once for credit.

**CSS 4V85 Special Problems in Communication (1-6)**

Pre-requisite(s): Fifteen semester hours in communication and consent of instructor  
A conference course designed to give individual students opportunities for additional work in their area of concentration in the Department of Communication. One to three hours may be earned in a semester. May be repeated once with change in content for a total of 6 hours.

# Communication, B.A.

## Requirements for a Major in Communication

| Code                                      | Title   | Hours |
|---|---|-------|
| Thirty-six hours including the following: |   |       |
| Required Courses                          |   |       |
| CSS 1301<br>or CSS 1302                   | Fundamentals of Public Communication<br>Speech for Business and Professional Students | 3     |

|  |   |           |
|--|---|-----------|
| or CSS 1304  | Argumentation, Discussion, and Debate           |           |
| CSS 3302   | Introduction to Rhetorical Theory and Criticism | 3         |
| CSS 3310   | Communication Theory                            | 3         |
| <b>Concentrations</b>  |   |           |
| Students will select a concentration for the remaining twenty-seven hours of coursework which relates to their academic or professional focus. |   | 27        |
| Corporate Communication Concentration (p. 111)   |   |           |
| Rhetoric and Public Discourse Concentration (p. 112)   |   |           |
| Generalist Concentration (p. 111)  |   |           |
| Honors Concentration (p. 111)  |   |           |
| <b>Total Hours</b>   |   | <b>36</b> |

## Communication (Corporate Communication Concentration), B.A.

### Requirements for a Concentration in Corporate Communication

| Code   | Title | Hours     |
|--|-------|-----------|
| Twenty-seven semester hours including the following: |       |           |
| <b>Required Courses</b>                              |       |           |
| Select Twenty-one hours from the following courses:  |       | 21        |
| Corporate Communication (p. 112)                     |       |           |
| Six hours of Rhetoric and Public Discourse courses:  |       | 6         |
| Rhetoric and Public Discourse (p. 112)               |       |           |
| <b>Total Hours</b>                                   |       | <b>27</b> |

## Communication (Generalist Concentration), B.A.

### Requirements for a Generalist Concentration

| Code  | Title | Hours     |
|---|-------|-----------|
| Twenty-seven semester hours including the following:          |       |           |
| <b>Required Courses</b>                                       |       |           |
| Select twelve hours of Rhetoric and Public Discourse courses: |       | 12        |
| Rhetoric and Public Discourse (p. 112)                        |       |           |
| Fifteen hours of Corporate Communication courses:             |       | 15        |
| Corporate Communication (p. 112)                              |       |           |
| <b>Total Hours</b>  |       | <b>27</b> |

## Communication (Honors Concentration), B.A.

### Requirements for a Concentration in Honors

| Code   | Title | Hours |
|--|-------|-------|
| Twenty-seven semester hours including the following: |       |       |
| <b>Required Courses</b>                              |       |       |

Select nine hours from the following courses: 9

|          |   |
|----------|---|
| CSS 1305 | Introduction to Communication <sup>1</sup>          |
| CSS 3304 | Small-Group Communication                           |
| CSS 3306 | Interviewing  |
| CSS 3311 | Interpersonal Communication                         |
| CSS 3312 | Nonverbal Communication                             |
| CSS 3314 | Cross-Cultural Communication                        |
| CSS 4301 | Organizational Communication                        |
| CSS 4303 | Leadership and Communication                        |
| CSS 4304 | Advanced Small Group Theory and Practice            |
| CSS 4305 | Nonprofit Organizational Communication              |
| CSS 4311 | Conflict and Communication                          |
| CSS 4313 | Communication and the Family                        |
| CSS 4314 | Communication Assessment in Organizational Settings |
| CSS 4315 | Health Communication                                |
| CSS 4316 | Advanced Interpersonal Communication                |
| CSS 4318 | Communication and New Technology                    |
| CSS 4319 | Cultural Approaches to Health Communication         |
| CSS 4336 | Seminar in Contemporary Communication Issues        |

Select twelve hours from the following courses: 12

|          |   |
|----------|---|
| CSS 3302 | Introduction to Rhetorical Theory and Criticism |
| CSS 3307 | Legal Communication                             |
| CSS 3316 | Persuasion and Communication                    |
| CSS 3393 | Rhetoric and Contemporary Culture               |
| CSS 3395 | Theories and Methods of Visual Communication    |
| CSS 4310 | Politics and Communication                      |
| CSS 4317 | Narrating Health Across Culture                 |
| CSS 4336 | Seminar in Contemporary Communication Issues    |
| CSS 4350 | Rhetoric of Women and Gender                    |
| CSS 4351 | Criticism of Contemporary Public Address        |
| CSS 4352 | Corporate Advocacy and Public Policy            |
| CSS 4353 | Public Discourse and Foreign Policy             |
| CSS 4354 | African American Communication                  |
| CSS 4392 | Rhetorics of Race                               |
| CSS 4394 | Rhetorical Theory                               |
| CSS 4395 | Visual Rhetoric                                 |
| CSS 4396 | American Rhetoric                               |

Select six hours of Engaged Communication Experiences: 6

|          |  |
|----------|--|
| CSS 4304 | Advanced Small Group Theory and Practice |
| CSS 4312 | Systemic Inquiry                         |
| CSS 4380 | Internship in Communication              |
| CSS 4V85 | Special Problems in Communication        |

**Subtotal** 27

#### Required Courses in Other Fields

Admission to the Honors Program and completion of upper-division Honors Program Requirements <sup>2</sup>

|                    |                    |           |
|--------------------|--------------------|-----------|
| HON 4088           | Honors Exit Review | 0         |
| <b>Total Hours</b> |                    | <b>27</b> |

<sup>1</sup> CSS 1305 Introduction to Communication is a New Student Experience course, taught in Fall semester only, and is a strongly recommended course for all incoming, first-time freshmen only.

<sup>2</sup> See Honors Program Handbook or the Honors Program section of the catalog for specific requirements.

## Communication (Rhetoric and Public Discourse Concentration), B.A.

### Requirements for a Concentration in Rhetoric and Public Discourse

| Code   | Title                                  | Hours     |
|--|--|-----------|
| Twenty-seven semester hours including the following: |  |           |
| <b>Required Courses</b>                              |  |           |
| Select twenty-one hours from the following courses:  |  | 21        |
|  | Rhetoric and Public Discourse (p. 112) |           |
| Six hours of Corporate Communication courses:        |  | 6         |
|  | Corporate Communication (p. 112)       |           |
| <b>Total Hours</b>                                   |  | <b>27</b> |

### Communication Subfield Corporate Communication

| Code                  | Title   | Hours |
|-----------------------|---|-------|
| <b>Course Options</b> |   |       |
| CSS 1305              | Introduction to Communication <sup>1</sup>          | 3     |
| CSS 3304              | Small-Group Communication                           | 3     |
| CSS 3306              | Interviewing  | 3     |
| CSS 3311              | Interpersonal Communication                         | 3     |
| CSS 3312              | Nonverbal Communication                             | 3     |
| CSS 3314              | Cross-Cultural Communication                        | 3     |
| CSS 4301              | Organizational Communication                        | 3     |
| CSS 4302              | Communication Training and Development              | 3     |
| CSS 4303              | Leadership and Communication                        | 3     |
| CSS 4304              | Advanced Small Group Theory and Practice            | 3     |
| CSS 4305              | Nonprofit Organizational Communication              | 3     |
| CSS 4306              | Advanced Interviewing                               | 3     |
| CSS 4311              | Conflict and Communication                          | 3     |
| CSS 4312              | Systemic Inquiry                                    | 3     |
| CSS 4313              | Communication and the Family                        | 3     |
| CSS 4314              | Communication Assessment in Organizational Settings | 3     |
| CSS 4315              | Health Communication                                | 3     |
| CSS 4316              | Advanced Interpersonal Communication                | 3     |
| CSS 4318              | Communication and New Technology                    | 3     |
| CSS 4319              | Cultural Approaches to Health Communication         | 3     |

|          |  |   |
|----------|--|---|
| CSS 4336 | Seminar in Contemporary Communication Issues | 3 |
| CSS 4380 | Internship in Communication                  | 3 |

<sup>1</sup> CSS 1305 Introduction to Communication is a New Student Experience course, taught in Fall semester only, and is a strongly recommended course for all incoming, first-time freshmen only.

### Communication Subfield Rhetoric & Public Discourse

| Code                  | Title  | Hours |
|-----------------------|--|-------|
| <b>Course Options</b> |  |       |
| CSS 2264              | Contest Speaking                                   | 2     |
| CSS 2265              | Contest Speaking                                   | 2     |
| CSS 3247              | Advanced Debate                                    | 2     |
| CSS 3248              | Advanced Debate                                    | 2     |
| CSS 3302              | Introduction to Rhetorical Theory and Criticism    | 3     |
| CSS 3305              | Advanced Public Speaking                           | 3     |
| CSS 3307              | Legal Communication                                | 3     |
| CSS 3316              | Persuasion and Communication                       | 3     |
| CSS 3393              | Rhetoric and Contemporary Culture                  | 3     |
| CSS 3395              | Theories and Methods of Visual Communication       | 3     |
| CSS 4310              | Politics and Communication                         | 3     |
| CSS 4317              | Narrating Health Across Culture                    | 3     |
| CSS 4336              | Seminar in Contemporary Communication Issues       | 3     |
| CSS 4350              | Rhetoric of Women and Gender                       | 3     |
| CSS 4351              | Criticism of Contemporary Public Address           | 3     |
| CSS 4352              | Corporate Advocacy and Public Policy               | 3     |
| CSS 4353              | Public Discourse and Foreign Policy                | 3     |
| CSS 4354              | African American Communication                     | 3     |
| CSS 4380              | Internship in Communication                        | 3     |
| CSS 4392              | Rhetorics of Race                                  | 3     |
| CSS 4394              | Rhetorical Theory                                  | 3     |
| CSS 4395              | Visual Rhetoric                                    | 3     |
| CSS 4396              | American Rhetoric                                  | 3     |
| CSS 4397              | Public Discourse and the Classic Liberal Tradition | 3     |
| BIC 1313              | World of Rhetoric I                                | 3     |
| BIC 1323              | World of Rhetoric II: Rhetoric in Context          | 3     |

### Communication - Secondary Major Requirements for a Secondary Major in Communication

| Code   | Title   | Hours |
|--|---|-------|
| Thirty semester hours including the following: |   |       |
| <b>Required Courses</b>                        |   |       |
| CSS 1301                                       | Fundamentals of Public Communication          | 3     |
| or CSS 1302                                    | Speech for Business and Professional Students |       |



|  |   |           |
|--|---|-----------|
| or CSS 1304  | Argumentation, Discussion, and Debate           | 27        |
| Students will select a concentration which relates to their academic or professional focus for the remaining twenty-seven hours of coursework. |   |           |
| <i>Corporate Communication Concentration</i>   |   |           |
| CSS 3310   | Communication Theory                            |           |
| Select twenty-one hours from the following:  |   |           |
| Corporate Communication (p. 112)   |   |           |
| Three semester hours of Rhetoric and Public Discourse courses  |   |           |
| Rhetoric and Public Discourse (p. 112)   |   |           |
| <i>Rhetoric and Public Discourse Concentration</i>   |   |           |
| CSS 3302   | Introduction to Rhetorical Theory and Criticism |           |
| Select twenty-one hours from the following:  |   |           |
| Rhetoric and Public Discourse (p. 112)   |   |           |
| Three semester hours of Corporate Communication courses  |   |           |
| Corporate Communication (p. 112)   |   |           |
| <b>Total Hours</b>   |   | <b>30</b> |

## Joint Bachelor of Arts/Master of Arts in Communication

To earn the joint BA/MA in Communication a student must complete all basic requirements for the BA degree with a major in Communication: Corporate Communication (Communication Specialists may petition for consideration) from the Department of Communication, as well as additional coursework at the graduate level. (See Graduate Catalog for details of graduate requirements, including eligibility and admission).

## Communication Specialist, B.A.

### Requirements for a Major in Communication Specialist

| Code   | Title   | Hours     |
|--|---|-----------|
| Thirty-six semester hours, fifteen of which must be at the 3000-4000 level, including the following: |   |           |
| <b>Required Courses</b>  |   |           |
| Select three semester hours from the following:  |   |           |
| CSS 1301   | Fundamentals of Public Communication          | 3         |
| or CSS 1302  | Speech for Business and Professional Students |           |
| or CSS 1304  | Argumentation, Discussion, and Debate         |           |
| FDM 1304   | Visual Literacy: Sight, Sound, Motion         | 3         |
| FDM 2360   | Production Methods                            | 3         |
| or FDM 3361  | Production Methods II                         |           |
| FDM 3372   | Writing for Media Markets                     | 3         |
| or FDM 3373  | Screenwriting                                 |           |
| or FDM 3374  | Television Writing                            |           |
| Twelve semester hours of CSS courses   |   | 12        |
| Six semester hours of FDM courses  |   | 6         |
| Six additional semester hours of either CSS or FDM courses   |   | 6         |
| <b>Total Hours</b>   |   | <b>36</b> |

Special Note: For students wishing to double major in communication, communication specialist, and/or film and digital media, the requirements

for each major must be met independently. It is strongly recommended that students pursuing a double major in the department visit with the Chair of the department.

## Communication Specialist - Secondary Major

### Requirements for a Secondary Major in Communication Specialist

| Code   | Title   | Hours     |
|--|---|-----------|
| Thirty semester hours, fifteen of which must be at the 3000-4000 level, including the following: |   |           |
| <b>Required Courses</b>  |   |           |
| CSS 1301   | Fundamentals of Public Communication          | 3         |
| or CSS 1302  | Speech for Business and Professional Students |           |
| or CSS 1304  | Argumentation, Discussion, and Debate         |           |
| FDM 1304   | Visual Literacy: Sight, Sound, Motion         | 3         |
| FDM 2360   | Production Methods                            | 3         |
| or FDM 3361  | Production Methods II                         |           |
| Twelve semester hours of CSS courses   |   | 12        |
| Nine semester hours of FDM courses   |   | 9         |
| <b>Total Hours</b>   |   | <b>30</b> |

## Corporate Communication Minor

### Requirements for a Minor in Corporate Communication

| Code   | Title   | Hours |
|--|---|-------|
| Eighteen semester hours including the following: |   |       |
| <b>Required Courses</b>                          |   |       |
| CSS 1301   | Fundamentals of Public Communication          | 3     |
| or CSS 1302                                      | Speech for Business and Professional Students |       |
| or CSS 1304                                      | Argumentation, Discussion, and Debate         |       |
| CSS 4301   | Organizational Communication                  | 3     |
| Select twelve semester hours from the following: |   | 12    |
| CSS 1305   | Introduction to Communication <sup>1</sup>    |       |
| CSS 3304   | Small-Group Communication                     |       |
| CSS 3305   | Advanced Public Speaking                      |       |
| CSS 3306   | Interviewing                                  |       |
| CSS 3307   | Legal Communication                           |       |
| CSS 3310   | Communication Theory                          |       |
| CSS 3311   | Interpersonal Communication                   |       |
| CSS 3312   | Nonverbal Communication                       |       |
| CSS 3314   | Cross-Cultural Communication                  |       |
| CSS 3316   | Persuasion and Communication                  |       |
| CSS 4302   | Communication Training and Development        |       |
| CSS 4303   | Leadership and Communication                  |       |
| CSS 4304   | Advanced Small Group Theory and Practice      |       |
| CSS 4305   | Nonprofit Organizational Communication        |       |
| CSS 4306   | Advanced Interviewing                         |       |
| CSS 4311   | Conflict and Communication                    |       |
| CSS 4312   | Systemic Inquiry                              |       |

|                    |   |           |
|--------------------|---|-----------|
| CSS 4313           | Communication and the Family                        |           |
| CSS 4314           | Communication Assessment in Organizational Settings |           |
| CSS 4315           | Health Communication                                |           |
| CSS 4316           | Advanced Interpersonal Communication                |           |
| CSS 4318           | Communication and New Technology                    |           |
| CSS 4319           | Cultural Approaches to Health Communication         |           |
| CSS 4352           | Corporate Advocacy and Public Policy                |           |
| CSS 4380           | Internship in Communication                         |           |
| <b>Total Hours</b> |   | <b>18</b> |

<sup>1</sup> CSS 1305 Introduction to Communication is a New Student Experience course, taught in Fall semester only, and is a strongly recommended course for all incoming, first-time freshmen only.

## Rhetoric and Public Discourse Minor

### Requirements for a Minor in Rhetoric and Public Discourse

| Code  | Title   | Hours |
|---|---|-------|
| Eighteen semester hours from the following: |   |       |
| <b>Required Courses</b>                     |   |       |
| CSS 1301                                    | Fundamentals of Public Communication            | 3     |
| or CSS 1302                                 | Speech for Business and Professional Students   |       |
| or CSS 1304                                 | Argumentation, Discussion, and Debate           |       |
| Fifteen semester hours from the following:  |   | 15    |
| CSS 1305                                    | Introduction to Communication <sup>1</sup>      |       |
| CSS 2264                                    | Contest Speaking                                |       |
| CSS 2265                                    | Contest Speaking                                |       |
| CSS 3247                                    | Advanced Debate                                 |       |
| CSS 3248                                    | Advanced Debate                                 |       |
| CSS 3302                                    | Introduction to Rhetorical Theory and Criticism |       |
| CSS 3305                                    | Advanced Public Speaking                        |       |
| CSS 3307                                    | Legal Communication                             |       |
| CSS 3316                                    | Persuasion and Communication                    |       |
| CSS 3393                                    | Rhetoric and Contemporary Culture               |       |
| CSS 3395                                    | Theories and Methods of Visual Communication    |       |
| CSS 4310                                    | Politics and Communication                      |       |
| CSS 4317                                    | Narrating Health Across Culture                 |       |
| CSS 4336                                    | Seminar in Contemporary Communication Issues    |       |
| CSS 4350                                    | Rhetoric of Women and Gender                    |       |
| CSS 4351                                    | Criticism of Contemporary Public Address        |       |
| CSS 4352                                    | Corporate Advocacy and Public Policy            |       |
| CSS 4353                                    | Public Discourse and Foreign Policy             |       |
| CSS 4354                                    | African American Communication                  |       |
| CSS 4380                                    | Internship in Communication                     |       |
| CSS 4392                                    | Rhetorics of Race                               |       |
| CSS 4394                                    | Rhetorical Theory                               |       |
| CSS 4395                                    | Visual Rhetoric                                 |       |

|                    |  |           |
|--------------------|--|-----------|
| CSS 4396           | American Rhetoric                                  |           |
| CSS 4397           | Public Discourse and the Classic Liberal Tradition |           |
| BIC 1313           | World of Rhetoric I                                |           |
| BIC 1323           | World of Rhetoric II: Rhetoric in Context          |           |
| <b>Total Hours</b> |  | <b>18</b> |

<sup>1</sup> CSS 1305 Introduction to Communication is a New Student Experience course, taught in Fall semester only, and is a strongly recommended course for all incoming, first-time freshmen only.

## English

We offer majors and minors in English Literature, Linguistics, and Professional Writing and Rhetoric. We also offer a minor in Creative Writing. Our students work with top scholars in their fields and benefit from small, discussion-oriented classes. They also enjoy opportunities to test out possible careers, whether through internships or as staff members of *The Phoenix*, the department's student-run magazine.

### Department of English

#### English Language and Literature

- English, B.A. (p. 121)
- English - Secondary Major (p. 121)
- English Minor (p. 122)
- Creative Writing Minor (p. 122)

#### Professional Writing and Rhetoric

- Professional Writing and Rhetoric, B.A. (p. 123)
- Professional Writing and Rhetoric - Secondary Major (p. 124)

#### Linguistics

- Linguistics, B.A. (p. 125)
- Linguistics - Secondary Major (p. 125)
- Linguistics Minor (p. 126)

#### Joint Degree

- Joint Bachelor of Arts/Master of Arts in Teaching (p. 123)

## English (ENG)

#### ENG 0300 Developmental English (3)

Intensive instruction in English writing skills, grammar, usage, and reading comprehension, with individualized attention to problem areas. This course is a prerequisite for ENG 1302 for all students whose diagnostic test indicates the inability to do satisfactory work in ENG 1302. Credit for this course does not apply toward any degree program.

#### ENG 1300 English as a Second Language: Comprehension (3)

Practice in listening and comprehension, pronunciation, and conversation skills for both academic and social competency. Required attendance in language laboratory. This course does not satisfy the English requirements for any degree program.

**ENG 1301 English as a Second Language: Composition Skills (3)**

Review and instruction in English grammar, usage, and vocabulary development, with attention to composition and reading skills, for non-native speakers of English. This course does not satisfy the English requirements for any degree program. Placement in this course is determined by language and writing tests given when the student enrolls in the University.

**ENG 1302 Thinking and Writing (3)**

A course designed to help students better understand English grammar, rhetoric, and usage for correct and effective writing. The course focuses on the several steps in organizing and writing the expository essay for a variety of purposes. Essay assignments develop students' capacity for logical thought and expression.

**ENG 1304 Thinking, Writing, and Research (3)**

Pre-requisite(s): ENG 1302 or FAS 1302 or advanced placement  
A student with credit in ENG 1304 may not earn credit for ENG 1310. A course designed to teach students to gather and evaluate information from a variety of sources and to incorporate ideas from these sources into the writing of a research paper. In addition, the course explores the techniques of persuasive and critical writing.

**ENG 1310 Writing and Academic Inquiry Seminars (3)**

Provides forum to discuss, analyze, and create nonfiction texts to develop the writing abilities, research skills, and rhetorical knowledge for academic, personal, professional, and civic pursuits. May include themes such as faith, pop culture, social media, sports, social justice, and communities.

**ENG 2301 British Literature (3)**

The great works of British literature, from the earliest English poetry to the twenty-first century. Includes works by both women and men, from the different regions of the British Isles, and works representative of Britain as a multicultural society.

**ENG 2306 World Literature (3)**

The great works of literature from around the globe, studied in English translation. Includes authors, both women and men, from a variety of different countries and cultures, – African, Latin American, Asian, and European – and from different historical periods.

**ENG 2310 American Literary Cultures (3)**

Literature of the United States, from the colonial encounter to the 21st century, emphasizing major works of American literature, by men and women from different regions of the United States, and from many cultural backgrounds. A student with credit in ENG 2304 may not earn credit for ENG 2310.

**ENG 3301 English Words (3)**

Cross-listed as LING 3311

Pre-requisite(s): Upper-level standing or consent of instructor  
History and structure of the English lexicon, including the semantics, word-formation processes, and pronunciation of both native English and borrowed words.

**ENG 3302 Modern English Grammar (3)**

Cross-listed as LING 3312

Pre-requisite(s): Upper-level standing  
Study of college-level grammar, with emphasis on syntax, morphology, and usage.

**ENG 3304 Creative Writing: Poetry (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Workshop course with emphasis on imaginative writing of poetry. May be repeated once with a different topic of study.

**ENG 3305 Sociolinguistics (3)**

Cross-listed as LING 3315

See LING 3315 for course information.

**ENG 3306 Creative Writing: Prose (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Workshop course in the techniques of imaginative writing of prose. May be repeated once with a different topic of study.

**ENG 3307 Screenplay and Scriptwriting (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Screenwriting and scriptwriting is designed for the novice writer with an interest in cinema or theater. The class will include discussions of treatment, pitch, agents, and feature the writing of an actual screenplay.

**ENG 3310 Introduction to Linguistics (3)**

Cross-listed as ANT 3310, ANT 4300, ENG 4300, LING 3310

Pre-requisite(s): Upper-level standing or consent of instructor  
Matter and methods of modern linguistics, including the nature of language and linguistics, phonology, morphology and grammar, and historical/comparative linguistics.

**ENG 3311 English Literature through the Sixteenth Century (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Old English (Anglo-Saxon), Middle English, and English poetry, prose, and drama to 1600, studied in relation to the cultural and social character of the period.

**ENG 3319 Language and Culture (3)**

See LING 3319 for course description.

**ENG 3331 English Literature of the Seventeenth and Eighteenth Centuries (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
English poetry, prose, and drama from 1600 to 1800, studied in relation to the cultural and social character of the period.

**ENG 3351 British Literature from the Nineteenth Century to the Present (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
British poetry, prose, and drama from 1800 to the present, studied in relation to the cultural and social character of the period.

**ENG 3360 Literature and the Environment (3)**

Pre-requisite(s): 3 hours of ENG credit, 3 hours from the Literature in Context DL, and upper-level standing  
This course critically examines how literature represents connections among humans, nonhumans, and environments.

**ENG 3370 Religion and Literature (3)**

Cross-listed as REL 3370

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Topics exploring the relationship between religion and literature, and between religious ideas and the literary expression of those ideas.

**ENG 3371 History of Critical Theory (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Critical writing about literature from Aristotle through the New Criticism.

**ENG 3372 The Oxford Christians (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Works of C.S. Lewis, J.R.R. Tolkien, and other members of the group of writers called the Oxford Christians.

**ENG 3374 Short Fiction: A Reading Course (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Development and forms of the short story.

**ENG 3375 Post-Colonial Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Twentieth-century literature from India, Africa, the Caribbean, and other emerging post-colonial traditions.

**ENG 3376 African American Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
A study of works of African American writers. Selections may include slave narratives, poetry, plays, short stories, and novels from the colonial period to the present.

**ENG 3377 The Art of Film (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
A study of film, with an emphasis on film's literary qualities and on various forms of cinematic theory and criticism.

**ENG 3378 Topics in Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Topics not included in ENG 4374 seminars, especially topics such as detective fiction and science fiction. Topic announced for each semester or session. May be repeated once for a total of six credit hours with content change.

**ENG 3380 American Literature through Whitman (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
American poetry and prose to 1870, studied in relation to the cultural and social character of the period.

**ENG 3390 American Literature from Whitman (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
American poetry, prose, and drama from 1870 to the present, studied in relation to the cultural and social character of the period.

**ENG 3393 Literature of the American West and Southwest (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
The works of writers of the American West and Southwest.

**ENG 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ENG 4301 Advanced Creative Writing: Prose (3)**

Pre-requisite(s): ENG 3306 or consent of instructor  
Workshop course for advanced writers of creative prose emphasizing discussion of student work. Course may be repeated once with a different topic.

**ENG 4302 Old English Language (3)**

Cross-listed as LING 4312  
Pre-requisite(s): ENG 2301 and upper-level standing  
Old English language and an introduction to Anglo-Saxon history and culture. Selections from Old English poetry and prose (Biblical translations, Anglo-Saxon Chronicle, Alfredian translations, homilies) will be read in the original.

**ENG 4304 History of the English Language (3)**

Cross-listed as LING 4314  
Pre-requisite(s): ENG 2301 and upper-level standing  
Origin, growth, and structure of the English language.

**ENG 4305 Advanced Creative Writing: Poetry (3)**

Pre-requisite(s): ENG 3304 or consent of instructor  
Workshop in the writing of poetry at an advanced level. May be repeated once with a different topic of study.

**ENG 4310 Old and Early Middle English Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Old English and Early Middle English poetry and prose in translation from the seventh through the thirteenth century read in the context of the historical, social, religious, political, art historical, and philosophical trends of the periods.

**ENG 4313 Later Middle English Literature Excluding Chaucer (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Middle English poetry, prose, and drama primarily in the original text from the fourteenth and fifteenth centuries read in the context of the historical, social, religious, political, art historical, and philosophical trends of the periods.

**ENG 4314 Chaucer (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Chaucer's major and minor works and their cultural milieu; read in Middle English and in translation. One of his continental sources will also be read.

**ENG 4316 Special Topics in Medieval Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Specialized topics in medieval studies, such as paleography, the medieval mystics, and Chaucer and the Italian tradition. Topic announced for each semester or session.

**ENG 4318 Writing for the Workplace (3)**

Pre-requisite(s): ENG 3300 or BUS 3315 or consent of instructor  
Advanced study of workplace skills, including editing, desktop publishing, document design and testing, and project management. Designed for students who will work in writing-intensive professions.

**ENG 4319 American English Dialects (3)**

Cross-listed as LING 4319  
See LING 4319 for course information.

**ENG 4320 English Drama to 1642 (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Development of English drama from its medieval origins to the closing of the theaters in 1642, excluding Shakespeare.



**ENG 4322 Sixteenth-Century Poetry and Prose (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

English poetry and prose of the Tudor and Elizabethan periods, with emphasis on the development of the sonnet and Petrarchan conventions.

**ENG 4324 Shakespeare: Selected Plays (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Representative comedies, histories, tragedies, and problem plays.

**ENG 4330 Early Seventeenth-Century Poetry and Prose (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

English poetry and prose of the early Stuart period, the Interregnum, and the early Restoration, with emphasis on the metaphysical and cavalier poets.

**ENG 4332 Milton (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Milton's poetry with emphasis on *Paradise Lost*; examination of selected prose; consideration of biographical and historical materials related to the poetry.

**ENG 4340 English Poetry and Prose from 1660 to 1745 (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development of poetry and prose during the Augustan Age, with emphasis on the satire of Dryden, Swift, Gay, Pope, and Fielding.

**ENG 4342 English Poetry and Prose from 1745 to 1798 (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

The development of poetry and prose in the later eighteenth century, with emphasis on sensibility in the works of Gray, Johnson, Boswell, and Sterne.

**ENG 4344 English Drama from 1660 to 1800 (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development of English drama from the reopening of the theaters after the Interregnum through the eighteenth century.

**ENG 4347 Eighteenth-Century British Novel (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development of fictional narrative form in eighteenth-century Britain, with emphasis on Defoe, Richardson, Fielding, Smollett, Sterne, and Burney.

**ENG 4354 Romantic Poetry (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

British poets of the early nineteenth century, with emphasis on Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats.

**ENG 4355 Romantic Prose (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

British and European novelists, story writers, and prose writers of the late 18th and early 19th centuries, with emphasis on Jane Austen, Ann Radcliffe, Maria Edgeworth, Sir Walter Scott, and Johann von Goethe.

**ENG 4360 Victorian Prose (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development of English prose in the nineteenth century, with emphasis on Macaulay, Carlyle, Newman, Ruskin, Arnold, Eliot, Pater, and Wilde.

**ENG 4362 Victorian Poetry (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

British poets of the later nineteenth century, with emphasis on Browning, Tennyson, Arnold, and Hopkins.

**ENG 4364 The Brownings (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

The Brownings' major poems, with emphasis on *Men and Women*, *The Ring and the Book*, *Aurora Leigh*, and *Sonnets from the Portuguese*; introduction to the Armstrong Browning Library collection.

**ENG 4368 Nineteenth-Century British Novel (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development of fictional narrative form in nineteenth-century Britain, with emphasis on Austen, Scott, the Brontës, Thackeray, Dickens, Eliot, and Hardy.

**ENG 4369 Modern British Novel (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

British novelists from 1900 to 1945, with emphasis on Woolf, Joyce, and Lawrence.

**ENG 4370 Women Writers (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Major women writers and their representative works. Readings may emphasize British, American, or international writers, a genre, or a theme. Course may be repeated once for credit with a different theme.

**ENG 4371 Modern British Poetry (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

British poets from 1900 to 1945, with emphasis upon Eliot, Yeats, Lawrence, Thomas, and Auden.

**ENG 4372 Modern British and Continental Drama (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development of modern European Drama and Theater from 1880 to the present.

**ENG 4374 Special Topics in Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Topics not ordinarily included in period, genre, or author courses. Topic announced for each semester or session. May be repeated once for a total of six credit hours with content change.

**ENG 4378 Contemporary Novel (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Novelists from the twenty-first century either writing in English or studied in translation.

**ENG 4379 Great Books of the Western World (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Various topics and texts of the Western World. Periods, themes, genres, or problems may be the organizing element, e.g., Greek Tragedy, Roman Elegy, the Medieval Mind, the Enlightenment, French Post-war Intellectual Thought.



**ENG 4380 American Renaissance (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Works of American writers of New England in the mid-nineteenth century.

**ENG 4381 Early American Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Prose and poetry of American writers from 1620 to 1820.

**ENG 4382 Major Authors (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
A study of the works of a particular writer. Topics announced for each semester or session. May be repeated once under different topic.

**ENG 4383 American Realism and Naturalism (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
American writers from 1860 to 1900.

**ENG 4384 Contemporary Critical Theory (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Contemporary approaches to the critical interpretation of literature, emphasizing primary texts, e.g., psychoanalytic, feminist, structuralist, deconstructive, new historical, reader-response, formalist, semiotic, neo-Aristotelian.

**ENG 4385 Contemporary Poetry (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
British and American poets of the twenty-first century with special emphasis on recent developments in poetic form and method.

**ENG 4386 Postmodern American Novel (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
American novelists from 1945 to 2000.

**ENG 4387 Modern American Novel (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
American novelists from 1900 to 1945, with emphasis on Wharton, James, Cather, Hemingway, Faulkner, Fitzgerald, and Hurston.

**ENG 4388 Christian Literary Classics (3)**

Cross-listed as REL 4388  
See REL 4388 for course information.

**ENG 4389 Postmodern American Poetry (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
American poets from 1945 to 2000.

**ENG 4390 Literature of the South (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Works of writers of the American South, with emphasis on Poe, Faulkner, O'Connor, and Welty.

**ENG 4391 Modern American Poetry (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
American poets from 1900 to 1945, with special emphasis upon Frost, Pound, Cummings, Stevens, Williams, and Bishop.

**ENG 4394 American Drama (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Development of American drama, with emphasis on O'Neill, Williams, Miller, Albee, and Hellman.

**ENG 4395 Special Topics in Creative Writing (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Topics in creative writing not covered in Creative Writing courses. Topic announced for each semester or session. Repeatable for a maximum of 6 credits.

**ENG 4397 Internship for Literature Majors (3)**

Pre-requisite(s): ENG 3300 or 3303 or 4309  
An internship to provide literature majors supervised experience in a business or professional setting. Elective credit only. Student may register for course in last semester of senior year only.

**ENG 43C1 Aesthetic Perception and Experience (3)**

Cross-listed as ARTH 43C1, MUS 43C1  
Pre-requisite(s): Senior standing; major in English, Art or Music; or consent of instructor  
Aesthetic Perception and Experience (ARTH/ENG/MUS 43C1) presents specific analytical approaches to visual art, literature, and music, leading students to learn analytical skills in those three areas. The professors then lead students to arrive at, then apply, general principles for aesthetic experience for all artistic fields.

**ENG 4V18 Independent Study in Literature (1-3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing and consent of the instructor  
Supervised individual reading and research. Repeat once with change of topic for maximum of six hours.

**ENG 4V19 Independent Study in Writing (1-3)**

Pre-requisite(s): Upper-level standing and consent of instructor  
Supervised individual writing. Repeat once with change of topic for maximum of six hours.

**ENG 4V98 Maastricht Topics (1-4)**

Pre-requisite(s): ENG 2310 Special topics in literature developed in conjunction with Baylor-in-Maastricht program

**ENG 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Linguistics (LING)

**LING 1305 Language in Society (3)**

Core principles of language as a social act and its employment in the construction of social identity. Examines linguistic variation in relation to multilingualism and notions of gender, power, ethnicity, race, and social class.

**LING 1V99 Elementary Special Studies in Less-Commonly Studied Languages (2-4)**

Pre-requisite(s): For majors only  
Consent of instructor. Study of a less-commonly studied language at the elementary level. May be repeated for a maximum total of sixteen hours with different content.

**LING 2V99 Intermediate Special Studies in Less-Commonly Studied Languages (2-4)**

Pre-requisite(s): For majors only

Consent of instructor. Study of a less-commonly studied language at the intermediate level. May be repeated for a maximum total of twelve hours with different content.

**LING 3310 Introduction to Linguistics (3)**

Cross-listed as ANT 3310, ENG 3310

See ENG 3310 for course information.

**LING 3311 English Words (3)**

Cross-listed as ENG 3301

See ENG 3301 for course information.

**LING 3312 Modern English Grammar (3)**

Cross-listed as ENG 3302

See ENG 3302 for course information.

**LING 3315 Sociolinguistics (3)**

Cross-listed as ENG 3305

Pre-requisite(s): Upper-level standing or consent of instructor

The study of language as it is used in its social context for marking an individual's group (e.g., race, gender, age, class, profession) membership.

**LING 3319 Language and Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The rich interaction between our language and cultural values in defining who we are and how we relate to one another. Understanding this complex interaction is seen as the key to effective cross-cultural communication.

**LING 3V99 Special Studies in Less-Commonly Studied Languages (2-3)**

Pre-requisite(s): For majors only

Consent of instructor. Study of a less-commonly studied language at the advanced level. May be repeated for a maximum total of six hours with different content.

**LING 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**LING 4302 Semantics and Pragmatics (3)**

Pre-requisite(s): LING 3310, ENG 3310, ANT 3310 or SPA 3309

Basic concepts, methods, and controversies in the study of word meanings, sentences, and discourse, including the interaction of language and context.

**LING 4303 Contemporary Syntax (3)**

Pre-requisite(s): ENG 3302 or LING 3312 or ENG/LING/ANT 3310 or SPA 3309

Principles of contemporary structural linguistics; concepts and operations of transformational syntax and case grammar as they are used to analyze the structure of language systems.

**LING 4305 Phonetics and Phonology (3)**

Pre-requisite(s): LING/ENG/ANT 3310 or SPA 3309

Principles and methods for studying sound systems of languages.

**LING 4311 Special Topics in Linguistics (3)**

Pre-requisite(s): Upper-level standing and consent of instructor

Topics in Linguistics not covered in the Language and Linguistics courses. Topic announced for each semester or session. Course can be repeated once with a change of topic and consent of the instructor.

**LING 4312 Old English Language (3)**

Cross-listed as ENG 4302

See ENG 4302 for course information.

**LING 4313 First Language Acquisition (3)**

Pre-requisite(s): LING 3310 or consent of instructor

Children's acquisition of sounds, lexicon, sentence structure, and contextual usage of their first language.

**LING 4314 History of the English Language (3)**

Cross-listed as ENG 4304

See ENG 4304 for course information.

**LING 4315 Psycholinguistics (3)**

Pre-requisite(s): LING/ENG/ANT 3310 or SPA 3309

Psychological processes involved in understanding, producing, and learning language; topics include speech perception, mental representations of language, the influence of language on thought, bilingualism, aphasia, and dyslexia.

**LING 4318 Second Language Acquisition (3)**

Pre-requisite(s): ENG 3302 or LING 3312 or LING 3310, ENG 3310, ANT 3310 or SPA 3309 or consent of instructor

Theories of language acquisition, taking into account such fields as linguistics, neurophysiology, psychology, sociology, and anthropology, as those disciplines illuminate the process of acquiring language. The course will also familiarize the student with problems and issues in the teaching of second languages.

**LING 4319 American English Dialects (3)**

Cross-listed as ENG 4319

Pre-requisite(s): LING 3310, ENG 3310, ANT 3310 or SPA 3309 or consent of instructor

Introduction to dialectology, focusing on the origins of American English dialects and their development through the spread of linguistic variation.

**LING 4V20 Independent Study in Linguistics (1-3)**

Pre-requisite(s): LING 3310, ENG 3310 or SPA 3309 and consent of instructor

Supervised individual research and study of a linguistic subfield or linguistics problem. Repeat once with change of topic for maximum of six hours.

**LING 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Professional Writing & Rhetoric (PWR)

**PWR 2314 Introduction to Professional Writing and Rhetoric (3)**

Surveys core theories of writing and rhetoric in a variety of professional genres and familiarizes students with the range of possible careers.

**PWR 3300 Technical Writing (3)**

Pre-requisite(s): ENG 1310; and either upper-level standing or consent of instructor

Emphasis on theories, principles, and practices of effective technical writing and writing in the sciences. Students will compose technical genres such as reports, proposals, memos, and documentation with an emphasis on usability, accessibility, data analysis, information design, ethics, writing style, and collaboration.

**PWR 3303 Persuasive and Argumentative Writing (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

An advanced writing workshop that focuses on the analysis and production of texts written for specific rhetorical situations and discourse communities. Emphasis on genre, persuasion, and rhetoric. Practice in various types of expository, narrative, persuasive, and academic writing.

**PWR 3309 Creative Nonfiction (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Focuses on popular nonfiction addressed to a wider audience. Students will practice creative nonfiction research methods and compose genres such as travel writing, memoir, autobiography, biography, profiles, and history.

**PWR 3313 Literacy Studies (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Examines histories, theories, and practices of literacy in relation to questions of ideology, education, schooling, identity, social class, technology, and/or composition.

**PWR 3316 Women's Writing and Rhetoric (3)**

Examines the ways women use language to persuade in both public and private spheres in both historical and contemporary periods, with special attention to both traditional rhetorical genres (speeches, letters, sermons, editorials) and nontraditional texts (quilts, recipe books, blogs).

**PWR 3317 Rhetoric of Race (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Exploration of rhetoric, writing, literacy, and culture in relation to race and other related issues, such as class, identity, gender, politics, and culture.

**PWR 3318 Professional & Workplace Writing (3)**

Study and practice of professional writing in workplace contexts, with attention to audience adaptation, project management, collaboration, work with clients, professionalization, and style. Students will compose a range of workplace writings (i.e., letters, proposals, reports, web documents, design documents) and create application materials for career positions or graduate study. Culminates in a digital portfolio. Required of all PWR majors.

**PWR 3321 Tutoring Writing (3)**

Pre-requisite(s): ENG 1310 or 1304, or other course from Research Writing DL and consent of instructor

Theoretical issues and pedagogical methods for tutoring writing one-on-one. Examines how people best learn to write, how to talk with writers about their writing, and how one-on-one tutoring facilitates learning to write, including writing process theory, tutoring methods, revision and editing strategies, transfer, genre and disciplinary conventions, and working with special client populations.

**PWR 3326 Studies in Public and Civic Writing (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Examines the role of writing and rhetoric in shaping, mobilizing, and changing the public's thinking on contemporary controversial issues. Focus on both historical and contemporary debates.

**PWR 3385 Special Topics in Writing Workshop (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Writing workshop centered on a particular topic. Student's practice writing genres that are related to the course theme. Topics may include food writing, travel writing, the teaching of writing, or other similar topics. Repeatable for a maximum of 6 credits with permission of department.

**PWR 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PWR 4309 Undergraduate Research and Publication (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Students will learn and apply key concepts, theories, and methods used to produce scholarship in the field of rhetoric and writing. Students will complete a major research project using writing studies research methodologies, such as empirical, archival, case-study, ethnographic, digital, qualitative, quantitative, and text and discourse analysis.

**PWR 4311 Writing for Social Change (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Emphasizes practical skills necessary for effective civic, public, or advocacy writing

Students use writing and related media to explore, analyze and advocate on issues of public concern with opportunities for students to create texts and campaigns.

**PWR 4321 New Media Writing and Rhetoric (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

A workshop course designed to develop skills in composing in multiple modes and media for different audiences, purposes, and situations. Students will analyze and compose a range of multimodal texts that integrate words, images, and sounds, such as digital stories, websites, video essays, audio compositions, scrapbooks, and posters.

**PWR 4323 Editing and Publishing (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

An exploration of the editing and publishing profession, including acquisitions and list building and development of a marketable publishing project. Addresses the history and philosophy of publishing, an editor's vocation, and current changes in the field.

**PWR 4348 Religious Rhetoric and Spiritual Writing (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

A writing workshop that provides experience writing from and critically analyzing spiritual perspectives. Students compose in a range of genres (creeds, spiritual autobiographies, and analyses of religious texts) in order to explore spiritual questions, religious experiences, and rhetorical concerns.

**PWR 4349 Advanced Creative Nonfiction (3)**

Pre-requisite(s): ENG 3309 or consent of instructor

Advanced workshop in writing, researching, and publishing creative nonfiction in popular media outlets including magazines, newspapers, blogs, and nonfiction books.

**PWR 4375 Special Topics Lecture in Writing and Rhetoric (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Close study of a topic in writing, rhetoric, literacy, or a related field. Topic announced each semester. Repeatable for a maximum of 6 credits with permission of department.

**PWR 4377 Writing Internship (3)**

Pre-requisite(s): ENG 3318 or concurrent enrollment, or consent of instructor

An internship to provide students in the WR program supervised writing experience in a business or professional setting. Required of all WR majors.

**PWR 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## English, B.A.

### Requirements for a Major in English

| Code   | Title  | Hours |
|--|--|-------|
| Thirty-six semester hours including the following:                               |  |       |
| <b>Required Courses</b>  |  |       |
| ENG 2301   | British Literature   | 3     |
| ENG 2310   | American Literary Cultures                                     | 3     |
| Twelve semester hours from the following:  |  | 12    |
| ENG 3311   | English Literature through the Sixteenth Century               |       |
| ENG 3331   | English Literature of the Seventeenth and Eighteenth Centuries |       |
| ENG 3351   | British Literature from the Nineteenth Century to the Present  |       |
| ENG 3380   | American Literature through Whitman                            |       |
| ENG 3390   | American Literature from Whitman                               |       |
| Three semester hours of 4000-Level Early English Literature Courses <sup>1</sup> |  | 3     |
| ENG 4310   | Old and Early Middle English Literature                        |       |
| ENG 4313   | Later Middle English Literature Excluding Chaucer              |       |
| ENG 4314   | Chaucer  |       |
| ENG 4316   | Special Topics in Medieval Literature                          |       |
| ENG 4320   | English Drama to 1642  |       |
| ENG 4322   | Sixteenth-Century Poetry and Prose                             |       |
| ENG 4324   | Shakespeare: Selected Plays                                    |       |
| ENG 4330   | Early Seventeenth-Century Poetry and Prose                     |       |
| ENG 4332   | Milton   |       |
| Three semester hours of 4000-Level Late British Literature Courses <sup>1</sup>  |  | 3     |
| ENG 4340   | English Poetry and Prose from 1660 to 1745                     |       |
| ENG 4342   | English Poetry and Prose from 1745 to 1798                     |       |
| ENG 4344   | English Drama from 1660 to 1800                                |       |
| ENG 4347   | Eighteenth-Century British Novel                               |       |
| ENG 4354   | Romantic Poetry  |       |
| ENG 4355   | Romantic Prose   |       |
| ENG 4360   | Victorian Prose  |       |
| ENG 4362   | Victorian Poetry   |       |
| ENG 4364   | The Brownings  |       |
| ENG 4368   | Nineteenth-Century British Novel                               |       |
| ENG 4369   | Modern British Novel   |       |
| ENG 4371   | Modern British Poetry  |       |
| ENG 4372   | Modern British and Continental Drama                           |       |
| Three semester hours of 4000-Level American Literature Courses <sup>1</sup>      |  | 3     |
| ENG 4380   | American Renaissance   |       |
| ENG 4381   | Early American Literature                                      |       |
| ENG 4383   | American Realism and Naturalism                                |       |
| ENG 4386   | Postmodern American Novel                                      |       |

|   |                            |           |
|---|----------------------------|-----------|
| ENG 4387  | Modern American Novel      |           |
| ENG 4389  | Postmodern American Poetry |           |
| ENG 4390  | Literature of the South    |           |
| ENG 4391  | Modern American Poetry     |           |
| ENG 4394  | American Drama             |           |
| Nine semester hours 3000-4000 level ENG, LING, or PWR courses |                            | 9         |
| A grade of "C" or better in courses used for the major.       |                            |           |
| <b>Total Hours</b>  |                            | <b>36</b> |

<sup>1</sup> English majors should take the required junior level surveys before taking 4000-level classes.

## English - Secondary Major

### Requirements for a Secondary Major in English

| Code   | Title  | Hours |
|--|--|-------|
| Thirty-six semester hours including the following:                               |  |       |
| <b>Required Courses</b>  |  |       |
| ENG 2301   | British Literature   | 3     |
| ENG 2310   | American Literary Cultures                                     | 3     |
| Twelve semester hours from the following:  |  | 12    |
| ENG 3311   | English Literature through the Sixteenth Century               |       |
| ENG 3331   | English Literature of the Seventeenth and Eighteenth Centuries |       |
| ENG 3351   | British Literature from the Nineteenth Century to the Present  |       |
| ENG 3380   | American Literature through Whitman                            |       |
| ENG 3390   | American Literature from Whitman                               |       |
| Three semester hours of 4000-Level Early English Literature Courses <sup>1</sup> |  | 3     |
| ENG 4310   | Old and Early Middle English Literature                        |       |
| ENG 4313   | Later Middle English Literature Excluding Chaucer              |       |
| ENG 4314   | Chaucer  |       |
| ENG 4316   | Special Topics in Medieval Literature                          |       |
| ENG 4320   | English Drama to 1642  |       |
| ENG 4322   | Sixteenth-Century Poetry and Prose                             |       |
| ENG 4324   | Shakespeare: Selected Plays                                    |       |
| ENG 4330   | Early Seventeenth-Century Poetry and Prose                     |       |
| ENG 4332   | Milton   |       |
| Three semester hours of 4000-Level Late British Literature Courses <sup>1</sup>  |  | 3     |
| ENG 4340   | English Poetry and Prose from 1660 to 1745                     |       |
| ENG 4342   | English Poetry and Prose from 1745 to 1798                     |       |
| ENG 4344   | English Drama from 1660 to 1800                                |       |
| ENG 4347   | Eighteenth-Century British Novel                               |       |
| ENG 4354   | Romantic Poetry  |       |
| ENG 4355   | Romantic Prose   |       |

|   |                                      |           |
|---|--------------------------------------|-----------|
| ENG 4360  | Victorian Prose                      |           |
| ENG 4362  | Victorian Poetry                     |           |
| ENG 4364  | The Brownings                        |           |
| ENG 4368  | Nineteenth-Century British Novel     |           |
| ENG 4369  | Modern British Novel                 |           |
| ENG 4371  | Modern British Poetry                |           |
| ENG 4372  | Modern British and Continental Drama |           |
| Three semester hours of 4000-Level American Literature Courses <sup>1</sup>   |                                      | 3         |
| ENG 4380  | American Renaissance                 |           |
| ENG 4381  | Early American Literature            |           |
| ENG 4383  | American Realism and Naturalism      |           |
| ENG 4386  | Postmodern American Novel            |           |
| ENG 4387  | Modern American Novel                |           |
| ENG 4389  | Postmodern American Poetry           |           |
| ENG 4390  | Literature of the South              |           |
| ENG 4391  | Modern American Poetry               |           |
| ENG 4394  | American Drama                       |           |
| Nine semester hours of 3000-4000 level ENG, LING, or PWR courses <sup>2</sup> |                                      | 9         |
| A grade of "C" or better in courses used for the major                        |                                      |           |
| <b>Total Hours</b>  |                                      | <b>36</b> |

<sup>1</sup> Secondary majors in English should take the required junior level surveys before taking 4000-level classes.

## English Minor

### Requirements for a Minor in English

| Code   | Title  | Hours |
|--|--|-------|
| Eighteen semester hours including the following:                     |  |       |
| <b>Required Courses</b>  |  |       |
| ENG 2301   | British Literature   | 3     |
| ENG 2310   | American Literary Cultures                                     | 3     |
| Three semester hours of 3000-4000 level American Literature courses: |  | 3     |
| ENG 3376   | African American Literature                                    |       |
| ENG 3380   | American Literature through Whitman                            |       |
| ENG 3390   | American Literature from Whitman                               |       |
| ENG 4380   | American Renaissance   |       |
| ENG 4381   | Early American Literature                                      |       |
| ENG 4387   | Modern American Novel  |       |
| ENG 4390   | Literature of the South  |       |
| ENG 4391   | Modern American Poetry   |       |
| ENG 4394   | American Drama   |       |
| Three semester hours of 3000-4000 level British Literature courses:  |  | 3     |
| ENG 3311   | English Literature through the Sixteenth Century               |       |
| ENG 3331   | English Literature of the Seventeenth and Eighteenth Centuries |       |
| ENG 3351   | British Literature from the Nineteenth Century to the Present  |       |

|  |  |           |
|--|--|-----------|
| ENG 3372   | The Oxford Christians                      |           |
| ENG 4310   | Old and Early Middle English Literature    |           |
| ENG 4314   | Chaucer                                    |           |
| ENG 4316   | Special Topics in Medieval Literature      |           |
| ENG 4320   | English Drama to 1642                      |           |
| ENG 4322   | Sixteenth-Century Poetry and Prose         |           |
| ENG 4324   | Shakespeare: Selected Plays                |           |
| ENG 4330   | Early Seventeenth-Century Poetry and Prose |           |
| ENG 4332   | Milton                                     |           |
| ENG 4340   | English Poetry and Prose from 1660 to 1745 |           |
| ENG 4342   | English Poetry and Prose from 1745 to 1798 |           |
| ENG 4344   | English Drama from 1660 to 1800            |           |
| ENG 4347   | Eighteenth-Century British Novel           |           |
| ENG 4354   | Romantic Poetry                            |           |
| ENG 4360   | Victorian Prose                            |           |
| ENG 4362   | Victorian Poetry                           |           |
| ENG 4364   | The Brownings                              |           |
| ENG 4368   | Nineteenth-Century British Novel           |           |
| ENG 4369   | Modern British Novel                       |           |
| ENG 4371   | Modern British Poetry                      |           |
| Six semester hours of additional 3000-4000 ENG, LING, or PWR courses |  | 6         |
| A grade of "C" or better in courses used for the major.              |  |           |
| <b>Total Hours</b>   |  | <b>18</b> |

## Creative Writing Minor

### Requirements for a Minor in Creative Writing

| Code   | Title   | Hours |
|--|---|-------|
| Eighteen semester hours including all courses from one of the following options: |   |       |
| <b>Required Courses</b>  |   |       |
| <i>Option One: Creative Writing, Poetry</i>                                      |   |       |
| ENG 3304   | Creative Writing: Poetry                              |       |
| ENG 4305   | Advanced Creative Writing: Poetry (take course twice) |       |
| Select three semester hours from the following:                                  |   |       |
| ENG 4371   | Modern British Poetry                                 |       |
| ENG 4385   | Contemporary Poetry                                   |       |
| ENG 4391   | Modern American Poetry                                |       |
| Six semester hours of 3000-4000 level ENG courses                                |   |       |
| <i>Option Two: Creative Writing, Fiction</i>                                     |   |       |
| ENG 3306   | Creative Writing: Prose                               |       |
| ENG 4301   | Advanced Creative Writing: Prose (take course twice)  |       |
| Three semester hours from the following:   |   |       |
| ENG 3374   | Short Fiction: A Reading Course                       |       |
| ENG 4369   | Modern British Novel                                  |       |
| ENG 4378   | Contemporary Novel                                    |       |



|   |                       |
|---|-----------------------|
| ENG 4387  | Modern American Novel |
| Six semester hours of 3000-4000 level ENG courses       |                       |
| <b>Additional Requirements</b>                          |                       |
| A grade of "C" or better in courses used for the minor. |                       |
| <b>Total Hours</b>                                      | <b>18</b>             |

## Joint Bachelor of Arts/Master of Arts in Teaching (with Teacher Certification)

To earn the joint BA/MAT in English, a student must complete all basic requirements for the BA degree with a major in English, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission).

## Professional Writing and Rhetoric, B.A. Requirements for a Major in Professional Writing and Rhetoric

| Code   | Title   | Hours |
|--|---|-------|
| Thirty-six semester hours including the following:             |   |       |
| <b>Required Courses</b>  |   |       |
| ENG 1310   | Writing and Academic Inquiry Seminars             | 3     |
| ENG 2301   | British Literature                                | 3     |
| PWR 2314   | Introduction to Professional Writing and Rhetoric | 3     |
| PWR 3318   | Professional & Workplace Writing                  | 3     |
| PWR 4377   | Writing Internship                                | 3     |
| Six semester hours of Lecture courses:                         |   | 6     |
| PWR 3313   | Literacy Studies                                  |       |
| PWR 3316   | Women's Writing and Rhetoric                      |       |
| PWR 3317   | Rhetoric of Race                                  |       |
| PWR 3326   | Studies in Public and Civic Writing               |       |
| PWR 4323   | Editing and Publishing                            |       |
| PWR 4375   | Special Topics Lecture in Writing and Rhetoric    |       |
| Nine semester hours of Workshop or Project-based courses:      |   | 9     |
| PWR 3300   | Technical Writing                                 |       |
| PWR 3303   | Persuasive and Argumentative Writing              |       |
| PWR 3309   | Creative Nonfiction                               |       |
| PWR 3321   | Tutoring Writing                                  |       |
| PWR 3385   | Special Topics in Writing Workshop                |       |
| PWR 4309   | Undergraduate Research and Publication            |       |
| PWR 4311   | Writing for Social Change                         |       |
| PWR 4321   | New Media Writing and Rhetoric                    |       |
| PWR 4348   | Religious Rhetoric and Spiritual Writing          |       |
| PWR 4349   | Advanced Creative Nonfiction                      |       |
| Three semester hours of Literature courses from the following: |   | 3     |

|          |  |
|----------|--|
| ENG 3311 | English Literature through the Sixteenth Century               |
| ENG 3331 | English Literature of the Seventeenth and Eighteenth Centuries |
| ENG 3351 | British Literature from the Nineteenth Century to the Present  |
| ENG 3370 | Religion and Literature  |
| ENG 3371 | History of Critical Theory                                     |
| ENG 3372 | The Oxford Christians  |
| ENG 3374 | Short Fiction: A Reading Course                                |
| ENG 3375 | Post-Colonial Literature                                       |
| ENG 3376 | African American Literature                                    |
| ENG 3377 | The Art of Film  |
| ENG 3378 | Topics in Literature   |
| ENG 3380 | American Literature through Whitman                            |
| ENG 3390 | American Literature from Whitman                               |
| ENG 4310 | Old and Early Middle English Literature                        |
| ENG 4313 | Later Middle English Literature Excluding Chaucer              |
| ENG 4314 | Chaucer  |
| ENG 4316 | Special Topics in Medieval Literature                          |
| ENG 4320 | English Drama to 1642  |
| ENG 4322 | Sixteenth-Century Poetry and Prose                             |
| ENG 4324 | Shakespeare: Selected Plays                                    |
| ENG 4330 | Early Seventeenth-Century Poetry and Prose                     |
| ENG 4332 | Milton   |
| ENG 4340 | English Poetry and Prose from 1660 to 1745                     |
| ENG 4342 | English Poetry and Prose from 1745 to 1798                     |
| ENG 4344 | English Drama from 1660 to 1800                                |
| ENG 4347 | Eighteenth-Century British Novel                               |
| ENG 4354 | Romantic Poetry  |
| ENG 4360 | Victorian Prose  |
| ENG 4364 | The Brownings  |
| ENG 4368 | Nineteenth-Century British Novel                               |
| ENG 4369 | Modern British Novel   |
| ENG 4370 | Women Writers  |
| ENG 4371 | Modern British Poetry  |
| ENG 4372 | Modern British and Continental Drama                           |
| ENG 4374 | Special Topics in Literature                                   |
| ENG 4378 | Contemporary Novel   |
| ENG 4379 | Great Books of the Western World                               |
| ENG 4380 | American Renaissance   |
| ENG 4381 | Early American Literature                                      |
| ENG 4382 | Major Authors  |
| ENG 4383 | American Realism and Naturalism                                |
| ENG 4384 | Contemporary Critical Theory                                   |
| ENG 4385 | Contemporary Poetry  |
| ENG 4386 | Postmodern American Novel                                      |
| ENG 4387 | Modern American Novel  |
| ENG 4388 | Christian Literary Classics                                    |

|  |                            |           |
|--|----------------------------|-----------|
| ENG 4389   | Postmodern American Poetry |           |
| ENG 4390   | Literature of the South    |           |
| ENG 4391   | Modern American Poetry     |           |
| ENG 4394   | American Drama             |           |
| Three semester hours of additional 3000-4000 ENG or LING courses |                            | 3         |
| A grade of "C" or better in courses used for the major           |                            |           |
| <b>Total Hours</b>   |                            | <b>36</b> |

## Professional Writing and Rhetoric - Secondary Major

### Requirements for a Secondary Major in Professional Writing and Rhetoric

| Code  | Title  | Hours |
|---|--|-------|
| Thirty semester hours including the following:              |  |       |
| <b>Required Courses</b>                                     |  |       |
| Six semester hours from the following:                      |  | 6     |
| PWR 2314  | Introduction to Professional Writing and Rhetoric              |       |
| PWR 3318  | Professional & Workplace Writing                               |       |
| PWR 4377  | Writing Internship   |       |
| Six semester hours of Lecture courses:                      |  | 6     |
| PWR 3313  | Literacy Studies   |       |
| PWR 3316  | Women's Writing and Rhetoric                                   |       |
| PWR 3317  | Rhetoric of Race   |       |
| PWR 3326  | Studies in Public and Civic Writing                            |       |
| PWR 4323  | Editing and Publishing   |       |
| PWR 4375  | Special Topics Lecture in Writing and Rhetoric                 |       |
| Twelve semester hours of Workshop or Project-based courses: |  | 12    |
| PWR 3300  | Technical Writing  |       |
| PWR 3303  | Persuasive and Argumentative Writing                           |       |
| PWR 3309  | Creative Nonfiction  |       |
| PWR 3321  | Tutoring Writing   |       |
| PWR 3385  | Special Topics in Writing Workshop                             |       |
| PWR 4309  | Undergraduate Research and Publication                         |       |
| PWR 4311  | Writing for Social Change                                      |       |
| PWR 4321  | New Media Writing and Rhetoric                                 |       |
| PWR 4348  | Religious Rhetoric and Spiritual Writing                       |       |
| PWR 4349  | Advanced Creative Nonfiction                                   |       |
| PWR 4377  | Writing Internship   |       |
| Three semester hours of 3000-4000 Literature courses:       |  | 3     |
| ENG 3311  | English Literature through the Sixteenth Century               |       |
| ENG 3331  | English Literature of the Seventeenth and Eighteenth Centuries |       |
| ENG 3351  | British Literature from the Nineteenth Century to the Present  |       |
| ENG 3370  | Religion and Literature  |       |
| ENG 3371  | History of Critical Theory                                     |       |
| ENG 3372  | The Oxford Christians  |       |

|  |   |    |
|--|---|----|
| ENG 3374   | Short Fiction: A Reading Course                   |    |
| ENG 3375   | Post-Colonial Literature                          |    |
| ENG 3376   | African American Literature                       |    |
| ENG 3377   | The Art of Film                                   |    |
| ENG 3378   | Topics in Literature                              |    |
| ENG 3380   | American Literature through Whitman               |    |
| ENG 3390   | American Literature from Whitman                  |    |
| ENG 4310   | Old and Early Middle English Literature           |    |
| ENG 4313   | Later Middle English Literature Excluding Chaucer |    |
| ENG 4314   | Chaucer   |    |
| ENG 4316   | Special Topics in Medieval Literature             |    |
| ENG 4320   | English Drama to 1642                             |    |
| ENG 4322   | Sixteenth-Century Poetry and Prose                |    |
| ENG 4324   | Shakespeare: Selected Plays                       |    |
| ENG 4330   | Early Seventeenth-Century Poetry and Prose        |    |
| ENG 4332   | Milton  |    |
| ENG 4340   | English Poetry and Prose from 1660 to 1745        |    |
| ENG 4342   | English Poetry and Prose from 1745 to 1798        |    |
| ENG 4344   | English Drama from 1660 to 1800                   |    |
| ENG 4347   | Eighteenth-Century British Novel                  |    |
| ENG 4354   | Romantic Poetry                                   |    |
| ENG 4360   | Victorian Prose                                   |    |
| ENG 4364   | The Brownings                                     |    |
| ENG 4368   | Nineteenth-Century British Novel                  |    |
| ENG 4369   | Modern British Novel                              |    |
| ENG 4370   | Women Writers                                     |    |
| ENG 4371   | Modern British Poetry                             |    |
| ENG 4372   | Modern British and Continental Drama              |    |
| ENG 4374   | Special Topics in Literature                      |    |
| ENG 4378   | Contemporary Novel                                |    |
| ENG 4379   | Great Books of the Western World                  |    |
| ENG 4380   | American Renaissance                              |    |
| ENG 4381   | Early American Literature                         |    |
| ENG 4382   | Major Authors                                     |    |
| ENG 4383   | American Realism and Naturalism                   |    |
| ENG 4384   | Contemporary Critical Theory                      |    |
| ENG 4385   | Contemporary Poetry                               |    |
| ENG 4386   | Postmodern American Novel                         |    |
| ENG 4387   | Modern American Novel                             |    |
| ENG 4388   | Christian Literary Classics                       |    |
| ENG 4389   | Postmodern American Poetry                        |    |
| ENG 4390   | Literature of the South                           |    |
| ENG 4391   | Modern American Poetry                            |    |
| ENG 4394   | American Drama                                    |    |
| Three semester hours of additional 3000-4000 ENG or LING courses |   | 3  |
| A grade of "C" or better in courses used for the major.          |   |    |
| Total Hours  |   | 30 |

# Linguistics, B.A.

## Requirements for a Major in Linguistics

**Code** **Title** **Hours**

Twenty-seven semester hours including the following:

### Required Courses

|           |                             |   |
|-----------|-----------------------------|---|
| LING 3310 | Introduction to Linguistics | 3 |
| LING 4302 | Semantics and Pragmatics    | 3 |
| LING 4303 | Contemporary Syntax         | 3 |
| LING 4305 | Phonetics and Phonology     | 3 |

Twelve semester hours from the following: 12

|           |                                  |  |
|-----------|----------------------------------|--|
| LING 3311 | English Words                    |  |
| LING 3315 | Sociolinguistics                 |  |
| LING 3319 | Language and Culture             |  |
| LING 4311 | Special Topics in Linguistics    |  |
| LING 4312 | Old English Language             |  |
| LING 4313 | First Language Acquisition       |  |
| LING 4314 | History of the English Language  |  |
| LING 4315 | Psycholinguistics                |  |
| LING 4318 | Second Language Acquisition      |  |
| LING 4319 | American English Dialects        |  |
| LING 4V20 | Independent Study in Linguistics |  |

Three semester hours from the following courses or any of the courses not counted above: 3

|           |  |  |
|-----------|--|--|
| LING 3312 | Modern English Grammar                           |  |
| TED 4312  | Methods of Teaching English as a Second Language |  |
| SPA 4315  | Methods of Foreign Language Teaching             |  |
| FRE 4315  | Methods of Foreign Language Teaching             |  |
| GER 4315  | Methods of Foreign Language Teaching             |  |
| PHI 4345  | Intermediate Logic                               |  |
| PHI 4353  | Philosophy of Language                           |  |
| PSY 3311  | Cognition  |  |

A grade of "C" or better in courses used for the major.

**Subtotal** **27**

### Required Courses in Other Fields

Twelve semester hours from the following: 12

|  |   |  |
|--|---|--|
| Foreign Languages 1301 (includes: ARB, CHI, GRK, HEB, JPN, KOR, RUS, SAN, SWA) |   |  |
| Foreign Languages 1302 (includes: ARB, CHI, GRK, HEB, JPN, KOR, RUS, SAN, SWA) |   |  |
| Foreign Languages 2310 (includes: ARB, CHI, GRK, HEB, JPN, KOR, RUS, SAN, SWA) |   |  |
| Foreign Languages 2320 (includes: ARB, CHI, GRK, HEB, JPN, KOR, RUS, SAN, SWA) |   |  |
| CSD 1405   | American Sign Language I  |  |
| CSD 1406   | American Sign Language II                                       |  |
| CSD 2301   | American Sign Language III                                      |  |
| CSD 2302   | American Sign Language IV                                       |  |
| LING 1V99  | Elementary Special Studies in Less-Commonly Studied Languages   |  |
| LING 2V99  | Intermediate Special Studies in Less-Commonly Studied Languages |  |

Or any course from the list below: <sup>1</sup>

|              |  |
|--------------|--|
| ARA/REL 4303 | Aramaic  |
| ARB 3301     | Advanced Arabic Grammar                            |
| CHI 3301     | Chinese Conversation, Composition, and Readings I  |
| CHI 3302     | Chinese Conversation, Composition, and Readings II |
| CLA 4360     | Indo-European Language and Culture                 |
| GRK 3351     | The Epistles                                       |
| JPN 3301     | Advanced Japanese I                                |
| JPN 3302     | Japanese Culture through Reading                   |
| JPN 3303     | Japanese Conversation and Composition              |
| LING 3V99    | Special Studies in Less-Commonly Studied Languages |
| REL 3309     | Advanced Biblical Hebrew I                         |
| REL 3310     | Advanced Biblical Hebrew II                        |
| REL 3320     | Advanced Classical and Biblical Greek I            |
| REL 3321     | Advanced Classical and Biblical Greek II           |
| RUS 3301     | Russian Conversation and Composition               |
| RUS 3302     | Russian Reading Development                        |
| RUS 3310     | Russian phonetics and phonology                    |
| SYR/REL 4304 | Syriac   |

**Total Hours** **39**

<sup>1</sup> No more than two upper-level courses with the same prefix may count toward this requirement. No course counting toward the Arts & Sciences B.A. language requirement may also count toward this requirement.

## Linguistics - Secondary Major

### Requirements for a Secondary Major in Linguistics

**Code** **Title** **Hours**

Thirty-six semester hours including the following:

### Required Courses

|           |                             |   |
|-----------|-----------------------------|---|
| LING 3310 | Introduction to Linguistics | 3 |
| LING 4302 | Semantics and Pragmatics    | 3 |
| LING 4303 | Contemporary Syntax         | 3 |
| LING 4305 | Phonetics and Phonology     | 3 |

Select twelve semester hours from the following: 12

|           |                                  |  |
|-----------|----------------------------------|--|
| LING 3311 | English Words                    |  |
| LING 3315 | Sociolinguistics                 |  |
| LING 3319 | Language and Culture             |  |
| LING 4311 | Special Topics in Linguistics    |  |
| LING 4312 | Old English Language             |  |
| LING 4313 | First Language Acquisition       |  |
| LING 4314 | History of the English Language  |  |
| LING 4315 | Psycholinguistics                |  |
| LING 4318 | Second Language Acquisition      |  |
| LING 4319 | American English Dialects        |  |
| LING 4V20 | Independent Study in Linguistics |  |

A grade of "C" or better in LING courses used for the major.

|  |   |           |
|--|---|-----------|
| Twelve semester hours from the following:                                      |   | 12        |
| Foreign Languages 1301 (includes: ARB, CHI, GRK, HEB, JPN, KOR, RUS, SAN, SWA) |   |           |
| Foreign Languages 1302 (includes: ARB, CHI, GRK, HEB, JPN, KOR, RUS, SAN, SWA) |   |           |
| Foreign Languages 2310 (includes: ARB, CHI, GRK, HEB, JPN, KOR, RUS, SWA)      |   |           |
| Foreign Languages 2320 (includes: ARB, CHI, GRK, HEB, JPN, KOR, RUS, SWA)      |   |           |
| CSD 1405   | American Sign Language I  |           |
| CSD 1406   | American Sign Language II                                       |           |
| CSD 2301   | American Sign Language III                                      |           |
| CSD 2302   | American Sign Language IV                                       |           |
| LING 1V99  | Elementary Special Studies in Less-Commonly Studied Languages   |           |
| LING 2V99  | Intermediate Special Studies in Less-Commonly Studied Languages |           |
| Or any course from the list below: <sup>1</sup>                                |   |           |
| ARA/REL 4303   | Aramaic   |           |
| ARB 3301   | Advanced Arabic Grammar   |           |
| CHI 3301   | Chinese Conversation, Composition, and Readings I               |           |
| CHI 3302   | Chinese Conversation, Composition, and Readings II              |           |
| CLA 4360   | Indo-European Language and Culture                              |           |
| GRK 3351   | The Epistles  |           |
| JPN 3301   | Advanced Japanese I   |           |
| JPN 3302   | Japanese Culture through Reading                                |           |
| JPN 3303   | Japanese Conversation and Composition                           |           |
| LING 3V99  | Special Studies in Less-Commonly Studied Languages              |           |
| REL 3309   | Advanced Biblical Hebrew I                                      |           |
| REL 3310   | Advanced Biblical Hebrew II                                     |           |
| REL 3320   | Advanced Classical and Biblical Greek I                         |           |
| REL 3321   | Advanced Classical and Biblical Greek II                        |           |
| RUS 3301   | Russian Conversation and Composition                            |           |
| RUS 3302   | Russian Reading Development                                     |           |
| RUS 3310   | Russian phonetics and phonology                                 |           |
| SYR/REL 4304   | Syriac  |           |
| <b>Total Hours</b>   |   | <b>36</b> |

<sup>1</sup> No more than two upper-level courses with the same prefix may count toward this requirement. No course counting toward the Arts & Sciences B.A. language requirement may also count toward this requirement.

## Linguistics Minor

### Requirements for a Minor in Linguistics

| Code   | Title                       | Hours |
|--|-----------------------------|-------|
| Eighteen semester hours including the following: |                             |       |
| <b>Required Courses</b>                          |                             |       |
| LING 3310  | Introduction to Linguistics | 3     |
| LING 4302  | Semantics and Pragmatics    | 3     |

|   |                                 |           |
|---|---------------------------------|-----------|
| LING 4303   | Contemporary Syntax             | 3         |
| LING 4305   | Phonetics and Phonology         | 3         |
| Select six semester hours from the following:           |                                 | 6         |
| LING 3311   | English Words                   |           |
| LING 3315   | Sociolinguistics                |           |
| LING 3319   | Language and Culture            |           |
| LING 4311   | Special Topics in Linguistics   |           |
| LING 4313   | First Language Acquisition      |           |
| LING 4314   | History of the English Language |           |
| LING 4315   | Psycholinguistics               |           |
| LING 4318   | Second Language Acquisition     |           |
| LING 4319   | American English Dialects       |           |
| A grade of "C" or better in courses used for the minor. |                                 |           |
| <b>Total Hours</b>                                      |                                 | <b>18</b> |

## Environmental Science

Human life quality is threatened by a rapidly deteriorating environment. The causes and effects of this problem have economic, political, cultural, and physical attributes. Solutions will be derived from a comprehensive examination of human value systems in the context of specific management decisions. Consequently, the Department of Environmental Science contributes to the comprehension and solution of environmental problems by focusing the skills of many disciplines through a new ecosystem perspective. This is an interdisciplinary evaluation of regional, national, and international environmental problems of human existence and their solutions. The Department of Environmental Science encourages interdisciplinary research projects.

- Environmental Studies, B.A. (p. 131)
- Joint Bachelor of Arts/Master of Arts in Teaching (p. 133)
- Environmental Health Science, B.S. (p. 133)
- Environmental Science, B.S. (p. 134)
- Joint Bachelor of Science/Master of Arts in Teaching (p. 135)
- Environmental Studies Minor (p. 135)

## Environmental Science (ENV)

### ENV 1101 An Introduction to Environmental Analysis (Lab) (1)

Pre-requisite(s): Credit or concurrent enrollment in ENV 1301  
Methods of collection, analysis, and interpretation of environmental data as used in the social, behavioral, physical and biological disciplines.

### ENV 1103 Wildlife Ecology Laboratory Exercises (1)

Pre-requisite(s): ENV 1303; or concurrent enrollment in ENV 1303  
Laboratory experience in basic ecological methodologies, including interpreting elementary graphic and statistical information, gathering population and habitat data, and understanding how science might be used to solve practical environmental problems.

### ENV 1301 Exploring Environmental Issues (3)

A survey of the fundamental physical, biological, and social forces affecting the solution of environmental problems. Principles of environmental history, political science, economics, biology, geology, physics, anthropology, and related disciplines.

### ENV 1303 Wildlife Ecology (3)

Introduction to wildlife identification, populations, life histories, behavior and habitats and the role of wildlife in ecological communities and ecosystems.

**ENV 1305 Freshman Environmental Seminar (3)**

Pre-requisite(s): Freshman or sophomore standing

Introduces first-year students to significant topics in environmental studies. Emphasizes critical inquiry and thinking, research, scholarly communication, and problem-solving. Does not apply on the laboratory science requirement.

**ENV 1309 Introduction to Environmental Sustainability (3)**

This course will introduce students to the major tenets of sustainability and will explore the real world application of sustainable practices on a local, national, and global scale. Topics will demonstrate interrelationships of various tools and approaches for sustainable development. Mastery of the materials from this course will prepare students to make positive changes on campus and beyond.

**ENV 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ENV 2307 Ecology for a Changing World (3)**

Pre-requisite(s): BIO 1405, 1305 or 1401; and credit or concurrent enrollment in ENV 1301 or 1303

The principles of ecology, emphasizing the effects of human activities on individuals, populations, communities and large-scale ecological systems.

**ENV 2376 Environment and Society (3)**

Introduction to ethical, historical, and social science analysis of environmental issues, such as climate change, loss of biodiversity, water pollution, and urbanization. Emphasis on case histories and human dimensions of environmental problem solving.

**ENV 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ENV 3100 Environmental Health Seminar (1)**

Pre-requisite(s): ENV 3314; or consent of instructor

Seminars by faculty and visiting speakers on topics in environmental health science. May be repeated once, with different content. Major paper required.

**ENV 3103 Seminar on Environmental Topics (1)**

Seminars by faculty and visiting speakers on various topics in environmental studies. May be repeated once, with different content.

**ENV 3106 Conserving Biodiversity (Lab) (1)**

Pre-requisite(s): ENV 3306 or concurrent enrollment in ENV 3306

Laboratory and field sampling methods for determining species diversity, minimum viable population size, and impacts of human disturbance on species survival.

**ENV 3108 Marine Environments Laboratory (1)**

Pre-requisite(s): Credit or concurrent enrollment in ENV 3308

Study of specimens and field surveys of major taxa of marine organisms; visits to typical marine and estuarine habitats. Overnight field trips required.

**ENV 3133 Analytical Analysis of Water Quality (1)**

Pre-requisite(s): Upper-level standing

This course provides instruction relating to the delineation of watersheds by the use of topographical maps and aerial photographs, and the use of scientific methodology to estimate quantitative values for contaminant levels.

**ENV 3137 Wildlife Management Methods (1)**

Pre-requisite(s): ENV 3337 or concurrent enrollment

Laboratory techniques used in wildlife management, abundance estimates, management of habitats, and resolving current issues in wildlife management. Studies of game, non-game, endangered, and exotic species.

**ENV 3187 Environmental Chemistry Laboratory (1)**

Pre-requisite(s): Credit or concurrent enrollment in ENV 3387; or consent of instructor

Introduction to experimental, field sampling, and analytical methods in environmental chemistry. Emphasis on field detection of both organic and inorganic compounds in soil, water, and air via spectrometric, chromatographic, and fluorometric instrumentation.

**ENV 3188 Laboratory Methods in Environmental Assessment and Monitoring (1)**

Co-requisite(s): ENV 3187

Pre-requisite(s): ENV 1301, 1101, and 2307

Lab expands upon concepts learned in ENV 3210 by providing techniques that determine biological responses to stressors.

**ENV 3216 Air Quality and Monitoring Laboratory (2)**

Pre-requisite(s): CHE 1300, 1301 or 1405; and credit or concurrent enrollment in ENV 3316

An introduction to laboratory, field sampling, and data analysis techniques used in air quality monitoring. Topics will include measurement and analysis of pollutants such as ozone, particulate matter, and sulfur dioxide, and basic modeling.

**ENV 3300 The Environment and Political Processes (3)**

Cross-listed as PSC 3300

See PSC 3300 for course information.

**ENV 3301 Team Research in Environmental Studies (3)**

Pre-requisite(s): Sophomore or junior standing; or consent of the instructor

Students will participate in a team research project under the supervision of a Baylor faculty member. Students will be expected to attend one hour of lecture and to complete a minimum of six hours of field or laboratory work a week. May be repeated once under different topic.

**ENV 3303 Directed Reading in Environmental Studies (3)**

Pre-requisite(s): ENV 1301 or consent of instructor

Critical reading in environmental studies. Student-led discussion and evaluation. May be repeated with a change of topic for a maximum total credit of six semester hours.

**ENV 3306 Conserving Biodiversity (3)**

Pre-requisite(s): ENV 1301 or BIO 1306 or consent of instructor

Introduction to causes of species and habitat loss. Application of ecological and genetic concepts to conservation and restoration of animal and plant species.

**ENV 3308 Marine Environments and Biodiversity (3)**

Pre-requisite(s): Six hours of environmental studies or biology courses, or consent of instructor

Introduction to marine life forms, ecological adaptations, habitats, and critical issues in conserving marine biodiversity.



**ENV 3310 Field Techniques for Environmental Science (3)**

Pre-requisite(s): ENV 1301 and ENV 1101

Environmental sampling methods and sample processing; data collection and analysis, and biological indexing. Course provides hands-on experience in performing Texas Commission for Environmental Quality sampling techniques for air, water, sediments, and biota, with emphasis on aquatic systems.

Fee: \$200

**ENV 3314 Introduction to Environmental Health (3)**

Cross-listed as BIO 3315

Pre-requisite(s): Sophomore standing or above

Study of environmental hazards to the health of humans and other vertebrates, including pollution, radiation, wastes, urbanization, and climate change. Topics include epidemiology, risk assessment, infectious diseases, emerging contaminants, and regulation.

**ENV 3316 Introduction to Air Quality (3)**

Pre-requisite(s): CHE 1300, 1301 or 1405

Introduction to atmospheric chemistry, and transport and deposition of air pollutants. Topics include major sources of pollution, climate change, atmospheric regulation, and impacts on human health.

**ENV 3320 Environment and Human Behavior (3)**

Cross-listed as ANT 3320

See ANT 3320 for course information.

**ENV 3333 Watershed Assessment (3)**

Pre-requisite(s): ENV 1301 or consent of instructor

An introduction to the scientific tools and methodology by which watersheds may be delineated and assessed with respect to point and non-point pollution. This course will deal primarily with surface waters.

**ENV 3337 Principles of Wildlife Management (3)**

Pre-requisite(s): ENV 1303 or 2307 or consent of instructor

Introduction to techniques used in wildlife management including population estimation, forage evaluation, and habitat mapping. Investigation of the natural history and management strategies for a variety of game, non-game, endangered, and exotic species.

**ENV 3370 Managing Environmental Health and Safety (3)**

Pre-requisite(s): CHE 1405, 1300 or 1301; and ENV 3314 or consent of instructor

Anticipation, recognition, evaluation, and control of chemical, radiological, biological, and physical hazards in the workplace and in environmental contexts.

**ENV 3387 Environmental Chemistry (3)**

Pre-requisite(s): ENV 1101, 1301, and CHE 3331

An introduction to the chemistry of soil, water, and air, and the sources, fate, and transport of environmental pollutants. Topics include applications of chemistry to remediation and waste minimization. Open to students with diverse backgrounds. Credit or concurrent enrollment in ENV 3387 is required to enroll in ENV 3187 Environmental Chemistry Laboratory.

**ENV 3V90 Individual Research Problems (1-3)**

Pre-requisite(s): Completion of a departmental application providing a description of the project and consent of instructor

A research project conducted under the supervision of a Baylor faculty member in Environmental Science, a supporting department, or a pre-approved off-campus laboratory or field station. Three hours of laboratory or field work per week will be required during fall or spring semester, or fifty hours total during the summer, for each semester hour of credit. This course may be repeated for up to six semester hours of credit.

**ENV 3V93 Environmental Sustainability Internship (1-3)**

Pre-requisite(s): Consent of a Baylor faculty sponsor; and completion of a departmental application

Campus or community internship to develop leadership in environmental sustainability. Open to non-majors. The course may be repeated for up to three semester hours of credit.

**ENV 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ENV 4102 Seminar on Environmental Topics (1)**

Seminars by faculty, students and visiting speakers. Each student will prepare and present one thirty to forty-five minute seminar. May be repeated once, with different content.

**ENV 4170 Fundamentals of Ecotoxicology Laboratory (1)**

Co-requisite(s): ENV 4370

Pre-requisite(s): ENV 1301, 2307, 3210, 3187, and 3188

Field and laboratory techniques critical to gathering information on environmental stressors and responses of organisms to them.

**ENV 4199 Senior Thesis I (1)**

Pre-requisite(s): Senior standing in environmental studies major  
Student selects an environmental problem for independent research project. After approval by thesis adviser, literature search is conducted and bibliography for the thesis is completed.

**ENV 4287 Field and Laboratory Tests (2)**

Pre-requisite(s): CHE 1316, 3331, 3332; and/or concurrent enrollment in ENV 4387

Field and bench tests of chemically contaminated water and soil, using portable test kits, with simple bench tests of selected remediation methods such as ion-exchange, precipitation, and membrane separations.

**ENV 4299 Senior Thesis II (2)**

Pre-requisite(s): Credit or concurrent enrollment in ENV 4199

Preparation of information and data analysis in appropriate thesis form.

**ENV 4302 Team Problem Solving in Environmental Studies (3)**

Students will contribute the skills of their specializations to analyze and to suggest a solution to a current environmental problem. May be repeated once with a change of content.

**ENV 4304 Aquatic Chemistry (3)**

Pre-requisite(s): ENV 3387 or consent of instructor

Concepts and issues in aquatic chemistry, including chemical equilibria of natural waters and anthropogenic impacts. Required field trips.

**ENV 4306 Economic Anthropology (3)**

Cross-listed as ANT 4306

See ANT 4306 for course information.

**ENV 4307 Environmental Law (3)**

Cross-listed as PSC 4307

Pre-requisite(s): Upper-level standing or consent of instructor  
Fundamentals of environmental protection laws in the United States, including the evolution of environmental law in the areas of case law, common law, and administrative law. Topics include air and water quality, toxic and hazardous substances, endangered species, and wetlands and coastal management issues.

**ENV 4308 Air Quality Regulation (3)**

Reviews history and policy of United States, transboundary, and global air pollution and resulting environmental regulations.

**ENV 4310 World Food Problems (3)**

Cross-listed as ANT 4311

Pre-requisite(s): Upper-level standing

A seminar approach with emphasis on the various causes of malnutrition including the ecological basis for food production, the impact of economics and politics on food production and distribution, and the consequences of malnutrition.

**ENV 4313 Agricultural Ecology (3)**

Pre-requisite(s): ENV 1301, or BIO 1306, or 1401

Application of ecological principles to sustainable agricultural management. Emphasis on Texas and the tropics. Required weekend field trips.

**ENV 4315 Research Methods (3)**

Pre-requisite(s): ENV 1301 and 2376

Research design and methods. Students produce a comprehensive research proposal in their major field(s) of study.

**ENV 4318 Heavy Metals & Global Public Health (3)**

Pre-requisite(s): BIO 1305 or BIO 1405, BIO 1306 or BIO 1406, CHE 1301, and CHE 1302, and upper level standing

Examines the impacts of natural and anthropogenic sources of metals on human health and the relationship between natural geological factors and health in humans and animals in the context of geographic significance and public health responses.

**ENV 4322 Climate Anthropology (3)**

Cross-listed as ANT 4321

See ANT 4321 for course information.

**ENV 4323 The Environment and Economic Analysis (3)**

Cross-listed as AVS 4323, ECO 4323

Pre-requisite(s): ECO 1305 or 2306; and upper-level standing

Economic analysis in description, analysis, and policy formulation of environmental problems such as natural resource development, ecology, energy needs, noise, water, and air pollution. Economic tools used will include social welfare analysis, externalities, and benefit cost analysis.

**ENV 4325 Human Health Risk Assessment (3)**

Pre-requisite(s): ENV 3314 or concurrent enrollment in ENV 3314; or consent of instructor

Concepts, data sources, and methodologies used in the field of human risk assessment, including environmental hazard identification, dose-response assessment, exposure assessment, risk characterization, and risk communication. Required project utilizing professional risk assessment software.

**ENV 4327 Human Catastrophe and Cultural Response (3)**

Cross-listed as ANT 4327

See ANT 4327 for course information.

**ENV 4330 Urban Political Processes (3)**

Cross-listed as PSC 4330

See PSC 4330 for course information.

**ENV 4331 Social Demography (3)**

Cross-listed as SOC 4331

See SOC 4331 for course information.

**ENV 4332 Science Leadership: Community Environmental Research (3)**

Cross-listed as GEO 4332

Pre-requisite(s): Upper-level standing; and consent of instructor

Development of science leadership skills through community-based research on environmental problems.

**ENV 4333 Coastal Zone Management (3)**

Pre-requisite(s): Upper-level standing

Strategies for managing beaches, deltas, barrier islands and coastal seas, including issues in flood and storm risk, pollution mitigation, recreational development and fisheries exploitation.

**ENV 4335 Applied Environmental Impact Analysis (3)**

Government regulations and increased citizen awareness relationship to the impact of plans and projects on the environment. The course includes an examination of major environmental legislation and its impact on decision making in the public sector. Legislative Acts pertinent to the development of Environmental Impact Analysis are studied.

**ENV 4337 Environmental Sustainability and Religion (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Cases studies in interactions between world and indigenous religions and environmental science, management, and planning. Topics include religious engagement with agriculture, extractive industries, watershed management, biodiversity conservation, pollution regulation, climate policy, and environmental NGOs.

**ENV 4340 Environmental Archaeology (3)**

Cross-listed as ANT 4340, ARC 4340

See ANT 4340 for course information.

**ENV 4344 Fundamentals of Toxicology (3)**

Cross-listed as BIO 4344

Pre-requisite(s): CHE 1301, 1302, 3331, BIO 1305, 1306, 3322, and 3122; or consent of instructor

Basic concepts of toxicology, including historical perspectives, the disposition and metabolism of toxic substances, pharmacokinetics, target organ toxicity, non-organ directed toxicity, toxic agents, industrial toxicology, forensic toxicology, environmental toxicology, toxicity testing techniques, and risk assessment.

**ENV 4345 Water Management (3)**

Cross-listed as GEO 4345

Interdisciplinary field of water management. Scientific, technical, institutional, economic, legal, and political aspects of water management.

**ENV 4349 Pollution Abatement and Prevention Systems (3)**

Pre-requisite(s): ENV 3333, 3387, CHE 1302, or EGR 1301; or consent of instructor

Analysis, design, and performance of pollution treatment and remediation methods. Emphasis on the practices of pollution prevention, green chemistry, and industrial ecology as more sustainable pollution reduction strategies.

**ENV 4350 Development and Indigenous Peoples (3)**

Cross-listed as ANT 4350

Pre-requisite(s): ANT 1305, SOC 1305 or consent of instructor

With particular reference to indigenous peoples, this course examines the ethnographic context of Third World development and evaluates key issues that influence the development process.

**ENV 4351 Futuristics (3)**

Cross-listed as ANT 4351

See ANT 4351 for course information.

**ENV 4354 Water Treatment (3)**

Pre-requisite(s): ENV 1101 and 1301 or consent of instructor  
 Water use, treatment and disposal. Topics to be examined include the history of human use, resource access, water and wastewater treatment, disposal and re-use, anthropogenic impacts, regulations, current practices and theory in application of municipal, commercial and domestic treatment strategies. Activities include lecture, discussion, field trips, and student participation in the department's On-Site Wastewater Testing Program.

**ENV 4355 Principles of Renewable Resource Management (3)**

Theory, principles, and management of renewable resources to meet human needs. Field trips to management activities will be included.

**ENV 4362 Applied Anthropology (3)**

Cross-listed as ANT 4362

See ANT 4362 for course information.

**ENV 4365 The Environment and Energy (3)**

Pre-requisite(s): ENV 1301 and upper-level standing  
 Fundamental concepts of energy: the nature of energy flows and storage, potential and kinetic energy, energy loss and reversible and irreversible processes. Renewable and non-renewable energy sources and the impact of energy consumption on problems of societal sustainability.

**ENV 4369 Seminar in Anthropology (3)**

Cross-listed as ANT 4369

See ANT 4369 for course information.

**ENV 4370 Fundamentals of Ecotoxicology (3)**

Co-requisite(s): ENV 4170

Pre-requisite(s): ENV 1301, ENV 2307, ENV 3210, BIO 1305, BIO 1306, and CHE 1302; or consent of instructor

A survey of subjects critical to the study of contaminant impacts on the environment: principles of toxicology; use of toxicological information sources and data bases; ecological stressors and responses to better understand ecological risks.

**ENV 4371 Wetlands (3)**

Cross-listed as GEO 4371

See GEO 4371 for course information.

**ENV 4373 Global Soil Systems (3)**

Pre-requisite(s): BIO 1402 or 4401, CHE 3332, ENV 2375, or consent of instructor

Principles of the biodegradation and possible bioremediation of organic chemicals in the soil environment.

**ENV 4374 Global Soil Systems (3)**

Cross-listed as GEO 4373

See GEO 4373 for course information.

**ENV 4375 Natural Landscape Evaluation and Planning (3)**

Cross-listed as GEO 4375

See GEO 4375 for course information.

**ENV 4377 Advanced Studies in Wilderness, Parks, and Nature Reserves (3)**

Pre-requisite(s): ENV 3306 or consent of instructor

Topics in the management of national or state parks, nature reserves or wilderness areas, such as recreational impacts, disturbance ecology, or environmental interpretation. May be conducted as an off-campus field seminar.

**ENV 4379 Ecosystem Planning and Management (3)**

Course utilizes ecosystem-based concepts and data to develop environmental management plans which also consider social variables, such as regulations, economic development, and community welfare. Students draft and present plans based on regional ecosystems.

**ENV 4380 Restoration Ecology (3)**

Cross-listed as BIO 4381

Pre-requisite(s): ENV 2307 and 3306, or BIO 3303 or consent of instructor

Principles and practices for restoring natural systems that have been degraded or destroyed. Emphasis on re-establishment of soils, plants, and animals in terrestrial and aquatic environments. Legislative, political, industrial, and regulatory perspectives considered.

**ENV 4386 Remote Sensing (3)**

Cross-listed as AVS 4386, BIO 4386, GEO 4386, GEOG 4386

See GEO 4386 for course information.

**ENV 4389 American Environmental History (3)**

Cross-listed as HIS 4388

See HIS 4388 for course information.

**ENV 4390 Chemical Investigation and Remediation (3)**

Pre-requisite(s): ENV 4387, CHE 1316, and 3332

Methods of site analysis, toxicology of chemical contamination, use of "chemical fingerprinting," determination of exposure methods and exposure routes, analysis of epidemiological data, general methods for remediation of toxic and hazardous wastes, and use of both technical and moral considerations in decision making.

**ENV 4393 Environmental Ethics (3)**

See REL 4393 for course information.

**ENV 4394 Internship in Environmental Education (3)**

Pre-requisite(s): Consent of the Econnections coordinator

Participation as a teaching intern in the Baylor Econnections program for Waco schools or in an approved off-campus program. Students must engage in preparation and teaching a minimum of six hours a week.

**ENV 4397 Tropical Environments: Ecology and Sustainable Management (3)**

Pre-requisite(s): Consent of instructor and upper-level standing

Off-campus field course exploring tropical ecosystems, such as rainforests and coral reefs. Investigation of past impacts of human cultures, and of sustainable practices for future environmental management. Topics may include agriculture, forestry, aquatic resources, energy production, and ecotourism.

**ENV 43C2 Environmental Capstone (3)**

Pre-requisite(s): Twenty hours of environmental science courses and upper-level standing

Advanced seminar integrating principles of environmental science, social science, and policy to solve environmental problems. Assignments and subject matter may differ depending on the topic being evaluated and the instructor of record.

**ENV 4410 Humans and Environmental Change (4)**

Pre-requisite(s): Upper-level standing

Effect of human activity on landscape evolution through time, including impacts of agriculture, forest clearing, mining, soil erosion, invasive species, pollution, and transportation infrastructure. Assessment and documentation of environmental change. Required laboratory section and weekend field trips.

**ENV 4450 Applied Forest Ecology (4)**

Pre-requisite(s): ENV 1301 or BIO 1306

Ecological analysis of forest and woodland structure, energy and nutrient cycling, population dynamics and response to disturbance. Application of concepts to sustainable forest management.

**ENV 4485 Introduction to Geographic Information Systems (4)**

Cross-listed as AVS 4485, GEO 4485

See GEO 4485 for course information.

**ENV 4487 Advanced GIS Analysis (4)**

Cross-listed as AVS 4487, ENV 4388, GEO 4487

Principles and techniques for geospatial data collection, manipulation, modeling, visualization, and analysis. Emphasis is placed on current raster modeling techniques, spatial statistical analysis methods, and using GIS as a predictive tool for environmental research.

**ENV 4613 Field School in Environmental Studies (6)**

Pre-requisite(s): Consent of instructor

Application of the scientific method to the investigation and resolution of an environmental issue.

**ENV 4680 Field School in Cultural Anthropology (6)**

Cross-listed as ANT 4680

See ANT 4680 for course information.

**ENV 4V13 Special Topics in Field and Laboratory Methodologies (1-3)**

Pre-requisite(s): Upper-level standing or consent of instructor

A field experience centered on a region, ecosystem type, or environmental issue. Incorporates system-specific sampling methodologies. Requires off-campus field trips. May be repeated up to a total of three credit hours when content differs.

**ENV 4V50 Problems (1-3)**

Advanced interdisciplinary study of the environment. Subject and hours credit mutually agreed upon by student and directing professor(s) prior to registration. May be repeated for a maximum total credit of three semester hours.

**ENV 4V90 Advanced Individual Research Problems (1-3)**

Pre-requisite(s): Consent of the instructor; and ENV 3V90 or completion of a departmental application providing a description of the project. A research project conducted under the supervision of a Baylor faculty member in Environmental Science, a supporting department, or a pre-approved off-campus laboratory or field station. Students must participate in project design, data analysis, or reporting. Three hours of laboratory or field work per week will be required during fall or spring semester, or fifty hours total during the summer, for each semester hour of credit. This course may be repeated for up to six semester hours of credit.

**ENV 4V93 Internship in Environmental Planning or Management (1-3)**

Pre-requisite(s): Consent of a Baylor faculty sponsor; and completion of a departmental application

An internship with the City of Waco, a federal or state agency, Christian or non-profit organization or with industry to acquire practical experience in environmental planning or management. The course may be repeated for up to three semester hours of credit.

**ENV 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Environmental Studies, B.A.

### Requirements for a Major in Environmental Studies

| Code  | Title  | Hours |
|---|--|-------|
| Thirty-seven semester hours (or twenty-eight semester hours if double major concentration is selected) including the following: |  |       |
| <b>Required Courses</b>   |  |       |
| ENV 1301<br>& ENV 1101  | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab) | 4     |
| ENV 2307  | Ecology for a Changing World   | 3     |
| ENV 3310  | Field Techniques for Environmental Science   | 3     |
| <b>Environment and Society</b>  |  |       |
| Three semester hours from the following:  |  | 3     |
| ENV 2376  | Environment and Society  |       |
| ENV 3320  | Environment and Human Behavior   |       |
| ENV 4310  | World Food Problems  |       |
| ENV 4323  | The Environment and Economic Analysis  |       |
| ENV 4337  | Environmental Sustainability and Religion  |       |
| ENV 4389  | American Environmental History   |       |
| ENV 4393  | Environmental Ethics   |       |
| ENV 4410  | Humans and Environmental Change  |       |
| <b>Law and Policy</b>   |  |       |
| ENV 3300<br>or ENV 4307   | The Environment and Political Processes<br>Environmental Law                       | 3     |
| <b>Environmental Management</b>   |  |       |
| Three semester hours from the following:  |  | 3     |
| ENV 3333  | Watershed Assessment   |       |
| ENV 3337  | Principles of Wildlife Management  |       |
| ENV 3370  | Managing Environmental Health and Safety   |       |
| ENV 4333  | Coastal Zone Management  |       |
| ENV 4345  | Water Management   |       |
| ENV 4355  | Principles of Renewable Resource Management  |       |
| ENV 4365  | The Environment and Energy   |       |
| ENV 4379  | Ecosystem Planning and Management  |       |
| ENV 4380  | Restoration Ecology  |       |
| ENV 4485  | Introduction to Geographic Information Systems                                     |       |
| ENV 4487  | Advanced GIS Analysis  |       |
| <b>Concentration</b>  |  |       |
| Complete additional requirements for one concentration:   |  | 9-18  |
| Environment and Society Concentration (p. 132)  |  |       |
| Natural Resources Management Concentration (p. 132)   |  |       |
| Double Major Concentration (p. 133)   |  |       |
| <b>Additional Requirements</b>  |  |       |
| No more than four hours of variable hour courses may be applied to the major  |  |       |



A minimum GPA of 2.0 in the first fifteen hours of ENV courses that are counted to complete requirements in the major is required. Students who do not have the required GPA in ENV courses after completion of the first fifteen hours will be placed on probation for one semester in the major.

A grade of "C-" or better in each ENV course used in the major and a minimum overall GPA of 2.0 or higher on ENV courses taken within the major.

**Total Hours** **28-37**

## Environmental Studies (Environment and Society Concentration), B.A.

### Requirements for a Concentration in Environment and Society

| Code   | Title   | Hours     |
|--|---|-----------|
| <b>Concentration Requirements</b>                              |   |           |
| Eighteen semester hours from the following:                    |   |           |
| Six semester hours from Environment and Society:               |   | 6         |
| ENV 2376   | Environment and Society   |           |
| ENV 3320   | Environment and Human Behavior  |           |
| ENV 4310   | World Food Problems   |           |
| ENV 4323   | The Environment and Economic Analysis   |           |
| ENV 4337   | Environmental Sustainability and Religion   |           |
| ENV 4389   | American Environmental History  |           |
| ENV 4393   | Environmental Ethics  |           |
| ENV 4410   | Humans and Environmental Change   |           |
| Three semester hours from Environmental Science:               |   | 3         |
| ENV 3306   | Conserving Biodiversity   |           |
| ENV 3308   | Marine Environments and Biodiversity  |           |
| ENV 3314   | Introduction to Environmental Health  |           |
| ENV 3316   | Introduction to Air Quality   |           |
| ENV 3333   | Watershed Assessment  |           |
| ENV 4313   | Agricultural Ecology  |           |
| ENV 4318   | Heavy Metals & Global Public Health   |           |
| ENV 4365   | The Environment and Energy  |           |
| ENV 4370   | Fundamentals of Ecotoxicology   |           |
| ENV 4450   | Applied Forest Ecology  |           |
| Nine additional semester hours of 3000-4000 level ENV courses  |   | 9         |
| <b>Subtotal</b>  |   | <b>18</b> |
| <b>Required Courses in Other Fields</b>                        |   |           |
| Chemistry  |   | 3-4       |
| CHE 1300   | Introductory Chemistry  |           |
| or CHE 1301  | Basic Principles of Modern Chemistry I  |           |
| or CHE 1405  | Chemistry and Society   |           |
| Life Science – select at least three hours from the following: |   | 4         |
| BIO 1305 & BIO 1105  | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |           |
| BIO 1306 & BIO 1106  | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |           |
| BIO 1401   | Current Issues in Human Biology   |           |

Physical Science – select at least three hours from the following: 3

CHE 1302 Basic Principles of Modern Chemistry II

or CHE 1341 Introductory Organic Biochemistry

GEO 1401 Earthquakes and Other Natural Disasters

or GEO 1402 World Oceans

or GEO 1403 Environmental Geology

ENV 4485 Introduction to Geographic Information Systems

or ENV 4487 Advanced GIS Analysis

Data Evaluation – select at least three hours from the following: 3

STA 1380 Elementary Statistics

STA 2381 Introductory Statistical Methods

ECO 1305 Issues in Economics for Non-Business Majors

ECO 2306 Principles of Microeconomics

**Total Hours** **31-32**

## Environmental Studies (Natural Resources Management Concentration), B.A.

### Requirements for a Concentration in Natural Resources Management

| Code   | Title  | Hours     |
|--|--|-----------|
| <b>Concentration Requirements</b>                            |  |           |
| Eighteen semester hours including the following:             |  |           |
| ENV 3306   | Conserving Biodiversity                        | 3         |
| Six semester hours from Environmental Management:            |  | 6         |
| ENV 3337   | Principles of Wildlife Management              |           |
| ENV 3370   | Managing Environmental Health and Safety       |           |
| ENV 4333   | Coastal Zone Management                        |           |
| ENV 4345   | Water Management                               |           |
| ENV 4355   | Principles of Renewable Resource Management    |           |
| ENV 4365   | The Environment and Energy                     |           |
| ENV 4379   | Ecosystem Planning and Management              |           |
| or ENV 4380  | Restoration Ecology                            |           |
| ENV 4485   | Introduction to Geographic Information Systems |           |
| ENV 4487   | Advanced GIS Analysis                          |           |
| Three semester hours from Environmental Quality and Health:  |  | 3         |
| ENV 3314   | Introduction to Environmental Health           |           |
| ENV 3316   | Introduction to Air Quality                    |           |
| ENV 3333   | Watershed Assessment                           |           |
| ENV 3387   | Environmental Chemistry                        |           |
| ENV 4318   | Heavy Metals & Global Public Health            |           |
| ENV 4370   | Fundamentals of Ecotoxicology                  |           |
| Six additional semester hours of 3000-4000 level ENV courses |  | 6         |
| <b>Subtotal</b>  |  | <b>18</b> |
| <b>Required Courses in Other Fields</b>                      |  |           |
| Chemistry - select four hours from the following:            |  | 4         |



|  |   |           |
|--|---|-----------|
| CHE 1300<br>& CHE 1100                                   | Introductory Chemistry<br>and Introductory Chemistry Laboratory                             |           |
| CHE 1301<br>& CHE 1101                                   | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I                |           |
| CHE 1405   | Chemistry and Society   |           |
| Life Science – select four hours from the following:     |   | 4         |
| BIO 1305<br>& BIO 1105                                   | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory            |           |
| BIO 1306<br>& BIO 1106                                   | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory |           |
| BIO 1401   | Current Issues in Human Biology   |           |
| Physical Science   |   | 4         |
| ENV 4485   | Introduction to Geographic Information<br>Systems   |           |
| Data Evaluation – select three hours from the following: |   | 3         |
| STA 1380   | Elementary Statistics   |           |
| STA 2381   | Introductory Statistical Methods  |           |
| ECO 1305   | Issues in Economics for Non-Business<br>Majors  |           |
| ECO 2306   | Principles of Microeconomics  |           |
| <b>Total Hours</b>                                       |   | <b>33</b> |

## Environmental Studies (Double Major Concentration), B.A.

### Requirements for a Double Major Concentration

| Code   | Title                                | Hours    |
|--|--------------------------------------|----------|
| <b>Concentration Requirements</b>  |                                      |          |
| Nine semester hours including the following:                             |                                      |          |
| <i>Environmental Science</i>   |                                      |          |
| Three semester hours from the following:                                 |                                      | 3        |
| ENV 3306   | Conserving Biodiversity              |          |
| ENV 3308   | Marine Environments and Biodiversity |          |
| ENV 4313   | Agricultural Ecology                 |          |
| ENV 4318   | Heavy Metals & Global Public Health  |          |
| ENV 4450   | Applied Forest Ecology               |          |
| <i>Environmental Quality and Health</i>                                  |                                      |          |
| Three semester hours from the following:                                 |                                      | 3        |
| ENV 3314   | Introduction to Environmental Health |          |
| ENV 3316   | Introduction to Air Quality          |          |
| ENV 3333   | Watershed Assessment                 |          |
| ENV 3387   | Environmental Chemistry              |          |
| ENV 4370   | Fundamentals of Ecotoxicology        |          |
| Three semester hours of 3000-4000 level ENV courses                      |                                      | 3        |
| <b>Subtotal</b>  |                                      | <b>9</b> |
| <b>Additional Requirement</b>  |                                      |          |
| All the major requirements in another department offering a B.A. degree. |                                      |          |
| <b>Required Courses in Other Fields</b>                                  |                                      |          |
| CHE 1300   | Introductory Chemistry               | 3-4      |

|                            |   |              |
|----------------------------|---|--------------|
| or CHE 1301<br>or CHE 1405 | Basic Principles of Modern Chemistry I<br>Chemistry and Society |              |
| <b>Total Hours</b>         |   | <b>12-13</b> |

## Joint Bachelor of Arts/Master of Arts in Teaching (with Teacher Certification)

To earn the joint BA/MAT in Environmental Studies, a student must complete all basic requirements for the BA degree and a major in Environmental Studies, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission).

## Environmental Health Science, B.S.

### Requirements for a Major in Environmental Health Science

| Code   | Title  | Hours |
|--|--|-------|
| Thirty-seven semester hours including the following:                         |  |       |
| <b>Required Courses</b>  |  |       |
| ENV 3100   | Environmental Health Seminar   | 1     |
| ENV 3314   | Introduction to Environmental Health   | 3     |
| ENV 3316   | Introduction to Air Quality  | 3     |
| ENV 3387<br>& ENV 3187   | Environmental Chemistry<br>and Environmental Chemistry Laboratory                | 4     |
| ENV 3370   | Managing Environmental Health and Safety   | 3     |
| ENV 4325   | Human Health Risk Assessment   | 3     |
| ENV 4344   | Fundamentals of Toxicology   | 3     |
| ENV 4345   | Water Management   | 3     |
| ENV 4307   | Environmental Law  | 3     |
| or ENV 3300  | The Environment and Political Processes  |       |
| ENV 4V93   | Internship in Environmental Planning or<br>Management                            | 3     |
| Select eight semester hours of additional ENV courses from the<br>following: |  | 8     |
| ENV 2307   | Ecology for a Changing World   |       |
| ENV 3310   | Field Techniques for Environmental<br>Science                                    |       |
| ENV 4307   | Environmental Law  |       |
| ENV 4310   | World Food Problems  |       |
| ENV 4318   | Heavy Metals & Global Public Health  |       |
| ENV 4327   | Human Catastrophe and Cultural Response  |       |
| ENV 4355   | Principles of Renewable Resource<br>Management                                   |       |
| ENV 4370<br>& ENV 4170   | Fundamentals of Ecotoxicology<br>and Fundamentals of Ecotoxicology<br>Laboratory |       |
| ENV 4373   | Global Soil Systems  |       |
| ENV 4380   | Restoration Ecology  |       |
| ENV 4397   | Tropical Environments: Ecology and<br>Sustainable Management                     |       |

|  |   |           |
|--|---|-----------|
| ENV 4485   | Introduction to Geographic Information Systems  |           |
| ENV 4V9R   | Research (3 hours)  |           |
| <b>Subtotal</b>  |   | <b>37</b> |
| <i>Additional Requirements</i>   |   |           |
| No more than four hours of variable hour courses may be applied to the major   |   |           |
| A minimum GPA of 2.0 in the first fifteen hours of ENV courses that are counted to complete requirements in the major is required. Students who do not have the required minimum GPA in ENV courses after completion of the first fifteen hours will be placed on probation for one semester in the major. |   |           |
| A grade of "C-" or better in each ENV course used in the major and a minimum overall GPA of 2.0 or higher on ENV courses taken within the major.   |   |           |
| <b>Required Courses in Other Fields</b>  |   |           |
| CHE 1301 & CHE 1101  | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             | 4         |
| CHE 1302 & CHE 1102  | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           | 4         |
| CHE 3331   | Organic Chemistry I   | 3         |
| MTH 1321   | Calculus I  | 3         |
| STA 2381   | Introductory Statistical Methods  | 3         |
| BIO 1305 & BIO 1105  | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            | 4         |
| BIO 1306 & BIO 1106  | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory | 4         |
| BIO 2306 & BIO 2106  | Genetics and Genetics Laboratory  | 4         |
| BIO 3322 & BIO 3122  | Human Physiology and Human Physiology Lab   | 4         |
| PHY 1408 or PHY 1420   | General Physics for Natural and Behavioral Sciences I<br>General Physics I            | 4         |
| ENV 2376 or REL 4393 or REL 4395   | Environment and Society<br>Environmental Ethics<br>Bioethics                          | 3         |
| PUBH 2331  | Health Concepts and Competencies  | 3         |
| PUBH 3351  | Epidemiology/Vital Statistics   | 3         |
| NUTR 1401  | Introduction to Food Science  | 4         |
| Select one of the following sequences:   |   | 4         |
| BIO 1302 & BIO 1102  | Introductory Microbiology and Introductory Microbiology Laboratory                    |           |
| BIO 4302 & BIO 4102  | General Microbiology and General Microbiology Lab                                     |           |
| <b>Total Hours</b>   |   | <b>91</b> |

## Environmental Science, B.S.

### Requirements for a Major in Environmental Science

| Code  | Title   | Hours |
|---|---|-------|
| Thirty-eight semester hours including the following:                        |   |       |
| <b>Required Courses</b>   |   |       |
| ENV 1301  | Exploring Environmental Issues  | 3     |
| ENV 2307  | Ecology for a Changing World  | 3     |
| ENV 3310  | Field Techniques for Environmental Science  | 3     |
| ENV 3387  | Environmental Chemistry   | 3     |
| ENV 3187 or ENV 3188  | Environmental Chemistry Laboratory<br>Laboratory Methods in Environmental Assessment and Monitoring   | 1     |
| ENV 4102  | Seminar on Environmental Topics   | 1     |
| ENV 4370 or ENV 3314  | Fundamentals of Ecotoxicology<br>Introduction to Environmental Health                                 | 3     |
| ENV 43C2  | Environmental Capstone  | 3     |
| <i>Law and Policy</i>   |   | 3     |
| ENV 3300 or ENV 4307 or ENV 4323  | The Environment and Political Processes<br>Environmental Law<br>The Environment and Economic Analysis |       |
| <i>Environmental Management</i>   |   |       |
| Select at least six semester hours from Environmental Management:           |   | 6     |
| ENV 3333  | Watershed Assessment  |       |
| ENV 3337  | Principles of Wildlife Management   |       |
| ENV 3370  | Managing Environmental Health and Safety  |       |
| ENV 4333  | Coastal Zone Management   |       |
| ENV 4345  | Water Management  |       |
| ENV 4355  | Principles of Renewable Resource Management   |       |
| ENV 4365  | The Environment and Energy  |       |
| ENV 4379 or ENV 4380  | Ecosystem Planning and Management<br>Restoration Ecology  |       |
| ENV 4485  | Introduction to Geographic Information Systems  |       |
| ENV 4487  | Advanced GIS Analysis   |       |
| <i>Environmental Quality and Health</i>                                     |   |       |
| Select at least three semester hours from Environmental Quality and Health: |   | 3     |
| ENV 3314  | Introduction to Environmental Health  |       |
| ENV 3316  | Introduction to Air Quality   |       |
| ENV 3333  | Watershed Assessment  |       |
| ENV 4325  | Human Health Risk Assessment  |       |
| ENV 4344  | Fundamentals of Toxicology  |       |
| ENV 4370 & ENV 4170   | Fundamentals of Ecotoxicology and Fundamentals of Ecotoxicology Laboratory                            |       |
| <i>Environmental Science</i>  |   |       |
| Select an additional six semester hours of 3000-4000 level ENV courses      |   | 6     |

|  |  |           |
|--|--|-----------|
| <b>Subtotal</b>  |  | <b>38</b> |
| <b>Required Courses in Other Fields</b>  |  |           |
| BIO 1305<br>& BIO 1105   | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory                                       | 4         |
| BIO 1306<br>& BIO 1106   | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory                            | 4         |
| CHE 1301<br>& CHE 1101   | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I   | 4         |
| CHE 1302<br>& CHE 1102   | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II   | 4         |
| CHE 3331   | Organic Chemistry I  | 3         |
| MTH 1321   | Calculus I   | 3         |
| MTH 1322<br>or STA 2381  | Calculus II<br>Introductory Statistical Methods  | 3         |
| GEO 1401<br>or GEO 1402<br>or GEO 1403<br>or GEO 1405<br>or GEO 1408   | Earthquakes and Other Natural Disasters<br>World Oceans<br>Environmental Geology<br>The Dynamic Earth<br>Earth Science | 4         |
| PHY 1408<br>or PHY 1420  | General Physics for Natural and Behavioral<br>Sciences I<br>General Physics I  | 4         |
| <b>Additional Requirements</b>   |  |           |
| No more than four hours of variable hour courses may be applied to the major   |  |           |
| A minimum GPA of 2.0 in the first fifteen hours of ENV courses that are counted to complete requirements in the major is required. Students who do not have the required GPA in ENV courses after completion of the first fifteen hours will be placed on probation for one semester in the major. |  |           |
| A grade of "C-" or better in each ENV course used in the major and a minimum overall GPA of 2.0 or higher on ENV courses taken within the major.   |  |           |
| <b>Total Hours</b>   |  | <b>71</b> |

## Joint Bachelor of Science/Master of Arts in Teaching (with Teacher Certification)

To earn the joint BS/MAT in Environmental Science, a student must complete all basic requirements for the BA degree and a major in Environmental Science, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission).

## Environmental Studies Minor

### Requirements for a Minor in Environmental Studies

| Code  | Title  | Hours     |
|---|--|-----------|
| Nineteen semester hours, nine of which must be at the 3000-4000 level, including the following: |  |           |
| <b>Required Courses</b>   |  |           |
| ENV 1301<br>& ENV 1101  | Exploring Environmental Issues<br>and An Introduction to Environmental<br>Analysis (Lab) | 4         |
| Three semester hours from the following:  |  | 3         |
| ENV 2376  | Environment and Society  |           |
| ENV 3300  | The Environment and Political Processes  |           |
| ENV 3320  | Environment and Human Behavior   |           |
| ENV 4307  | Environmental Law  |           |
| ENV 4310  | World Food Problems  |           |
| ENV 4350  | Development and Indigenous Peoples   |           |
| ENV 4393  | Environmental Ethics   |           |
| Three semester hours from the following:  |  | 3         |
| ENV 2307  | Ecology for a Changing World   |           |
| ENV 3306  | Conserving Biodiversity  |           |
| ENV 3314  | Introduction to Environmental Health   |           |
| ENV 3387  | Environmental Chemistry  |           |
| ENV 4370  | Fundamentals of Ecotoxicology  |           |
| Nine semester hours of ENV courses  |  | 9         |
| <b>Total Hours</b>  |  | <b>19</b> |

## Film and Digital Media

The Department of Film and Digital Media offers studies in film, video, audio, and new media production, as well as screenwriting, media studies, film theory, media effects, and media management.

The film and digital media major is designed to prepare students for a variety of careers in television, cable, film, digital media, and allied fields. Several courses are designed for non-majors who desire an understanding of the role of the broadcast and film media in American society.

The communication specialist major combines courses in communication and film and digital media. This program of study blends a leadership/management/organizational communication focus with the development of expertise in digital media production. Like the communication major, it is appropriate for students with a wide array of career aspirations but is most appropriate for those intending to take advantage of communication expertise in a corporate career track. The requirements for the communication specialist major are listed in the Department of Communication.

Various activities offer laboratory settings in which a student's work is aided, directed, and evaluated by faculty specialists in a particular area of the discipline. These activities include:

- the production of short and feature films by faculty, with students serving in various crew roles to learn how a film set functions, and

- b. internship programs in film and digital media, including the annual NAB and the semester in New York City programs, which provide students with real-world experience in their chosen field.

### **Pre-Film and Digital Media**

Students interested in Film and Digital Media as a major will choose the Pre-Film and Digital Media designation upon enrollment at Baylor. Application for entry to the Film and Digital Media major must be made to the Department after a student has completed, with grades of "B" or better, FDM 1198 Practicum in Grip and Lighting Equipment, FDM 1199 Practicum in Video and Audio Equipment, FDM 1304 Visual Literacy: Sight, Sound, Motion, and FDM 2360 Production Methods. The Department will grant admission to all students who fulfill this requirement as it is explained here.

Students may repeat each of these introductory courses only once if they fail to make a "B" or better the first time they take the course. Students may only remain in the Pre-Film and Digital Media major designation until the completion of 60 hours. Students who have not met the admission requirement at 60 hours will not advance to the Film and Digital Media major and must change degree programs. (Transfer students who enter with at least 15 hours will be given up to the completion of 90 hours to complete the four courses with a grade of "B" or better and progress into the Film and Digital Media major.)

- Film and Digital Media, B.A. (p. 138)
- Film and Digital Media - Secondary Major (p. 139)
- Film and Digital Media Minor (p. 139)
- Media Management Minor (p. 139)
- Film Theory and Criticism Minor (p. 139)

## **Film and Digital Media (FDM)**

### **FDM 1101 New Student Seminar in Film & Digital Media (1)**

A New Student Experience course for first-year and transfer students entering as Pre-Film & Digital Media majors. Designed to help students acclimate to college life with a specific focus on the Film & Digital Media major, opportunities for FDM majors, and future career options.

### **FDM 1197 Practicum in Production (1)**

Supervised practical experience in video and/or audio production. May be repeated for three credit hours.

### **FDM 1198 Practicum in Grip and Lighting Equipment (1)**

Co-requisite(s): FDM 1199

Pre-requisite(s): Consent of instructor

Supervised practical experience and development of proficiency with common grip and lighting equipment and practices.

### **FDM 1199 Practicum in Video and Audio Equipment (1)**

Co-requisite(s): FDM 1198

Pre-requisite(s): Consent of instructor

Supervised practical experience and development of proficiency with common video and audio acquisition equipment and practices. Cannot be repeated for credit.

### **FDM 1303 Introduction to Mass Communication (3)**

Cross-listed as JOU 1303

The mass media, how they operate, and how they affect society.

### **FDM 1304 Visual Literacy: Sight, Sound, Motion (3)**

Examines how pictures, sounds, and motions communicate sense and meaning in contemporary media. Considers the major aesthetic image elements – light, color, space, time, motion, and sound – and how they are used in film, video, and computer media.

### **FDM 1309 Introduction to Film (3)**

Examines and explores representative masterpieces of cinema. Seeks to enhance understanding of the cinematic experience through non-technical discussions and analyses of films. Also considers the times and lives of the filmmakers.

### **FDM 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

### **FDM 2351 History of Motion Pictures (3)**

Pre-requisite(s): Not open to Pre-Film and Digital Media students

International and domestic cinema since 1880, focusing on film as an art form and changes due to social, political, economic, ideological, and cultural influences.

### **FDM 2352 History of Radio and Television (3)**

Pre-requisite(s): Not open to Pre-Film and Digital Media students

Radio and television since 1890, focusing on developments in technology, economics, management, programming, audiences, regulation, and the roles of radio and television in society.

### **FDM 2360 Production Methods (3)**

An introduction to single-camera, multiple-camera, and audio production using basic video and audio equipment.

### **FDM 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

### **FDM 3315 Broadcast Writing (3)**

Cross-listed as JOU 3315

See JOU 3315 for course information.

### **FDM 3320 Business of Media (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. Principles of business theory and practice associated with the production, promotion, and distribution of media, including the broadcasting, cable, recording, satellite, Internet, video game, and cinema industries.

### **FDM 3321 Media Programming (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. Process of media programming, including economic, legal, and audience factors. Analysis of programming practices from organizational and political viewpoints. Class programming project.

### **FDM 3345 Introduction to Russian Film: Culture and Identity (3)**

Cross-listed as RUS 3345

See RUS 3345 for course information.

### **FDM 3361 Production Methods II (3)**

Pre-requisite(s): FDM 1198, FDM 1199, and FDM 2360 or consent of instructor

Not open to Pre-Film and Digital Media students. Further development of the technical abilities and conceptual approaches to single-camera and multiple-camera digital media production introduced in FDM 2360, Production Methods.

### **FDM 3372 Writing for Media Markets (3)**

Cross-listed as JOU 3372

See JOU 3372 for course information.

**FDM 3373 Screenwriting (3)**

Pre-requisite(s): Upper-level standing

Not open to Pre-Film and Digital Media students. Development of skills in writing a feature film screenplay. Topics include theme, plot, characterization, dialogue, story structure, filmic time, filmic space, filmic motion, script format, and script revision. Students will generate their own feature film idea and complete a first draft screenplay.

**FDM 3374 Television Writing (3)**

Pre-requisite(s): Upper-level standing

Not open to Pre-Film and Digital Media students. Analysis of various television production formats such as half-hour sitcoms, one-hour dramas, and two-hour movies-of-the-week. Students will generate an original script idea for an existing television program and complete a first draft teleplay.

**FDM 3380 Sound Design (3)**

Cross-listed as THEA 3380

See THEA 3380 for course information.

**FDM 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**FDM 4313 Diffusion of Innovations (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. An introduction to old and emerging theories which explain the spread of innovative ideas and technologies among members of a society, emphasizing the role of communication processes and the special problems for diffusion in communication technology.

**FDM 4314 Digital Media Technologies (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. Analysis of the technical foundations of communication media, the interrelationships among the various media technologies, and the impact of these technologies on media management, content, distribution, and consumption.

**FDM 4330 Survey of French Cinema (3)**

Cross-listed as FRE 4330

See FRE 4330 for course information.

**FDM 4340 Media and Society (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. Roles of the media in society and their relationship with other societal institutions. Impacts of the media upon society, responsibilities of the media, and restraints imposed upon them.

**FDM 4341 Electronic Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. An examination of the issues at the intersection of modern media technology, philosophy, and contemporary culture.

**FDM 4342 Art and the Moving Image (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. An examination of the cinema as an art form in the context of other artistic media (such as painting, music, etc.).

**FDM 4343 Film and Media Theory (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. The artistic potential of motion picture and television production, including major film theories and visual aesthetics. Dramatic narrative (fiction), documentary (non-fiction), and non-narrative subjects will be analyzed.

**FDM 4344 Film Criticism (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

A survey of the history of film criticism and different approaches to the analysis and critical evaluation of film. The works of major critics are analyzed and their approaches use to write film criticism.

**FDM 4347 Communication and Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. An examination of the reciprocal functions of communication and urban culture as they continue to shape and define each other. Specific areas of inquiry vary each semester. May be repeated once with a different topic (maximum six semester hours).

**FDM 4361 Audio Production (3)**

Pre-requisite(s): FDM 3361 or consent of instructor

Not open to pre-Film and Digital Media students. Advanced audio techniques for media productions, technical and conceptual aspects of sound design. Emphasis on sound/image relationships in film and video, and the interface between traditional analog and digital audio technologies. Includes recording, editing, and mixing of audio sources in the creation of original sound tracks.

**FDM 4362 Short Film Production (3)**

Pre-requisite(s): FDM 3361

Not open to pre-Film and Digital Media majors. Advanced short narrative digital cinema production with emphasis on storytelling, theme, and mise-en-scene.

**FDM 4363 Advanced Digital Production (3)**

Pre-requisite(s): FDM 3361, FDM 4365, and consent of instructor

Not open to pre-Film and Digital Media majors. Develops proficiency in producing, directing, and editing of advanced digital content using single camera and multi-camera studio techniques. Covers pre-visualization, visual effects compositing, digital audio, and postproduction. Emphasis on bringing ideas from conception to realization in a professional setting.

**FDM 4364 Interactive Media (3)**

Pre-requisite(s): FDM 3361 or consent of instructor

Not open to Pre-Film and Digital Media students. Interactive media elements and authoring systems, emphasizing the integration of computer technology in the development of interactive media messages.

**FDM 4365 Lighting and Cinematography (3)**

Pre-requisite(s): FDM 3361 or consent of instructor

Not open to Pre-Film and Digital Media students. Advanced film and video production with emphasis on the techniques, equipment, and theories involved in lighting and cinematography. Emphasis on the role of the cinematographer or director of photography.

**FDM 4366 Post Production (3)**

Pre-requisite(s): FDM 3361 or consent of instructor

Not open to Pre-Film and Digital Media students. Advanced film and video production with emphasis on the techniques, equipment, and theories involved in editing film and video. Emphasis on the use of computer-based non-linear editing systems.



**FDM 4367 Film and Video Direction (3)**

Pre-requisite(s): FDM 3361 or consent of instructor

Not open to Pre-Film and Digital Media students. In-depth investigation into the history, theory, and basic concepts of film and video direction; script preparation; story-boarding; blocking actors and staging the camera; sound; and editing. Projects include directing and shooting short videos.

**FDM 4369 Producing (3)**

Pre-requisite(s): Upper level standing or permission of instructor

Not open to Pre-Film and Digital Media students. Current film and television industry practices, including analysis of literary material, industry structure and economics, pitching, deal-making, and distribution.

**FDM 4371 Advanced Sound Design (3)**

Cross-listed as THEA 4384

See THEA 4384 for course information.

**FDM 4373 Advanced Screenwriting (3)**

Pre-requisite(s): FDM 3373 or FDM 3374 or consent of instructor

Not open to Pre-Film and Digital Media students. Workshop course for advanced writers of narrative fiction screenplays emphasizing discussion of student work.

**FDM 4380 Topics in Media History (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. In-depth investigation of important historical eras in the development of various media, for example, cinema, television, radio, and gaming. May be repeated twice under different topic not to exceed nine credit hours.

**FDM 4381 Topics in Media Management and Technology (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. Examines media management issues and the impact of technological innovations on a wide range of media industries including broadcasting, Internet, telecommunication, cable, satellite, video game, and digital cinema. May be repeated twice under different topics, not to exceed nine credit hours.

**FDM 4382 Topics in Media Storytelling (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. Examines a selected topic in film, television, radio/audio, games, or other form of digital media storytelling. May be repeated twice under different topics, not to exceed nine credit hours.

**FDM 4384 Topics in National Media (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. An aesthetic, cultural, and/or historical examination of a selected national mass medium, for example, Japanese Cinema, British Television, or French New Wave Cinema. Focuses on directors, films/programs, movements, and cultural contests of national media. May be repeated twice under different topics not to exceed nine credit hours.

**FDM 4388 Topics in Media Production (3)**

Pre-requisite(s): FDM 3361 or consent of instructor

Not open to Pre-Film and Digital Media students. Advanced media production with emphasis on one particular aspect of production. Topics covered may include cinematography, experimental film or video collaborative projects, documentary, studio drama, narrative, and other topics. May be repeated twice under different topics not to exceed nine credit hours.

**FDM 4396 Topics in Media Genres (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. An analysis of major media genres (in film, television, gaming, and other media). Methodological issues in genre criticism will also be addressed. May be repeated twice under different topics not to exceed nine credit hours.

**FDM 4397 Topics in Contemporary Cinema (3)**

Pre-requisite(s): Upper-level standing

Not open to Pre-Film and Digital Media students. An academic examination of current cinema. Topics covered may include contemporary world cinema, contemporary American cinema, artists/directors, philosophy, history and other topics. May be repeated once with a different topic.

**FDM 4V03 Internship in Electronic and Film Media (1-6)**

Pre-requisite(s): Undergraduate: fifteen hours in major; graduate: consent of graduate director

Not open to Pre-Film and Digital Media students. Designed to fit the needs and interests of the individual student. Interns may select activities in a broadcast station or network, wire service, film production hours, corporate communications department, advertising agency, or in other appropriate organizations. Internships must be approved by the division director (undergraduate) or graduate director (graduate) and are carried out under the supervision of the division director. May be repeated for a total of six semester hours provided the professional setting is different. Graduate students will be limited to three hours credit.

**FDM 4V30 Seminar in Electronic and Film Media (1-3)**

Pre-requisite(s): Not open to Pre-Film and Digital Media students

Study of a current topic in electronic media and/or film, including directed research and reading. May be repeated once with different topic.

**FDM 4V85 Special Problems in Telecommunication (1-3)**

Pre-requisite(s): Fifteen semester hours in Communication Studies (CSS or FDM), and consent of instructor

Not open to Pre-Film and Digital Media students. A conference course designed to give individual students opportunities for additional work in their area of concentration in the film and digital media division of the department. One to three hours may be earned a semester. May be repeated once with change in content.

**FDM 4V98 Electronic and Film Media Workshop (3-6)**

Pre-requisite(s): Consent of instructor

Not open to Pre-Film and Digital Media students. A directed project to a detailed individual or group radio, television, or film production including preproduction, research and concept development, production, post production, and planning for distribution. May be repeated once in a different semester for a total of six semester hours.

**FDM 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Film and Digital Media, B.A.

### Requirements for a Major in Film and Digital Media

| Code   | Title                                    | Hours |
|--|--|-------|
| Thirty-five semester hours including the following: <sup>1</sup> |  |       |
| <b>Required Courses</b>  |  |       |
| FDM 1198   | Practicum in Grip and Lighting Equipment | 1     |

|  |  |           |
|--|--|-----------|
| FDM 1199   | Practicum in Video and Audio Equipment | 1         |
| FDM 1304   | Visual Literacy: Sight, Sound, Motion  | 3         |
| FDM 2360   | Production Methods                     | 3         |
| or FDM 3361  | Production Methods II                  |           |
| FDM 2351   | History of Motion Pictures             | 3         |
| or FDM 2352  | History of Radio and Television        |           |
| FDM 3372   | Writing for Media Markets              | 3         |
| or FDM 3373  | Screenwriting                          |           |
| or FDM 3374  | Television Writing                     |           |
| FDM 4340   | Media and Society                      | 3         |
| Eighteen semester hours of FDM courses, nine of which must be at the 3000-4000 level |  | 18        |
| <b>Total Hours</b>   |  | <b>35</b> |

<sup>1</sup> Students are strongly encouraged to register in FDM 1101 New Student Seminar in Film & Digital Media during their first semester on campus.

## Film and Digital Media - Secondary Major

### Requirements for a Secondary Major in Film and Digital Media

| Code   | Title                                    | Hours     |
|--|--|-----------|
| Thirty-two semester hours including the following: <sup>1</sup>                        |  |           |
| <b>Required Courses</b>  |  |           |
| FDM 1198   | Practicum in Grip and Lighting Equipment | 1         |
| FDM 1199   | Practicum in Video and Audio Equipment   | 1         |
| FDM 1304   | Visual Literacy: Sight, Sound, Motion    | 3         |
| FDM 2360   | Production Methods                       | 3         |
| or FDM 3361  | Production Methods II                    |           |
| FDM 2351   | History of Motion Pictures               | 3         |
| or FDM 2352  | History of Radio and Television          |           |
| FDM 4340   | Media and Society                        | 3         |
| Eighteen semester hours of FDM courses, twelve of which must be at the 3000-4000 level |  | 18        |
| <b>Total Hours</b>   |  | <b>32</b> |

<sup>1</sup> Students are strongly encouraged to register in FDM 1101 New Student Seminar in Film & Digital Media during their first semester on campus.

## Film and Digital Media Minor

### Requirements for a Minor in Film and Digital Media

| Code   | Title                                    | Hours |
|--|--|-------|
| Twenty semester hours including the following: |  |       |
| <b>Required Courses</b>                        |  |       |
| FDM 1198                                       | Practicum in Grip and Lighting Equipment | 1     |
| FDM 1199                                       | Practicum in Video and Audio Equipment   | 1     |
| FDM 1304                                       | Visual Literacy: Sight, Sound, Motion    | 3     |
| FDM 2360                                       | Production Methods                       | 3     |

|  |                           |           |
|--|---------------------------|-----------|
| or FDM 3361  | Production Methods II     |           |
| FDM 3372   | Writing for Media Markets | 3         |
| or FDM 3373  | Screenwriting             |           |
| or FDM 3374  | Television Writing        |           |
| Nine semester hours of 3000-4000 level FDM courses |                           | 9         |
| <b>Total Hours</b>                                 |                           | <b>20</b> |

## Media Management Minor

### Requirements for a Minor in Media Management

| Code  | Title                              | Hours     |
|---|------------------------------------|-----------|
| Eighteen semester hours including the following:                                  |                                    |           |
| <b>Required Courses</b>   |                                    |           |
| FDM 1303  | Introduction to Mass Communication | 3         |
| FDM 3320  | Business of Media                  | 3         |
| Twelve semester hours of FDM courses, six of which must be at the 3000-4000 level |                                    | 12        |
| <b>Total Hours</b>  |                                    | <b>18</b> |

## Film Theory and Criticism Minor

### Requirements for a Minor in Film Theory and Criticism

| Code   | Title  | Hours     |
|--|--|-----------|
| Eighteen semester hours including the following: |  |           |
| <b>Required Courses</b>                          |  |           |
| FDM 1304   | Visual Literacy: Sight, Sound, Motion                                | 3         |
| FDM 2351   | History of Motion Pictures   | 3         |
| FDM 2360   | Production Methods   | 3         |
| FDM 4343   | Film and Media Theory  | 3         |
| Select six semester hours from the following:    |  | 6         |
| FDM 3321   | Media Programming  |           |
| FDM/RUS 3345                                     | Introduction to Russian Film: Culture and Identity                   |           |
| FDM/FRE 4330                                     | Survey of French Cinema  |           |
| FDM 4380   | Topics in Media History  |           |
| FDM 4382   | Topics in Media Storytelling   |           |
| FDM 4384   | Topics in National Media   |           |
| FDM 4396   | Topics in Media Genres   |           |
| FDM 4397   | Topics in Contemporary Cinema  |           |
| GER 3345   | Introduction to German Film: German Culture from Berlin to Hollywood |           |
| <b>Total Hours</b>                               |  | <b>18</b> |

## Geosciences

Courses in geosciences leading to a bachelor of science degree provide opportunities for research and specialization (including surface and subsurface) in:

1. structural geology, structural petrology, and tectonics;
2. sedimentology, sedimentary petrology, environmental geochemistry, and diagenesis;
3. invertebrate paleontology, paleoecology, and modern carbonate environments;
4. petroleum geology and stratigraphy;
5. igneous petrology and volcanology;
6. hydrogeology and hydrology;
7. geophysics;
8. geomorphology, urban geology, G.I.S., environmental geology, and wetlands; and
9. geoarchaeology.

Geosciences students planning to specialize in paleontology should elect courses in biology; those planning to specialize in mineralogy and/or petrology should take more chemistry.

- Geosciences, B.S. (p. 143)
- Geosciences - Secondary Major (p. 148)
- Geosciences Minor (p. 148)
- Geophysics, B.S. (p. 149)
- Earth Science, B.A. (p. 149)
- Earth Science (Double Major with Environmental Studies), B.A. (p. 150)
- Earth Science Minor (p. 150)

## Geology (GEO)

### **GEO 1106 The Earth Through Time, Laboratory (1)**

Pre-requisite(s): GEO 1306 or GEO 1307 or concurrent enrollment  
Counterpart lab to either GEO 1306 or GEO 1307.

### **GEO 1109 Origins of Habitable Worlds, Laboratory (3)**

Pre-requisite(s): Credit or concurrent enrollment in GEO 1309  
Counterpart laboratory for GEO 1309.

### **GEO 1306 The Earth Through Time (3)**

In this course, students will gain an understanding of the relationship between the Earth's history and what that history suggests about both Earth's future and the present distribution of natural resources that support civilization.

### **GEO 1307 Evolution and Extinction (3)**

An examination of the fossil and geologic evidence of the history of life on Earth to help address that fundamental question. This course will emphasize what the fossil records tells us about evolutionary processes, major extinction events in Earth history, the relationship between the Earth's changing climates and environments and evolution, and the implications of future climate change for life on Earth.

### **GEO 1309 Origins of Habitable Worlds (3)**

This course asks "What makes a planet habitable?" by exploring the origins and inner workings of rocky planets and moons. This course will focus on the geologic processes that are endemic to Earth-like planets and will explore the ways in which NASA spacecraft missions illuminate these processes.

### **GEO 1401 Earthquakes and Other Natural Disasters (4)**

Survey of the natural disasters afflicting mankind. The course examines the causes and impact upon society of earthquakes, volcanoes, landslides, subsidence, and floods. Weekly laboratory. Students taking GEO 1401 cannot receive credit for GEO 1403 or GEO 1405.

### **GEO 1402 World Oceans (4)**

Introduction to oceanography emphasizing human interaction with the oceans: ocean resources, global environmental ethics, and conflicts resulting from ocean exploitation. One Saturday field trip required.

### **GEO 1403 Environmental Geology (4)**

A study of the interaction between people and the geologic environment. Emphasis will be placed on catastrophic geologic processes, earth resources, pollution, and regional planning. Students taking GEO 1403 cannot receive credit for GEO 1401 or GEO 1405.

### **GEO 1405 The Dynamic Earth (4)**

Survey of processes that have shaped the earth, including mountain building, volcanism, deposition of sediments, and landscape development. Plate tectonics integrates all the above into a dynamic theory of the deformation of the earth. Weekly laboratory. Students taking GEO 1405 cannot receive credit for Geo. 1401 or Geo. 1403.

### **GEO 1408 Earth Science (4)**

A descriptive survey of the earth sciences including astronomy, geology, meteorology, and oceanography. One Saturday field trip required.

### **GEO 1410 Gems and Minerals (4)**

Theory and application of gemology. Topics include crystallography, mineral optics, crystallization conditions, identification, and preparation of gemstones.

### **GEO 1V90 Special Problems (1-3)**

Pre-requisite(s): Consent of department chair

The current understanding of the earth as studied in a lab setting through group experimentation and projects. May be repeated with a change in content or topic.

### **GEO 3312 Geography of North America (3)**

Regional analysis of physical economic, and cultural phenomena in the United States and Canada with emphasis on Texas.

### **GEO 3313 Regional Geology (3)**

Pre-requisite(s): GEO 1401, 1402, 1403, 1405 or 1408; and 1406 or (1106 and 1306) or (1106 and 1307)  
A survey of regional stratigraphic, structural, physiographic, petrographic, and mineralogic provinces of the United States. Extensive library research is required.

### **GEO 3319 Geophysics (3)**

Pre-requisite(s): GEO 1401, 1402, 1403, 1405, 1408 or 1109 and 1309  
Introduction to the study of the earth by quantitative physical methods, especially by seismic reflection and refraction, gravity, magnetic, electrical, and radiation methods.

### **GEO 3325 Earth Materials (3)**

A study of mineral and rock groups, their composition, properties, occurrence, and identification. Field trips and laboratory exercises included. Rock, mineral, and fossil collections are required.

### **GEO 3329 Aqueous Geochemistry (3)**

Pre-requisite(s): GEO 1401, 1402, 1403, 1405 or 1408; or consent of instructor

An introduction to the processes that control the chemical composition of surface and groundwater. Emphasis on the differentiation between natural geochemical processes and human perturbations of the environment.

**GEO 3341 Marine Field Studies (3)**

Cross-listed as BIO 3341

Pre-requisite(s): Four semester hours of geology or biology, and consent of instructor

Field examination of modern marine environments, including coral reefs, lagoons, deltas, and beaches. Individual research projects emphasize geology or biology of coral reefs. Offered during summer session.

**GEO 3344 Sedimentary Field Studies (3)**

Pre-requisite(s): GEO 1401, 1402, 1403, 1405, or 1408; and GEO 1106 with either 1306 or 1307

Field study of modern sediments and ancient sedimentary rocks.

Physical and biological features of modern sedimentary environments are examined to provide the basis for interpreting ancient environments in the rock record. Offered during summer session.

**GEO 3349 Hydrologic Processes (3)**

Pre-requisite(s): Upper-level standing

Theory and principles of hydrology and hydrogeology focusing on the physical processes: the hydrologic cycle, definitions, equations, streams, flooding, erosion, sedimentation and transport, aquifers, groundwater flow and well hydraulics. One or more local field trips required.

**GEO 3365 Applied Petroleum Geoscience (3)**

Pre-requisite(s): Geo

1405 and 1406 or (1106 and 1306) or (1106 and 1307). Basic and intermediate concepts related to hydrocarbon origin, migration and accumulation. Review of the design and application of standard analytical techniques and technologies used in hydrocarbon exploration and production.

**GEO 3427 Mineralogy (4)**

Pre-requisite(s): GEO 1405 (or equivalent) and credit or concurrent enrollment in either CHE 1300 or CHE 1301

Igneous, Sedimentary, and Metamorphic rocks in hand specimen; crystallography and systematic mineralogy. Occasional field trips.

**GEO 3430 Petrology (4)**

Pre-requisite(s): GEO 3427 and CHE 1302; or consent of instructor  
Origin and evolution of Igneous, Sedimentary, and Metamorphic rocks. Includes optical mineralogy of principal rock-forming minerals and thin section study of rocks. Required field trip.

**GEO 3435 Invertebrate Paleontology (4)**

Cross-listed as BIO 3435

Prerequisite (s): Prerequisite (s): GEO 1406 or (1106 and 1306) or (1106 and 1307) or consent of instructor. Introduction to taxonomy, morphology, evolution, paleoecology and stratigraphic aspects of invertebrate fossils. Emphasis on biostratigraphic and time-stratigraphic concepts, evolutionary trends, speciation, biometrics, facies, faunas, zonation, and correlation. Independent field and lab problems.

**GEO 3442 Field Stratigraphy-Sedimentology (4)**

Prerequisite (s): GEO 3427 and 3435 or consent of instructor. Study of sediments and sedimentary rocks in the field. The interpretation of geologic history, based on outcrop investigation. Includes numerous written and oral reports, weekly field trips, and occasional weekend field trips. Recommended for junior year.

**GEO 3445 Structural Geology (4)**

Prerequisite (s): GEO 1406 or (1106 and 1306) or (1106 and 1307) and GEO 3430 or consent of instructor. The structures of the earth's crust; their classification, origin, and economic aspects; methods of discovery of structures; solution of structural problems; elementary field methods. Two field trips are required.

**GEO 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**GEO 4300 Senior Thesis (3)**

Pre-requisite(s): Requires a GPA of 3.25 overall or 3.5 in Geology and consent of the instructor

Independent research problem. Result will be submitted in proper thesis format with an oral defense.

**GEO 4301 Senior Colloquium (3)**

Pre-requisite(s): Senior level standing Readings and presentations that emphasize integration of major core courses in the major

**GEO 4302 Mentored Research Experience (3)**

Pre-requisite(s): Prerequisite (s): Consent of instructor and Senior level standing

Research in laboratory or field with faculty or graduate student under direction of faculty. Requires a written report to faculty mentor.

**GEO 4303 Internship (3)**

Pre-requisite(s): Prerequisite(s): Consent of instructor and Senior level standing

Supervised work experience in a geology-related position with an outside agency or company. This course will allow undergraduates the chance to experience work in an area of their career interest.

**GEO 4312 Oceanography (3)**

Physical, chemical, biological, and geological aspects of the oceans with special emphasis on the direct and indirect relationships of humans to the oceans. Such topics as mining the sea and its floor, farming the seas, and influence of the oceans on weather are included. Field trips and laboratory exercises. May not be taken for credit if GEO 1402 has been taken.

**GEO 4313 Astronomy (3)**

A brief history of astronomy developments followed by a survey of the dimensions, motions, and interrelationships of bodies in our solar system. Additional emphasis is given to galaxies, stellar evolution, and cosmology.

**GEO 4314 Meteorology (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Composition of the atmosphere, atmospheric processes, weather disturbances, and climate elements and controls. Emphasis is placed on climate classification and measurements of human inputs into the atmosphere.

**GEO 4317 Sedimentary Geochemistry (3)**

Pre-requisite(s): Consent of instructor

A chemical investigation of geological processes and materials in low temperature and pressure environments including important chemical reactions occurring at various stages of the surface cycle.

**GEO 4321 Isotope Geochemistry (3)**

Pre-requisite(s): Consent of instructor

Theory and application of stable and radioactive isotopes in geology with particular emphasis on the use of stable isotopes in solving environmental, paleoclimate, and hydrogeologic problems.

**GEO 4322 Global Biogeochemical Cycles (3)**

Pre-requisite(s): CHE 1301, 1302, 1101, 1102; and BIO 1403; and GEO 1405 and 3427

The chemistry of the earth's surface. Emphasis on the dynamic chemical and biological reactions on land, in the oceans, and in the atmosphere and their influence upon the global budgets and cycling of carbon, nitrogen, oxygen, and sulfur. Includes field trips.



**GEO 4323 Geodynamics (3)**

Pre-requisite(s): Consent of instructor

Study of dynamic processes in solid planetary bodies using mathematical reasoning or MATLAB scripts.

**GEO 4324 Geomicrobiology (3)**

Pre-requisite(s): Consent of instructor

Microbial metabolic processes that have coevolved with the Earth's surface environment including the changing composition of the upper lithosphere, hydrosphere, and atmosphere.

**GEO 4325 Economic Mineral Deposits (3)**

Pre-requisite(s): GEO 3427 and 3445

Non-hydrocarbon economic mineral deposits. Origin and migration of ore-bearing fluids; mineralogy and geometry of ore bodies; relations of ore deposits to magnetism and tectonics. Field trip to Central Texas mining district.

**GEO 4328 Sedimentary Petrology (3)**

Pre-requisite(s): GEO 3427 and 3435 or consent of instructor

Microscopic and field characteristics of sedimentary rocks. Emphasis on interpretation of depositional and diagenetic environments and relationships between geometry of rock bodies and sedimentary processes.

**GEO 4332 Science Leadership: Community Environmental Research (3)**

Cross-listed as ENV 4332

See ENV 4332 for course information.

**GEO 4335 Volcanology (3)**

Pre-requisite(s): Consent of instructor

Analysis of volcanic ejecta. Mechanisms of lava and pyroclastic eruptions. Geomorphological analysis of volcanic landforms. History of volcanological studies and case studies of well-known volcanoes. Field trips.

**GEO 4336 Analytical Techniques in Geochemistry (3)**

Pre-requisite(s): GEO 3427

Principles and practice of X-ray fluorescence and electron probe analysis of geologic materials. Includes extensive laboratory work.

**GEO 4337 Paleoecology (3)**

Pre-requisite(s): GEO 3435 or consent of instructor

Relationship of fossil plants and animals to their physical and biological environment. Examination of principles of paleosynecology and paleoautecology; data gathering, analysis, and techniques of interpretation.

**GEO 4339 Advanced Marine Field Studies (3)**

Cross-listed as BIO 4339

Pre-requisite(s): GEO 3341 or 5333 or BIO 3341

Continuation of GEO 3341/5333. Field examination of marine environments. Individual research projects emphasize biology and geology of carbonate depositional regimes.

**GEO 4340 Geomorphology (3)**

Pre-requisite(s): Upper-level standing

Development and modification of land-surface forms by atmospheric, fluvial, glacial, mass-wasting, volcanic, and tectonic agents. Emphasis is placed on the spatial aspects of landscape evolution.

**GEO 4341 Introduction to Hydrology (3)**

Pre-requisite(s): Consent of instructor

Basic applied techniques in surface and ground water hydrology. Surface water hydrology will incorporate analysis of precipitation records, runoff processes, and calculation of flood hazard. Ground water hydrology will emphasize hydrogeology techniques, including simple models of ground water movement.

**GEO 4345 Water Management (3)**

Cross-listed as ENV 4345

See ENV 4345 for course information.

**GEO 4346 Hydrogeology (3)**

Pre-requisite(s): GEO 3342 and 3445

Hydrogeology (ground water hydrology) for geologists and engineers. Topics to be covered include evaporation and precipitation, soil moisture, principles of ground water flow, regional ground water flow, geology of ground water occurrence, flow to wells, ground water chemistry, and ground water development and management.

**GEO 4348 Geoarchaeology (3)**

Cross-listed as ANT 4348

Pre-requisite(s): Upper-level standing or consent of instructor

Concepts and methods of the geosciences applied to solving archaeological problems. Emphasis on stratigraphy, soils, climate, dating techniques, site formation, and site preservation related to both New World and Old World archaeology.

**GEO 4361 Petroleum Geoscience Concepts (3)**

Pre-requisite(s): Consent of instructor

Geologic controls on the formation and accumulation of oil and gas, including concepts, equipment, data types and analytical procedures used in exploration and production.

**GEO 4371 Wetlands (3)**

Cross-listed as ENV 4371

Pre-requisite(s): Upper-level standing or consent of instructor

Theory and application of the wetland concepts: classification, hydrology, biochemistry, soils, vegetation, construction, regulation, and delineation. Field lab.

**GEO 4373 Global Soil Systems (3)**

Cross-listed as ENV 4374

Fundamentals of soil genesis, classification, geomorphology, ecosystems, and environmental interpretation. Includes the role of soil biogeochemical cycles in past, current, and future global change issues. Field lab.

**GEO 4375 Natural Landscape Evaluation and Planning (3)**

Cross-listed as ENV 4375

Recognition of natural features that affect human uses. Evaluation of natural landscapes on a scale from complete preservation to full development. Experience in urban landscapes. Includes one or more Saturday field trips.

**GEO 4381 Paleoclimatology (3)**

Pre-requisite(s): Consent of instructor

A survey of important changes in the Earth's climate using primary literature and the proxies and models used to determine and interpret the causes and effects of these changes.

**GEO 4383 Climate Change and Society I (3)**

Pre-requisite(s): GEO 1401, 1402, or 1405

Details how humans have changed Earth's atmosphere, climate and environments which has challenged the sustainability of the planet. Earth systems models will be examined to highlight past and future climate changes.

**GEO 4384 Monsoon Climatology and Paleoclimatology (3)**

Pre-requisite(s): Senior level standing and GEO 4340

A global view on monsoon climate dynamics and variability in the 21st century, the past 20,000 years and into the future.



**GEO 4386 Remote Sensing (3)**

Cross-listed as AVS 4386, BIO 4386, ENV 4386

Pre-requisite(s): Consent of instructor

Physical mechanisms of surface and atmospheric materials absorption, transmittance, reflection, and emittance of light measured by various remote sensing platforms. Survey various applications related to earth science, ecology, meteorology, and environmental science.

**GEO 4388 Earth System Science (3)**

Pre-requisite(s): Consent of instructor

The internal and external forcing factors that influence the Earth's four systems (atmosphere, hydrosphere, biosphere, and solid Earth), and how they affect the Earth's climate.

**GEO 4389 Quaternary Geology (3)**

Pre-requisite(s): GEOG 1404, GEO 1405, 1406 or (1106 and 1306) or (1106 and 1307), or 1408; or consent of instructor; and upper-level standing  
An examination through morphologic, stratigraphic, and biogeochemical proxy data of the nature of earth environments, focusing on the three most important components: Quaternary stratigraphies, Quaternary chronologies, and Quaternary environmental proxies and their interpretation.

**GEO 4430 Vertebrate Paleontology (4)**

Cross-listed as BIO 4430

See BIO 4430 for course information.

**GEO 4431 Evolutionary History of Plants (4)**

Pre-requisite(s): GEO 1406 or (1106 and 1306) or (1106 and 1307)

The evolutionary history of plants as studied through the fossil record, including preservation, plant morphology and anatomy, and techniques used to reconstruct paleoenvironment and paleoecology. Weekly labs, with one weekend field trip.

**GEO 4453 Advanced Three-Dimensional Seismic Interpretation (4)**

Pre-requisite(s): GEO 4458 or consent of instructor

Techniques used to extract geological information from three-dimensional seismic reflection data. Laboratory emphasizing interpretation of real data sets, integration of other geologic and geophysical data, and construction of subsurface maps and sections.

**GEO 4455 Introduction to Seismology (4)**

Pre-requisite(s): PHY 1420, MTH 2321, and upper-level standing or consent of instructor

Theory of wave propagation in the Earth, earthquake mechanics, Earth structure, interpretation of seismograms, faults, seismotectonics, earthquake locations, magnitudes, and focal mechanisms.

**GEO 4457 Geophysical Exploration I (4)**

Pre-requisite(s): GEO 3342 and 3445 and consent of instructor

Exploration geophysics, using gravity, magnetics, heat flow, telluric currents, resistivity, and other methods of remote sensing of hidden geological phenomena exclusive of seismic exploration. Laboratory work will emphasize geological interpretation of geophysical data.

**GEO 4458 Geophysical Exploration II (4)**

Pre-requisite(s): GEO 3342 and 3445; and consent of instructor

Exploration geophysics, using latest seismic techniques and well-log analyses, with emphasis on petroleum exploration.

**GEO 4459 Engineering Geology (4)**

Pre-requisite(s): Consent of instructor

Soil and rock mechanics. Analysis of geotechnical problems in the field and lab, report preparation, and computer evaluation of geotechnical problems.

**GEO 4485 Introduction to Geographic Information Systems (4)**

Cross-listed as AVS 4485, ENV 4485, GEO 4385

The course covers the use of GIS to acquire primary geographic data, solve geographic problems, automate geographic analysis, and render explanations for geographic patterns and trends. Students will use the latest GIS software and data layers in a lab section.

**GEO 4487 Advanced GIS Analysis (4)**

Cross-listed as AVS 4487, ENV 4487, GEO 4387

See ENV 4487 for course information.

**GEO 4656 Geophysical Field Training (6)**

Pre-requisite(s): GEO 4457 or 4458 or consent of instructor

Practice in the efficient, accurate, and cost effective acquisition of geophysical data in the field. The course will involve field practice with gravimeters, magnetometers, borehole drilling and logging devices, exploration seismic gear, surface electrical prospecting equipment, physical laboratory models, and digital data processing equipment as specific equipment is available from summer to summer. Field work will be conducted on a weekly schedule of at least five half days, with data reduction taking up the remaining time.

**GEO 46C3 Capstone Field Experience (6)**

Pre-requisite(s): Consent of instructor

Includes extended field trip, oral and written reports, sample identification, and design of field problems. Synthesis of undergraduate curriculum through geological mapping and interpretation of field processes.

**GEO 4V90 Special Problems (1-5)**

Pre-requisite(s): Consent of department chair

Course may be repeated with a change in content or topic.

**GEO 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Geosciences, B.S.

### Requirements for a Major in Geosciences

| Code   | Title  | Hours |
|--|--|-------|
| Thirty-nine semester hours including the following: <sup>1</sup> |  |       |
| <b>Required Courses</b>  |  |       |
| GEO 1306   | The Earth Through Time                               | 3     |
| or GEO 1307  | Evolution and Extinction                             |       |
| or GEO 1309  | Origins of Habitable Worlds                          |       |
| GEO 1106   | The Earth Through Time, Laboratory                   | 1     |
| GEO 1401   | Earthquakes and Other Natural Disasters <sup>2</sup> | 4     |
| or GEO 1402  | World Oceans   |       |
| or GEO 1405  | The Dynamic Earth                                    |       |
| GEO 3427   | Mineralogy   | 4     |
| GEO 3442   | Field Stratigraphy-Sedimentology                     | 4     |
| GEO 3445   | Structural Geology                                   | 4     |
| GEO 4656   | Geophysical Field Training                           | 6     |
| or GEO 46C3  | Capstone Field Experience                            |       |
| <b>Concentration</b>   |  |       |
| Complete additional requirements for one concentration           |  | 13    |
| Biogeoscience and Paleontology (p. 144)                          |  |       |
| Climate Change and Society (p. 144)                              |  |       |
| Geochemistry (p. 145)  |  |       |

|  |           |
|--|-----------|
| Geology (p. 146)   |           |
| Geophysics (p. 146)  |           |
| Hydrogeoscience (p. 147)                                   |           |
| Petroleum Geosciences (p. 147)                             |           |
| Planetary Geoscience (p. 148)                              |           |
| A grade of "C" or better in GEO courses used for the major |           |
| <b>Total Hours</b>   | <b>39</b> |

<sup>1</sup> GEO 4487 Advanced GIS Analysis will not apply toward the major.  
<sup>2</sup> Majors are encouraged to take GEO 1405 The Dynamic Earth.

## Geosciences (Biogeoscience & Paleontology), B.S.

### Requirements for a Concentration in Biogeoscience & Paleontology

| Code   | Title   | Hours |
|--|---|-------|
| <b>Concentration Requirements</b>                |   |       |
| Thirteen semester hours including the following: |   |       |
| GEO 3435   | Invertebrate Paleontology                         | 4     |
| Select nine hours from the following:            |   | 9     |
| GEO 4322   | Global Biogeochemical Cycles                      |       |
| GEO 4324   | Geomicrobiology                                   |       |
| GEO 4337   | Paleoecology                                      |       |
| GEO 4388   | Earth System Science                              |       |
| GEO 4430   | Vertebrate Paleontology                           |       |
| GEO 4431   | Evolutionary History of Plants                    |       |
| No more than six hours from the following:       |   |       |
| GEO 4373   | Global Soil Systems                               |       |
| GEO 4381   | Paleoclimatology                                  |       |
| GEO 4383   | Climate Change and Society I                      |       |
| GEO 4384   | Monsoon Climatology and Paleoclimatology          |       |
| GEO 4386   | Remote Sensing                                    |       |
| ANT 3331   | Human Osteology                                   |       |
| ANT 4314   | Human Biological Variation                        |       |
| ANT 4335   | The Human Fossil Record                           |       |
| ANT 4380   | Bioarchaeology                                    |       |
| ANT/BIO 4416                                     | Human Evolutionary Anatomy                        |       |
| BIO 3303   | Ecology   |       |
| BIO 3320   | Climate Change Biology                            |       |
| BIO 3342   | Molecular Cell Biology                            |       |
| BIO 3350   | Genomics and Bioinformatics                       |       |
| BIO 3366   | Foundations of Evolutionary Biology <sup>1</sup>  |       |
| BIO 4302 & BIO 4102                              | General Microbiology and General Microbiology Lab |       |
| BIO 4310   | Biogeography                                      |       |
| BIO 4317 & BIO 4117                              | Plant Physiology and Plant Physiology Lab         |       |
| BIO 4405   | Limnology   |       |
| BIO 4406   | Aquatic Biology                                   |       |
| BIO 4431   | Comparative Vertebrate Physiology                 |       |

|  |   |           |
|--|---|-----------|
| CHE 4341                                   | General Biochemistry  |           |
| GEO 4300 or GEO 4302 or GEO 4303           | Senior Thesis<br>Mentored Research Experience<br>Internship                           |           |
| <b>Subtotal</b>                            |   | <b>13</b> |
| <b>Required Courses in Other Fields</b>    |   |           |
| MTH 1321                                   | Calculus I  | 3         |
| MTH 1322 or STA 2381                       | Calculus II<br>Introductory Statistical Methods                                       | 3         |
| Sixteen semester hours from the following: |   | 16        |
| BIO 1303                                   | Human Ecology: Our Place in Nature  |           |
| BIO 1305 & BIO 1105                        | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |           |
| BIO 1306 & BIO 1106                        | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |           |
| CHE 1301 & CHE 1101                        | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |           |
| CHE 1302 & CHE 1102                        | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |           |
| PHY 1408                                   | General Physics for Natural and Behavioral Sciences I                                 |           |
| PHY 1409                                   | General Physics for Natural and Behavioral Sciences II                                |           |
| PHY 1420                                   | General Physics I   |           |
| PHY 1430                                   | General Physics II  |           |
| No more than four hours from:              |   |           |
| ANT 1404                                   | Introduction to Human Evolution   |           |
| ANT 1407                                   | Introduction to Archaeology   |           |
| AVS 1313                                   | Introduction to Meteorology   |           |
| BUS 2222                                   | Introduction to Energy Commerce   |           |
| CSI 1430                                   | Introduction to Computer Science I with Laboratory                                    |           |
| ENV 1301 & ENV 1101                        | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)    |           |
| <b>Total Hours</b>                         |   | <b>35</b> |

<sup>1</sup> BIO 3366 is a recommended course.

## Geosciences (Climate Change & Society), B.S.

### Requirements for a Concentration in Climate Change & Society

| Code  | Title                        | Hours |
|---|------------------------------|-------|
| <b>Concentration Requirements</b>           |                              |       |
| Thirteen semester hours from the following: |                              | 13    |
| GEO 3435                                    | Invertebrate Paleontology    |       |
| GEO 4322                                    | Global Biogeochemical Cycles |       |
| GEO 4340                                    | Geomorphology                |       |
| GEO 4341                                    | Introduction to Hydrology    |       |

|  |   |
|--|---|
| GEO 4346                               | Hydrogeology  |
| GEO 4381                               | Paleoclimatology  |
| GEO 4383                               | Climate Change and Society I                                |
| GEO 4384                               | Monsoon Climatology and Paleoclimatology                    |
| GEO 4386                               | Remote Sensing  |
| GEO 4388                               | Earth System Science  |
| GEO 4485                               | Introduction to Geographic Information Systems              |
| GEO 4300<br>or GEO 4302<br>or GEO 4303 | Senior Thesis<br>Mentored Research Experience<br>Internship |

No more than six hours from:

|          |   |
|----------|---|
| ANT 3301 | Science, Society, and Culture           |
| ANT 4321 | Climate Anthropology                    |
| BIO 3303 | Ecology                                 |
| BIO 3320 | Climate Change Biology                  |
| BIO 4310 | Biogeography                            |
| ENV 3300 | The Environment and Political Processes |
| ENV 3314 | Introduction to Environmental Health    |
| HIS 4388 | American Environmental History          |

**Subtotal** 13

#### Required Courses in Other Fields

|                         |   |   |
|-------------------------|---|---|
| MTH 1321                | Calculus I                                      | 3 |
| MTH 1322<br>or STA 2381 | Calculus II<br>Introductory Statistical Methods | 3 |

Sixteen semester hours from the following: 16

|   |   |
|---|---|
| BIO 1303                                    | Human Ecology: Our Place in Nature  |
| BIO 1305<br>& BIO 1105                      | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |
| BIO 1306<br>& BIO 1106                      | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |
| CHE 1301<br>& CHE 1101                      | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |
| CHE 1302<br>& CHE 1102                      | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |
| PHY 1408                                    | General Physics for Natural and Behavioral Sciences I                                 |
| PHY 1409                                    | General Physics for Natural and Behavioral Sciences II                                |
| PHY 1420                                    | General Physics I   |
| PHY 1430                                    | General Physics II  |
| No more than four hours from the following: |   |
| ANT 1404                                    | Introduction to Human Evolution   |
| ANT 1407                                    | Introduction to Archaeology   |
| AVS 1313                                    | Introduction to Meteorology   |
| BUS 2222                                    | Introduction to Energy Commerce   |
| CSI 1430                                    | Introduction to Computer Science I with Laboratory                                    |

|                        |  |
|------------------------|--|
| ENV 1301<br>& ENV 1101 | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab) |
|------------------------|--|

**Total Hours** 35

## Geosciences (Geochemistry), B.S. Requirements for a Concentration in Geochemistry

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

#### Concentration Requirements

Thirteen semester hours from the following: 13

|          |                                       |
|----------|---------------------------------------|
| GEO 3430 | Petrology                             |
| GEO 4317 | Sedimentary Geochemistry              |
| GEO 4321 | Isotope Geochemistry                  |
| GEO 4322 | Global Biogeochemical Cycles          |
| GEO 4324 | Geomicrobiology                       |
| GEO 4328 | Sedimentary Petrology                 |
| GEO 4335 | Volcanology                           |
| GEO 4336 | Analytical Techniques in Geochemistry |

No more than seven hours from:

|  |   |
|--|---|
| CHE 3238                               | Organic Chemistry Laboratory                                |
| CHE 3331                               | Organic Chemistry I   |
| CHE 3332                               | Organic Chemistry II  |
| CHE 4225                               | Biophysical Chemistry Laboratory                            |
| CHE 4227                               | Physical Chemistry Laboratory I                             |
| CHE 4321                               | Physical Chemistry I  |
| CHE 4327                               | Physical Chemistry for the Life Sciences                    |
| CHE 4341                               | General Biochemistry  |
| ENV 3387                               | Environmental Chemistry                                     |
| ENV 4304                               | Aquatic Chemistry   |
| GEO 4300<br>or GEO 4302<br>or GEO 4303 | Senior Thesis<br>Mentored Research Experience<br>Internship |

**Subtotal** 13

#### Required Courses in Other Fields

|                         |   |   |
|-------------------------|---|---|
| MTH 1321                | Calculus I                                      | 3 |
| MTH 1322<br>or STA 2381 | Calculus II<br>Introductory Statistical Methods | 3 |

Sixteen semester hours from: 16

|                        |   |
|------------------------|---|
| BIO 1303               | Human Ecology: Our Place in Nature  |
| BIO 1305<br>& BIO 1105 | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |
| BIO 1306<br>& BIO 1106 | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |
| CHE 1301<br>& CHE 1101 | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |
| CHE 1302<br>& CHE 1102 | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |
| PHY 1408               | General Physics for Natural and Behavioral Sciences I                                 |

|                               |  |
|-------------------------------|--|
| PHY 1409                      | General Physics for Natural and Behavioral Sciences II                             |
| PHY 1420                      | General Physics I  |
| PHY 1430                      | General Physics II   |
| No more than four hours from: |  |
| ANT 1404                      | Introduction to Human Evolution  |
| ANT 1407                      | Introduction to Archaeology  |
| AVS 1313                      | Introduction to Meteorology  |
| BUS 2222                      | Introduction to Energy Commerce  |
| CSI 1430                      | Introduction to Computer Science I with Laboratory                                 |
| ENV 1301 & ENV 1101           | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab) |
| <b>Total Hours</b>            | <b>35</b>  |

## Geosciences (Geology), B.S.

### Requirements for a Concentration in Geology

| Code   | Title   | Hours     |
|--|---|-----------|
| <b>Concentration Requirements</b>                |   |           |
| Thirteen semester hours including the following: |   |           |
| GEO 3430   | Petrology   | 4         |
| GEO 3435   | Invertebrate Paleontology   | 4         |
| Five semester hours of 4000-level GEO courses    |   | 5         |
| <b>Subtotal</b>                                  |   | <b>13</b> |
| <b>Required Courses in Other Fields</b>          |   |           |
| MTH 1321   | Calculus I  | 3         |
| MTH 1322   | Calculus II   | 3         |
| or STA 2381                                      | Introductory Statistical Methods  |           |
| Sixteen semester hours from:                     |   | 16        |
| BIO 1303   | Human Ecology: Our Place in Nature  |           |
| BIO 1305 & BIO 1105                              | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |           |
| BIO 1306 & BIO 1106                              | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |           |
| CHE 1301 & CHE 1101                              | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |           |
| CHE 1302 & CHE 1102                              | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |           |
| PHY 1408   | General Physics for Natural and Behavioral Sciences I                                 |           |
| PHY 1409   | General Physics for Natural and Behavioral Sciences II                                |           |
| PHY 1420   | General Physics I   |           |
| PHY 1430   | General Physics II  |           |
| No more than 4 hours from the following:         |   |           |
| ANT 1404   | Introduction to Human Evolution   |           |
| ANT 1407   | Introduction to Archaeology   |           |
| AVS 1313   | Introduction to Meteorology   |           |
| BUS 2222   | Introduction to Energy Commerce   |           |

|                     |  |
|---------------------|--|
| CSI 1430            | Introduction to Computer Science I with Laboratory                                 |
| ENV 1301 & ENV 1101 | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab) |
| <b>Total Hours</b>  | <b>35</b>  |

## Geosciences (Geophysics), B.S.

### Requirements for a Concentration in Geophysics

| Code  | Title   | Hours     |
|---|---|-----------|
| <b>Concentration Requirements</b>           |   |           |
| Thirteen semester hours from the following: |   | 13        |
| GEO 3319                                    | Geophysics  |           |
| GEO 4323                                    | Geodynamics   |           |
| GEO 4335                                    | Volcanology   |           |
| GEO 4455                                    | Introduction to Seismology  |           |
| GEO 4457                                    | Geophysical Exploration I   |           |
| GEO 4458                                    | Geophysical Exploration II  |           |
| GEO 4300                                    | Senior Thesis   |           |
| or GEO 4302                                 | Mentored Research Experience  |           |
| or GEO 4303                                 | Internship  |           |
| <b>Subtotal</b>                             |   | <b>13</b> |
| <b>Required Courses in Other Fields</b>     |   |           |
| MTH 1321                                    | Calculus I  | 3         |
| MTH 1322                                    | Calculus II   | 3         |
| or STA 2381                                 | Introductory Statistical Methods  |           |
| PHY 1420                                    | General Physics I   | 4         |
| PHY 1430                                    | General Physics II  | 4         |
| Eight semester hours from:                  |   | 8         |
| BIO 1303                                    | Human Ecology: Our Place in Nature  |           |
| BIO 1305 & BIO 1105                         | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |           |
| BIO 1306 & BIO 1106                         | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |           |
| CHE 1301 & CHE 1101                         | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |           |
| CHE 1302 & CHE 1102                         | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |           |
| No more than four hours from:               |   |           |
| ANT 1404                                    | Introduction to Human Evolution   |           |
| ANT 1407                                    | Introduction to Archaeology   |           |
| AVS 1313                                    | Introduction to Meteorology   |           |
| BUS 2222                                    | Introduction to Energy Commerce   |           |
| CSI 1430                                    | Introduction to Computer Science I with Laboratory                                    |           |
| ENV 1301 & ENV 1101                         | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)    |           |
| <b>Total Hours</b>                          |   | <b>35</b> |

## Geosciences (Hydrogeoscience), B.S.

### Requirements for a Concentration in Hydrogeoscience

| Code   | Title   | Hours |
|--|---|-------|
| <b>Concentration Requirements</b>                        |   |       |
| Thirteen semester hours from the following:              |   |       |
| GEO 3349   | Hydrologic Processes  | 3     |
| or GEO 4341  | Introduction to Hydrology   |       |
| or GEO 4346  | Hydrogeology  |       |
| GEO 4386   | Remote Sensing  | 3-4   |
| or GEO 4485  | Introduction to Geographic Information Systems  |       |
| GEO 4345   | Water Management  | 3     |
| Select at least three semester hours from the following: |   | 3     |
| GEO 4317   | Sedimentary Geochemistry  |       |
| GEO 4322   | Global Biogeochemical Cycles  |       |
| GEO 4340   | Geomorphology   |       |
| GEO 4383   | Climate Change and Society I  |       |
| GEO 4388   | Earth System Science  |       |
| GEO 4300   | Senior Thesis   |       |
| or GEO 4302  | Mentored Research Experience  |       |
| or GEO 4303  | Internship  |       |
| <b>Required Courses in Other Fields</b>                  |   |       |
| MTH 1321   | Calculus I  | 3     |
| MTH 1322   | Calculus II   | 3     |
| or STA 2381  | Introductory Statistical Methods  |       |
| Sixteen semester hours from:                             |   | 16    |
| BIO 1303   | Human Ecology: Our Place in Nature  |       |
| BIO 1305 & BIO 1105                                      | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |       |
| BIO 1306 & BIO 1106                                      | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |       |
| CHE 1301 & CHE 1101                                      | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |       |
| CHE 1302 & CHE 1102                                      | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |       |
| PHY 1408   | General Physics for Natural and Behavioral Sciences I                                 |       |
| PHY 1409   | General Physics for Natural and Behavioral Sciences II                                |       |
| PHY 1420   | General Physics I   |       |
| PHY 1430   | General Physics II  |       |
| No more than four hours from:                            |   |       |
| ANT 1404   | Introduction to Human Evolution   |       |
| ANT 1407   | Introduction to Archaeology   |       |
| AVS 1313   | Introduction to Meteorology   |       |
| BUS 2222   | Introduction to Energy Commerce   |       |
| CSI 1430   | Introduction to Computer Science I with Laboratory                                    |       |

|                     |  |
|---------------------|--|
| ENV 1301 & ENV 1101 | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab) |
|---------------------|--|

## Geosciences (Petroleum Geoscience), B.S.

### Requirements for a Concentration in Petroleum Geoscience

| Code  | Title   | Hours     |
|---|---|-----------|
| <b>Concentration Requirements</b>             |   |           |
| Thirteen semester hours from the following:   |   |           |
| GEO 4361                                      | Petroleum Geoscience Concepts   | 3         |
| Select ten semester hours from the following: |   | 10        |
| GEO 3319                                      | Geophysics  |           |
| GEO 3430                                      | Petrology   |           |
| GEO 3435                                      | Invertebrate Paleontology   |           |
| GEO 4325                                      | Economic Mineral Deposits   |           |
| GEO 4328                                      | Sedimentary Petrology   |           |
| GEO 4340                                      | Geomorphology   |           |
| GEO 4346                                      | Hydrogeology  |           |
| GEO 4457                                      | Geophysical Exploration I   |           |
| GEO 4458                                      | Geophysical Exploration II  |           |
| GEO 4485                                      | Introduction to Geographic Information Systems  |           |
| GEO 4300                                      | Senior Thesis   |           |
| or GEO 4302                                   | Mentored Research Experience  |           |
| or GEO 4303                                   | Internship  |           |
| ENT 3315                                      | Starting and Managing a Business  |           |
| <b>Subtotal</b>                               |   | <b>13</b> |
| <b>Required Courses in Other Fields</b>       |   |           |
| MTH 1321                                      | Calculus I  | 3         |
| MTH 1322                                      | Calculus II   | 3         |
| or STA 2381                                   | Introductory Statistical Methods  |           |
| BUS 2222                                      | Introduction to Energy Commerce   | 2         |
| Fourteen semester hours from the following:   |   | 14        |
| BIO 1303                                      | Human Ecology: Our Place in Nature  |           |
| BIO 1305 & BIO 1105                           | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |           |
| BIO 1306 & BIO 1106                           | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |           |
| CHE 1301 & CHE 1101                           | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |           |
| CHE 1302 & CHE 1102                           | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |           |
| PHY 1408                                      | General Physics for Natural and Behavioral Sciences I                                 |           |
| PHY 1409                                      | General Physics for Natural and Behavioral Sciences II                                |           |
| PHY 1420                                      | General Physics I   |           |
| PHY 1430                                      | General Physics II  |           |



|   |  |           |
|---|--|-----------|
| No more than four hours from the following: |  |           |
| ANT 1404                                    | Introduction to Human Evolution  |           |
| ANT 1407                                    | Introduction to Archaeology  |           |
| AVS 1313                                    | Introduction to Meteorology  |           |
| CSI 1430                                    | Introduction to Computer Science I with Laboratory                                 |           |
| ENV 1301 & ENV 1101                         | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab) |           |
| <b>Total Hours</b>                          |  | <b>35</b> |

## Geosciences (Planetary Geoscience), B.S.

### Requirements for a Concentration in Planetary Geoscience

| Code   | Title   | Hours     |
|--|---|-----------|
| <b>Concentration Requirements</b>                |   |           |
| Thirteen semester hours including the following: |   |           |
| GEO 4485   | Introduction to Geographic Information Systems  | 4         |
| Select nine semester hours from the following:   |   |           |
| GEO 4321   | Isotope Geochemistry  |           |
| GEO 4323   | Geodynamics   |           |
| GEO 4335   | Volcanology   |           |
| GEO 4386   | Remote Sensing  |           |
| GEO 4388   | Earth System Science  |           |
| GEO 4457   | Geophysical Exploration I   |           |
| GEO 4300   | Senior Thesis   |           |
| or GEO 4302                                      | Mentored Research Experience  |           |
| or GEO 4303                                      | Internship  |           |
| <b>Subtotal</b>                                  |   | <b>13</b> |
| <b>Required Courses in Other Fields</b>          |   |           |
| MTH 1321   | Calculus I  | 3         |
| MTH 1322   | Calculus II   | 3         |
| or STA 2381                                      | Introductory Statistical Methods  |           |
| Sixteen semester hours from the following:       |   |           |
| BIO 1303   | Human Ecology: Our Place in Nature  |           |
| BIO 1305 & BIO 1105                              | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |           |
| BIO 1306 & BIO 1106                              | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |           |
| CHE 1301 & CHE 1101                              | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |           |
| CHE 1302 & CHE 1102                              | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |           |
| PHY 1408   | General Physics for Natural and Behavioral Sciences I                                 |           |
| PHY 1409   | General Physics for Natural and Behavioral Sciences II                                |           |
| PHY 1420   | General Physics I   |           |

|                            |  |           |
|----------------------------|--|-----------|
| PHY 1430                   | General Physics II   |           |
| No more than 4 hours from: |  |           |
| ANT 1404                   | Introduction to Human Evolution  |           |
| ANT 1407                   | Introduction to Archaeology  |           |
| AVS 1313                   | Introduction to Meteorology  |           |
| BUS 2222                   | Introduction to Energy Commerce  |           |
| CSI 1430                   | Introduction to Computer Science I with Laboratory                                 |           |
| ENV 1301 & ENV 1101        | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab) |           |
| <b>Total Hours</b>         |  | <b>35</b> |

### Geosciences - Secondary Major Requirements for a Secondary Major in Geosciences

| Code  | Title  | Hours        |
|---|--|--------------|
| Thirty-two semester hours including the following:          |  |              |
| <b>Required Courses</b>                                     |  |              |
| GEO 1306  | The Earth Through Time                               | 3            |
| or GEO 1307   | Evolution and Extinction                             |              |
| or GEO 1309   | Origins of Habitable Worlds                          |              |
| GEO 1106  | The Earth Through Time, Laboratory                   | 1            |
| GEO 1401  | Earthquakes and Other Natural Disasters <sup>1</sup> | 4            |
| or GEO 1402   | World Oceans   |              |
| or GEO 1405   | The Dynamic Earth                                    |              |
| GEO 3344  | Sedimentary Field Studies <sup>2</sup>               | 3-6          |
| or GEO 46C3   | Capstone Field Experience                            |              |
| GEO 3427  | Mineralogy   | 4            |
| GEO 3442  | Field Stratigraphy-Sedimentology                     | 4            |
| GEO 3445  | Structural Geology                                   | 4            |
| Nine semester hours of 3000-4000 level GEO courses          |  | 9            |
| A grade of "C" or better in GEO courses used for the major. |  |              |
| <b>Total Hours</b>  |  | <b>32-35</b> |

<sup>1</sup> Majors are encouraged to take GEO 1405 The Dynamic Earth.

<sup>2</sup> Equivalent alternate experiences may be approved by request to the department.

### Geosciences Minor Requirements for a Minor in Geosciences

| Code   | Title                                   | Hours |
|--|---|-------|
| Nineteen semester hours including the following: |   |       |
| <b>Required Courses</b>                          |   |       |
| GEO 1401   | Earthquakes and Other Natural Disasters | 4     |
| or GEO 1402                                      | World Oceans                            |       |
| or GEO 1405                                      | The Dynamic Earth                       |       |
| GEO 1306   | The Earth Through Time                  | 3     |
| or GEO 1307                                      | Evolution and Extinction                |       |
| or GEO 1309                                      | Origins of Habitable Worlds             |       |

|  |                                    |           |
|--|------------------------------------|-----------|
| GEO 1106                                 | The Earth Through Time, Laboratory | 1         |
| GEO 3344                                 | Sedimentary Field Studies          | 3         |
| or GEO 46C3                              | Capstone Field Experience          |           |
| Eight semester hours from the following: |                                    | 8         |
| GEO 3427                                 | Mineralogy                         |           |
| GEO 3442                                 | Field Stratigraphy-Sedimentology   |           |
| GEO 3445                                 | Structural Geology                 |           |
| <b>Total Hours</b>                       |                                    | <b>19</b> |

## Geophysics, B.S.

### Requirements for a Major in Geophysics

A B.S. degree in geophysics provides fundamental skills in solid earth geophysics, including seismic and potential field exploration and earthquake seismology.

| Code  | Title  | Hours |
|---|--|-------|
| Forty-six semester hours including the following:           |  |       |
| <b>Required Courses</b>                                     |  |       |
| GEO 1106  | The Earth Through Time, Laboratory   | 1     |
| GEO 1306  | The Earth Through Time   | 3     |
| or GEO 1307   | Evolution and Extinction   |       |
| Select four semester hours from the following:              |  | 4     |
| GEO 1401  | Earthquakes and Other Natural Disasters                                    |       |
| GEO 1402  | World Oceans   |       |
| GEO 1405  | The Dynamic Earth  |       |
| GEO 1309<br>& GEO 1109                                      | Origins of Habitable Worlds<br>and Origins of Habitable Worlds, Laboratory |       |
| GEO 3319  | Geophysics   | 3     |
| GEO 3427  | Mineralogy   | 4     |
| GEO 3442  | Field Stratigraphy-Sedimentology   | 4     |
| GEO 4341  | Introduction to Hydrology  | 3     |
| or GEO 4346   | Hydrogeology   |       |
| GEO 4455  | Introduction to Seismology   | 4     |
| GEO 4457  | Geophysical Exploration I  | 4     |
| GEO 4656  | Geophysical Field Training   | 6     |
| or GEO 46C3   | Capstone Field Experience  |       |
| Six semester hours of 4000 level GEO courses <sup>1</sup>   |  | 6     |
| <b>Additional Requirements</b>                              |  |       |
| A grade of "C" or better in GEO courses used for the major. |  |       |
| <b>Required Courses in Other Fields</b>                     |  |       |
| CHE 1301  | Basic Principles of Modern Chemistry I                                     | 3     |
| CSI 1430  | Introduction to Computer Science I with Laboratory                         | 4     |
| CSI 3324  | Numerical Methods  | 3     |
| MTH 1321  | Calculus I   | 3     |
| MTH 1322  | Calculus II  | 3     |
| MTH 2311  | Linear Algebra   | 3     |
| MTH 2321  | Calculus III   | 3     |
| MTH 3325  | Ordinary Differential Equations  | 3     |
| MTH 3326  | Partial Differential Equations   | 3     |
| PHY 1420  | General Physics I  | 4     |
| PHY 1430  | General Physics II   | 4     |

|  |  |              |
|--|--|--------------|
| PHY 2360   | Mathematical and Computational Physics | 3            |
| PHY 3320   | Intermediate Classical Mechanics       | 3            |
| or PHY 3330  | Intermediate Electricity and Magnetism |              |
| Any two 3000-4000 level courses or one four-hour course selected from GEO or the four fields above. These courses must be approved by the student's advisor. |  | 4-8          |
| <b>Total Hours</b>   |  | <b>88-92</b> |

<sup>1</sup> GEO 4487 Advanced GIS Analysis will not apply toward the major.

## Earth Science, B.A.

### Requirements for a Major in Earth Science

| Code  | Title  | Hours     |
|---|--|-----------|
| Thirty-four semester hours including the following: |  |           |
| <b>Required Courses</b>                             |  |           |
| GEO 1401  | Earthquakes and Other Natural Disasters <sup>1</sup>                         | 4         |
| or GEO 1402   | World Oceans   |           |
| or GEO 1405   | The Dynamic Earth  |           |
| GEO 1306<br>& GEO 1106                              | The Earth Through Time<br>and The Earth Through Time, Laboratory             | 4         |
| or GEO 1307<br>& GEO 1106                           | Evolution and Extinction<br>and The Earth Through Time, Laboratory           |           |
| GEO 3344  | Sedimentary Field Studies  | 3         |
| GEO 3427  | Mineralogy   | 4         |
| GEO 3435  | Invertebrate Paleontology  | 4         |
| GEO 3442  | Field Stratigraphy-Sedimentology   | 4         |
| GEO 3445  | Structural Geology   | 4         |
| GEO 4341  | Introduction to Hydrology  | 3         |
| or GEO 4346   | Hydrogeology   |           |
| GEO 4485  | Introduction to Geographic Information Systems                               | 4         |
| <b>Subtotal</b>                                     |  | <b>34</b> |
| <b>Required Courses in Other Fields</b>             |  |           |
| MTH 1321  | Calculus I   | 3         |
| or STA 1380   | Elementary Statistics  |           |
| PHY 1408  | General Physics for Natural and Behavioral Sciences I <sup>2</sup>           | 4         |
| or PHY 1420   | General Physics I  |           |
| or PHY 1455   | Descriptive Astronomy  |           |
| CHE 1300<br>& CHE 1100                              | Introductory Chemistry<br>and Introductory Chemistry Laboratory              | 4         |
| or CHE 1301<br>& CHE 1101                           | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I |           |
| <b>Total Hours</b>                                  |  | <b>45</b> |

<sup>1</sup> Majors are encouraged to take GEO 1405 The Dynamic Earth.

<sup>2</sup> Those without MTH 1321 Calculus I must take PHY 1455 Descriptive Astronomy.

The B.A. degree is **not** a professional degree in geology.

## Earth Science (Double Major with Environmental Studies), B.A.

### Requirements for a Major in Earth Science (Double Major with Environmental Studies)

| Code  | Title   | Hours     |
|---|---|-----------|
| Thirty-four semester hours including the following: |   |           |
| <b>Required Courses</b>                             |   |           |
| GEO 1401  | Earthquakes and Other Natural Disasters <sup>1</sup>            | 4         |
| or GEO 1402   | World Oceans  |           |
| or GEO 1405   | The Dynamic Earth   |           |
| GEO 1306 & GEO 1106                                 | The Earth Through Time and The Earth Through Time, Laboratory   | 4         |
| or GEO 1307 & GEO 1106                              | Evolution and Extinction and The Earth Through Time, Laboratory |           |
| GEO 3344  | Sedimentary Field Studies                                       | 3         |
| GEO 3427  | Mineralogy  | 4         |
| GEO 3435  | Invertebrate Paleontology                                       | 4         |
| GEO 3442  | Field Stratigraphy-Sedimentology                                | 4         |
| GEO 3445  | Structural Geology  | 4         |
| GEO 4341  | Introduction to Hydrology                                       | 3         |
| GEO 4485  | Introduction to Geographic Information Systems                  | 4         |
| <b>Subtotal</b>                                     |   | <b>34</b> |
| <b>Required Course in Other Field</b>               |   |           |
| ENV 4345  | Water Management  | 3         |
| <b>Total Hours</b>                                  |   | <b>37</b> |

<sup>1</sup> Majors are encouraged to take GEO 1405 The Dynamic Earth.

## Earth Science Minor

### Requirements for a Minor in Earth Science

| Code   | Title                                   | Hours        |
|--|---|--------------|
| Eighteen semester hours including the following: |   |              |
| <b>Required Courses</b>                          |   |              |
| GEO 1106   | The Earth Through Time, Laboratory      | 1            |
| GEO 1306   | The Earth Through Time                  | 3            |
| or GEO 1307                                      | Evolution and Extinction                |              |
| GEO 1401   | Earthquakes and Other Natural Disasters | 4            |
| or GEO 1402                                      | World Oceans                            |              |
| or GEO 1405                                      | The Dynamic Earth                       |              |
| Select one course from the following:            |   | 4-6          |
| GEO 3427   | Mineralogy                              |              |
| GEO 3435   | Invertebrate Paleontology               |              |
| GEO 3442   | Field Stratigraphy-Sedimentology        |              |
| GEO 46C3   | Capstone Field Experience               |              |
| Six semester hours of 3000-4000 GEO courses      |   | 6            |
| <b>Total Hours</b>                               |   | <b>18-20</b> |

## History

Majoring or minoring in history opens up an array of possible careers for students after graduation because the study of history provides critical knowledge of the institutions and values of the world in which we live. Moreover, an understanding of the past can influence one's ability to respond intelligently and effectively to the problems of the future. Whether you are interested in the history of the Greeks and Romans, or the Renaissance and Reformation, the History Department offers students a wide variety of courses from which to choose.

- History, B.A. (p. 155)
- History (Secondary History Education), B.A. (p. 156)
- Joint Bachelor of Arts in History/Master of Arts in Museum Studies (p. 157)
- Joint Bachelor of Arts/Master of Arts in Teaching (p. 157)
- History - Secondary Major (p. 157)
- History Minor (p. 157)
- Military Studies Minor (p. 158)

## History (HIS)

### HIS 1300 The United States in Global Perspective (3)

Introduction to history, historical thinking and the history of the United States within a global context, examining the ways a distinct American society developed within larger patterns of world history. Themes will vary by instructor but may include democracy, freedom and equality; global conflict; imperialism; industrialization and economic systems; migration and immigration; nationalism; and revolution.

### HIS 1305 World History to 1500 (3)

Principal civilizations of Asia, Africa, Europe, and the Americas from prehistory to about 1500 A.D., focusing on religious ideas, patterns of economic and cultural development, and artistic and literary achievements of these civilizations, as well as their influences on one another.

### HIS 1307 World History since 1500 (3)

History of major world civilizations and the growth of the modern global community as well as the spread of ideologies and cultures.

### HIS 1365 United States History to 1877 (3)

A chronological, thematic, and analytical study of the political, economic, social, cultural, and diplomatic history of the United States from colonial origins and early nationhood through the era of Reconstruction.

### HIS 1366 United States History since 1877 (3)

A chronological, thematic, and analytical study of the political, economic, social, cultural, and diplomatic history of the United States from the end of Reconstruction to the present.

### HIS 1V9R Research (3)

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

### HIS 2370 History of Warfare (3)

Military conflicts and practices throughout history and around the world with emphasis on broad strategy and tactics.

### HIS 2380 Introduction to Slavic and East European Studies I (3)

Cross-listed as SEES 2380  
See SEES 2380 for course information.

**HIS 2381 Introduction to Slavic and East European Studies (3)**

Cross-listed as SEES 2381

See SEES 2381 for course information.

**HIS 2385 Introduction to East Asia (3)**

Introduction to the history of East Asia from ancient times through today. Examines the interrelated histories of Korea, Japan, and China and their relationships with the wider world, including trade and cultural exchanges, reform and revolution, war, colonialism, Cold War geopolitics, and globalization.

**HIS 2390 Introduction to Women's and Gender History (3)**

Central debates in Women's and Gender History from European, American, and global perspectives. Provides theoretical background and analytical skills for advanced coursework.

**HIS 2395 History Workshop (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Historical thought and historiographical practice in the West from their emergence in the classical world to the present.

**HIS 2V89 Introduction to Model Organization of American States (1-3)**

Course prepares students for first-time participation in a Model Organization of American States simulation. Stresses historical and contemporary hemispheric issues. May be repeated for a total of six credit hours under different topics.

**HIS 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**HIS 3300 Methods of Oral and Public History (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Introduction to the diverse settings in which historians work, including historic preservation, heritage tourism, community history, documentary work, museums, historical societies, historical editing, government, and business, and the various approaches they utilize. Also familiarizes students with oral history theory and practice.

**HIS 3301 Internship in History (3)**

Pre-requisite(s): HIS 3300  
Internship at an institution or program engaged in public history. Applies themes, ideas, and issues covered in HIS 3300.

**HIS 3305 Traditional China (3)**

Cross-listed as AST 3305  
Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of Chinese history from its origins to 1700. Treatment of artistic, cultural, economic, literary, political, social and religious developments in China that have shaped East Asian civilizations.

**HIS 3306 Women and Gender in Chinese History (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Explores the history of women and gender in Modern China and the impact on that experience by factors such as class, ethnicity, and geography.

**HIS 3307 Japan (3)**

Cross-listed as AST 3307  
Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of the internal and external forces which have affected the development of Japanese civilization from ancient times to the twentieth century. Emphasis upon political, economic, and cultural developments which have shaped modern Japan.

**HIS 3308 Hitler and the Holocaust (3)**

Cross-listed as REL 3348

Pre-requisite(s): Six semester hours of history or consent of the instructor  
The rise of Adolf Hitler and the policies of war and extermination he pursued before and during World War II, as well as the suffering, complicity and responses of Jews and Christians within and after the Holocaust

**HIS 3310 The Middle East (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of Islamic civilization, especially under the Umayyad, Abbasid, and Ottoman empires; analysis of contemporary national, regional, and international problems with attention to the historical-geographical and political-geographical elements.

**HIS 3311 Middle East History 600 - 1798 (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Survey of Middle East history from the rise of Islam to Napoleon's invasion of Egypt in 1798.

**HIS 3314 Global Maritime History (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Exploration of maritime history from a global perspective, including interactions of economics, societies, militaries, transport, and technology with the maritime environment.

**HIS 3315 History of West Africa (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Introduction to West African history, culture, customs, and societies from the earliest times to 1975.

**HIS 3318 History of Modern Africa (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
History of Africa since the early nineteenth century and analysis of contemporary African issues in a wider historical context.

**HIS 3319 Women and Gender in Modern Africa (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
The social, political, economic, religious, and cultural experiences of women living in Africa from the pre-colonial era to today.

**HIS 3320 History of Childhood (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Global history of childhood from prehistory to the present, with an emphasis on the emergence of the modern concept of childhood.

**HIS 3322 Greek History and Civilization (3)**

Cross-listed as CLA 3302  
See CLA 3302 for course information.

**HIS 3323 Hellenistic History and Civilization (3)**

Cross-listed as CLA 3303  
See CLA 3303 for course information.

**HIS 3324 Roman History and Civilization (3)**

Cross-listed as CLA 3301  
History and culture of the ancient Romans from the founding of the city through the reign of Constantine ending in A.D. 337 with attention to literature, religion, political institutions, social issues, philosophy, and art.

**HIS 3325 The British Empire (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
The British Empire from its rise to decolonization.

**HIS 3332 Modern India (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of the philosophic, literary, religious, social, economic, and political history of India from the 18th century until today. Covers constituent elements that serve as the foundation for not only India, but for modern South Asia. Establishes a framework of critical analysis for issues of both historical and contemporary importance such as national identity, economic development, gender issues, and environmental sustainability.

**HIS 3333 Festivals of Renaissance Europe (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Examines festivals, spectacles, celebrations, rituals, and ceremonies of Renaissance Europe, revealing their roles in forging social identities, demonstrating power, and expressing emotion.

**HIS 3339 Byzantine History and Civilization (3)**

Cross-listed as CLA 3304

See CLA 3304 for course information.

**HIS 3340 Russia to 1861 (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A study of the historical, social, cultural, and intellectual currents of Russia.

**HIS 3342 Russia since 1861 (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A study of society, literature, history, and politics of the Russian Empire, the Soviet Union, and present post-communist Russia.

**HIS 3344 History of Modern Germany (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of the political, cultural, and economic development of German-speaking Central Europe since the eighteenth century.

**HIS 3353 Pre-Columbian and Colonial Latin America (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of pre-Columbian civilizations in the Americas and an examination of Spanish and Portuguese colonies. Emphasis will be given to Meso-American and Andean civilizations, the creation of colonial society, and the forces leading to the end of political colonialism in Latin America.

**HIS 3355 Modern Latin America (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of the evolution of Latin American countries since Independence. Emphasis will be placed on economic and social factors influencing national development and contemporary issues such as narcoterrorism, the debt crisis, liberation theology, the rights of indigenous peoples, the ecology, and hyper-urbanization.

**HIS 3360 History of the American Presidency (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of the presidency and the presidents. Subjects include backgrounds, parties and elections, ratings of presidents, selected case studies, and the vice presidency.

**HIS 3362 History of Religion in America (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of religion from the period of discovery to the present with emphasis on the diversity of American religion, the origin and development of major denominations, and the interaction of religion and society.

**HIS 3370 Slavery in Film (3)**

Examines the history of slavery in the United States and how that history has been portrayed in feature films, television series, and documentaries in the twentieth and twenty-first centuries.

**HIS 3371 History of Black Americans (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of the history of black Americans from their African origins to the present. Emphasis will be given to the economic, social, and political impact of the presence of black people in the American colonies and the United States; attention will be given to the institution of slavery, the emancipation movement, the rise of segregation, black nationalism, and the ideologies and personalities of the civil rights movement.

**HIS 3380 History of Texas (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
The political, economic, and social history of Texas in its regional setting in the American Southwest from the period of colonization to the present.

**HIS 3384 History of Indigenous Peoples of America (3)**

A history of indigenous peoples in the Americas, focusing on the area known now as the continental United States.

**HIS 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**HIS 4300 History of Medicine (3)**

Cross-listed as MH 4300, PHI 4300

See MH 4300 for course information.

**HIS 4305 Modern China (3)**

Cross-listed as AST 4305

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A history of China from 1700 to the present that considers cultural, economic, literary, political, social, and religious developments. Emphasis will be given to the late imperial state, the Chinese heritage, decline, conflict with the West, revolution, and modernization.

**HIS 4312 Modern Middle East History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Political, religious, intellectual and social transformations in the Middle East during the nineteenth and twentieth centuries.

**HIS 4313 War and Peace in the Middle East (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The interaction of policy, military force, and society in the waging of war and the quest for peace and security in the Middle East.

**HIS 4316 The African Diaspora (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The history of peoples of African descent in the Diaspora worldwide.

**HIS 4325 The Vikings (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Focuses on Viking life, culture, trade, and migrations from AD 790 to 1100. Includes methods and applications of interdisciplinary research, particularly emphasizing the potential of archaeology to make contributions to historical studies.

**HIS 4326 Early Medieval Europe, c. 300-1000 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor; and upper-level standing  
Emergence of medieval civilization through the blending of Roman, Christian, and Germanic institutions, customs, and beliefs.

**HIS 4327 High Middle Ages, c. 1000-1450 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A study of the flowering of medieval civilization, with emphasis on the medieval church and the origins of the modern state.



**HIS 4328 Medieval Britain (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor; and upper-level standing

Medieval British history, emphasizing the development of parliament and the common law; the medieval church in the British Isles; the social impact of warfare; the demographic impact of famine and plague in England and Britain.

**HIS 4329 The Renaissance and Reformation (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The political, economic, intellectual, artistic, and religious upheavals in Europe from the thirteenth through the sixteenth centuries and the resulting social, political, religious, and cultural changes.

**HIS 4330 Medieval Mediterranean World (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor; and upper-level standing

The Medieval Mediterranean as a global region, highlighting the various connections and cultural hybridities that linked peoples of Europe, Africa, and "Asia" (now called the Middle East).

**HIS 4331 European Expansion, 1400-1800 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The development and maintenance of permanent contacts by Europeans with other peoples and cultures around the world between the late Middle Ages and the turn of the 19th century.

**HIS 4332 Early Modern Europe (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A history of Europe from the age of absolutism to the enlightenment. Emphasis will be upon the major political, economic, social, cultural, scientific, and intellectual developments of the seventeenth and eighteenth centuries.

**HIS 4333 French Revolution and Napoleon (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Background and history of the French Revolution; relatively brief consideration of the effects of the Revolution and Napoleon upon Europe.

**HIS 4334 A History of Women in Europe to 1200 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
From ancient Greece to the early medieval world, this course examines the status and roles of women in European society—the ideas, customs, and laws that affected the lives of women as well as the roles that women performed. We also explore how women both contributed to European culture and society and were prevented from realizing their full potential.

**HIS 4335 A History of Women in Europe since 1200 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A study of the status and roles of women in European society from the Crusades through World War I.

**HIS 4336 Europe since World War I (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Problems of peace making and international organization; rise of Fascism and Communism; background and history of World War II.

**HIS 4337 Europe from 1815 to 1914 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Political, social, and economic development of the European nations from the Congress of Vienna to the outbreak of the First World War; the rise of liberalism and growth of nationalism; imperialism and the development of international rivalry.

**HIS 4338 Cultural and Intellectual History of Europe through the Seventeenth Century (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
History of ideas and their social and economic background from Classical Greece through the Baroque period. Course includes Greek and Roman philosophy, Early Christianity and Scholasticism, the Renaissance, the Reformation, the Scientific Revolution, and the idea of a mechanistic universe. Considerable emphasis on literature; some attention to art and music.

**HIS 4339 Cultural and Intellectual History of Modern Europe (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
History of ideas and their social and economic background from the Enlightenment to the present. Course includes study of Enlightenment philosophy (Reason, Nature, God, and Man), Romanticism, Democratic theory and Marxism, Idealism, Darwinism, Fascism, and Existentialism. Considerable emphasis on literature; some attention to art and music.

**HIS 4340 Special Topics in History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Study in a specialized area of history not covered by regular course offerings. May be repeated once for credit provided topic is different.

**HIS 4341 Tudor-Stuart Britain (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor; and upper-level standing  
The history of Britain under the Tudor and Stuart dynasties.

**HIS 4343 France since 1815 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Major topics in French history from Waterloo to the present day, including the Bourbon Restoration, the revolutions of 1830 and 1848, the Second Empire, republicanism, colonialism, the world wars, and Gaullism.

**HIS 4345 Britain in the Nineteenth Century (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor; and upper-level standing  
The political, social, and economic history of Britain from the end of the Napoleonic War to the beginning of the First World War.

**HIS 4346 Britain in the Twentieth Century (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor; and upper-level standing  
The political, social, and economic history of Britain from the beginning of the First World War to the end of the first Blair government.

**HIS 4348 Reading Course in European History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A tutorial course for undergraduates with intensive study of a given period or topic in European history. The nature and precise limits of the study will be established after consultation between professor and student. No student may take more than one history reading course in a given semester. A maximum of six semester hours of reading courses may apply toward a history major.

**HIS 4350 The History of Gender in Latin America (3)**

Cross-listed as LAS 4351

Pre-requisite(s): Prerequisite(s): Nine semester hours of history or consent of instructor; and upper-level standing  
The history of the construction of gender and gender relations from pre-Columbian societies to contemporary Latin America. Special emphasis will be given to the creation of archetypes and the contrast between legal codes and realities across time, race, class and regional divides.

**HIS 4354 Religion and War in U.S. History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The dynamic relationship between religion and war throughout American history. Coverage stresses, but extends beyond, the Christian faith and traditions.

**HIS 4357 Inter-American Relations (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A history of the evolution of Inter-American relations from colonization to the contemporary development of regional economic blocs. Topics will include relations among the American colonies, efforts at unification after independence, the expanding role of the United States in hemispheric relations and the Latin-American reaction, and the evolution of regionalism in the hemisphere.

**HIS 4358 Reading Course in Global History (3)**

Pre-requisite(s): Nine semester hours of history or the consent of instructor

A tutorial course for undergraduates with intensive study of a given period or topic in Global history. The nature and precise limits of the study will be established after consultation between professor and student. May be repeated once with a change of contents for a total of six credit hours.

**HIS 4362 American Colonial History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The settlement, growth, and development of Anglo-American colonies in North America.

**HIS 4363 American Revolution and Constitution (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The creation of an American nation out of thirteen colonies. Topics include the social, economic, political, and ideological roots of the colonists' resistance to imperial power, the decisions for revolution and independence, the fighting of the Revolutionary War, the rise and fall of the Confederation, and the drafting and ratification of the Constitution.

**HIS 4365 The Early Republic, 1789-1860 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
An overview of the challenges related to creating the new nation of the United States including political, diplomatic, social, economic, and cultural issues and controversies.

**HIS 4366 American Legal History to 1877 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A survey of legal and constitutional documents, ideas, cases, and debates, in American history from the colonial era to 1877.

**HIS 4368 Civil War and Reconstruction (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Causes, military operations, and aftermath of the American Civil War.

**HIS 4369 Religion in America, 1877-Present (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Religion in America from the end of Reconstruction to the present. Special attention devoted to religion's intersection with culture and politics and to the growth of religious pluralism in America.

**HIS 4371 United States, 1877-1920 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Major economic, social, and political developments in the United States within the prescribed chronological limits, with secondary emphasis on the rise of the United States as a world power and its involvement in World War I. Primary emphasis given to industrialization, the farmer revolt, the Progressive Movement, and the ramifications of these events in politics and society.

**HIS 4374 United States since 1920 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Continuation of HIS 4371 with emphasis on the post-Progressive decade, the Great Depression, the New Deal, and domestic developments since the New Deal. Of secondary emphasis is the coming of World War II and the consequent rise and development of the Cold War.

**HIS 4375 The American Civil Rights Movement (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The origins, major events, and legacy of the struggle to gain full equality for African Americans in the century following the American Civil War. Emphasis on the philosophies and strategies employed to realize full citizenship rights for blacks, individual and institutional leadership, the participation of women, the role of religion, and the impact of this social justice movement on the South, the United States, and the world. (Graduate students may not receive credit for both HIS 4375 and HIS 5375.)

**HIS 4377 History of the American Woman, 1600-1865 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Women's history in America from the colonial period to the end of the Civil War, emphasizing the changing roles of women and their contribution to and participation in American society.

**HIS 4378 History of the American Woman Since 1865 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A social, political, and economic survey of women in the United States from the end of the Civil War to the present, emphasizing the women's movement and its influence on American society.

**HIS 4379 The Cold War (3)**

Cross-listed as SEES 4379

Pre-requisite(s): Nine semester hours of history or consent of instructor  
History of global conflict between the United States and the Soviet Union from 1941 to 1991 including cultural, social, economic, political, and religious aspects.

**HIS 4380 The American West (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The frontier in American history from early colonial times to the end of the nineteenth century, with emphasis on the significance of the frontier in American history and historiography.

**HIS 4383 History of the South (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Southern culture with three topics in the ante-bellum period and three topics in the post-bellum period.

**HIS 4385 The United States in the 1960s (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The political, economic, social, cultural, and diplomatic development of the United States in the 1960s.

**HIS 4386 The City in American History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Emergence, expansion, and impact of urban growth in America from colonial times to the present. Emphasis given to the mechanics of city building, the social, economic, political, and cultural dimensions of urban development and the changing image of the city in the minds of the American people.

**HIS 4388 American Environmental History (3)**

Cross-listed as ENV 4389

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Investigation of the physical, social, cultural, and economic relationships between humans and their environment in America from pre-contact to the present.

**HIS 4390 U.S. Foreign Relations to 1919 (3)**

Pre-requisite(s): Nine semester hours or consent of instructor  
The foundations of U.S. diplomacy with particular emphasis on transnational influences, e.g. democracy, gender, trade, slavery, race, and imperialism.

**HIS 4391 The Vietnam War (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Overview of the origins, course, and legacy of the US experience in the Vietnam War.

**HIS 4392 U.S. Foreign Relations since 1919 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The emergence of the United States as a global power, with emphasis on ideology, economics, race, religion, and militarism.

**HIS 4393 American Military History to 1890 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Major military conflicts in North America from European colonization to the close of the Plains Indians Wars.

**HIS 4394 American Military History since 1890 (3)**

Pre-requisite(s): 9 semester hours of history or consent of instructor  
Major military conflicts in United States history from the Spanish-American War to the present day.

**HIS 4395 History of American Thought, 1630-1859 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Enduring beliefs about and attitudes toward the world and themselves held by Americans. Emphasis on patterns of beliefs as bases for assurance and commitment. From Puritans through transcendentalists.

**HIS 4396 History of American Thought, 1859 to Present (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Beliefs Americans have relied on to define and comprehend the world and themselves. Emphasis on what Americans needed and were able to believe in their search for assurance from the naturalism of the Gilded Age to the personal experiential quest of the present.

**HIS 4398 Reading Course in American History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A tutorial course for undergraduates with intensive study of a given period or topic in American history. The nature and precise limits of the study will be established after consultation between professor and student. No student may take more than one history reading course in a given semester. A maximum of six semester hours of reading courses may apply toward a history major.

**HIS 4V89 Advanced Model Organization of American States (1-3)**

Cross-listed as PSC 4V89

Pre-requisite(s): HIS 2V89

Course prepares advanced students for leadership roles in a Model Organization of American States simulation. May be repeated for a total of six credit hours under different topics.

**HIS 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## History, B.A.

### Requirements for a Major in History

| Code   | Title | Hours |
|--|-------|-------|
| Thirty-six semester hours, nine of which must be at the 4000-level, including the following: |       |       |

| Required Courses   |                                  |           |
|--|----------------------------------|-----------|
| HIS 1305   | World History to 1500            | 3         |
| HIS 1307   | World History since 1500         | 3         |
| HIS 1365   | United States History to 1877    | 3         |
| HIS 1366   | United States History since 1877 | 3         |
| HIS 2395   | History Workshop                 | 3         |
| Six semester hours from <b>each</b> of the following subgroups:  |                                  | 18        |
| European History ( <a href="https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/history/history-ba/us/european/">https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/history/history-ba/us/european/</a> ) |                                  |           |
| Global History ( <a href="https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/history/history-ba/global/">https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/history/history-ba/global/</a> )             |                                  |           |
| U.S. History (p. 155)  |                                  |           |
| Three semester hours of HIS courses  |                                  | 3         |
| Additional Requirements  |                                  |           |
| Students completing World Cultures I, II, III, and IV in the Baylor Interdisciplinary Core receive credit toward the major by petition. <sup>2</sup>   |                                  |           |
| A grade of "C" or better must be earned in HIS courses used for the major. <sup>3</sup>  |                                  |           |
| <b>Total Hours</b>   |                                  | <b>36</b> |

<sup>1</sup> Excluding HIS 1300 The United States in Global Perspective

<sup>2</sup> For HIS 1305 World History to 1500 and HIS 1307 World History since 1500

<sup>3</sup> HIS 1300 The United States in Global Perspective does not calculate into the major grade point average.

*The department strongly recommends that all history majors take a fourth semester language course, as well as electives in other humanities and social science fields.*

## History Subfield

### U.S. History

| Code           | Title                                    | Hours |
|----------------|--|-------|
| Course Options |  |       |
| HIS 3300       | Methods of Oral and Public History       | 3     |
| HIS 3301       | Internship in History                    | 3     |
| HIS 3360       | History of the American Presidency       | 3     |
| HIS 3362       | History of Religion in America           | 3     |
| HIS 3370       | Slavery in Film                          | 3     |
| HIS 3371       | History of Black Americans               | 3     |
| HIS 3380       | History of Texas                         | 3     |
| HIS 3384       | History of Indigenous Peoples of America | 3     |
| HIS 4354       | Religion and War in U.S. History         | 3     |
| HIS 4362       | American Colonial History                | 3     |
| HIS 4363       | American Revolution and Constitution     | 3     |
| HIS 4365       | The Early Republic, 1789-1860            | 3     |
| HIS 4366       | American Legal History to 1877           | 3     |
| HIS 4368       | Civil War and Reconstruction             | 3     |
| HIS 4369       | Religion in America, 1877-Present        | 3     |
| HIS 4371       | United States, 1877-1920                 | 3     |

|          |  |   |
|----------|--|---|
| HIS 4374 | United States since 1920                     | 3 |
| HIS 4375 | The American Civil Rights Movement           | 3 |
| HIS 4377 | History of the American Woman, 1600-1865     | 3 |
| HIS 4378 | History of the American Woman Since 1865     | 3 |
| HIS 4379 | The Cold War                                 | 3 |
| HIS 4380 | The American West                            | 3 |
| HIS 4383 | History of the South                         | 3 |
| HIS 4385 | The United States in the 1960s               | 3 |
| HIS 4386 | The City in American History                 | 3 |
| HIS 4388 | American Environmental History               | 3 |
| HIS 4391 | The Vietnam War                              | 3 |
| HIS 4392 | U.S. Foreign Relations since 1919            | 3 |
| HIS 4393 | American Military History to 1890            | 3 |
| HIS 4394 | American Military History since 1890         | 3 |
| HIS 4395 | History of American Thought, 1630-1859       | 3 |
| HIS 4396 | History of American Thought, 1859 to Present | 3 |
| HIS 4398 | Reading Course in American History           | 3 |

## History Subfield

### European History

| Code                   | Title   | Hours |
|------------------------|---|-------|
| <b>Course Options:</b> |   |       |
| HIS 3308               | Hitler and the Holocaust  | 3     |
| HIS 3322               | Greek History and Civilization  | 3     |
| HIS 3324               | Roman History and Civilization  | 3     |
| HIS 3325               | The British Empire  | 3     |
| HIS 3333               | Festivals of Renaissance Europe   | 3     |
| HIS 3339               | Byzantine History and Civilization  | 3     |
| HIS 3340               | Russia to 1861  | 3     |
| HIS 3342               | Russia since 1861   | 3     |
| HIS 3344               | History of Modern Germany   | 3     |
| HIS 4325               | The Vikings   | 3     |
| HIS 4326               | Early Medieval Europe, c. 300-1000  | 3     |
| HIS 4327               | High Middle Ages, c. 1000-1450  | 3     |
| HIS 4328               | Medieval Britain  | 3     |
| HIS 4329               | The Renaissance and Reformation   | 3     |
| HIS 4331               | European Expansion, 1400-1800   | 3     |
| HIS 4332               | Early Modern Europe   | 3     |
| HIS 4333               | French Revolution and Napoleon  | 3     |
| HIS 4334               | A History of Women in Europe to 1200  | 3     |
| HIS 4335               | A History of Women in Europe since 1200                                     | 3     |
| HIS 4336               | Europe since World War I  | 3     |
| HIS 4337               | Europe from 1815 to 1914  | 3     |
| HIS 4338               | Cultural and Intellectual History of Europe through the Seventeenth Century | 3     |
| HIS 4339               | Cultural and Intellectual History of Modern Europe                          | 3     |
| HIS 4341               | Tudor-Stuart Britain  | 3     |
| HIS 4343               | France since 1815   | 3     |
| HIS 4345               | Britain in the Nineteenth Century   | 3     |
| HIS 4346               | Britain in the Twentieth Century  | 3     |

|          |                                    |   |
|----------|------------------------------------|---|
| HIS 4348 | Reading Course in European History | 3 |
| HIS 4379 | The Cold War                       | 3 |

## History Subfield

### Global History - African, Asian, Latin American, and Middle Eastern

| Code                   | Title   | Hours |
|------------------------|---|-------|
| <b>Course Options:</b> |   |       |
| HIS 2V89               | Introduction to Model Organization of American States | 1-3   |
| HIS 3305               | Traditional China                                     | 3     |
| HIS 3306               | Women and Gender in Chinese History                   | 3     |
| HIS 3307               | Japan   | 3     |
| HIS 3310               | The Middle East                                       | 3     |
| HIS 3311               | Middle East History 600 - 1798                        | 3     |
| HIS 3314               | Global Maritime History                               | 3     |
| HIS 3315               | History of West Africa                                | 3     |
| HIS 3318               | History of Modern Africa                              | 3     |
| HIS 3319               | Women and Gender in Modern Africa                     | 3     |
| HIS 3320               | History of Childhood                                  | 3     |
| HIS 3332               | Modern India  | 3     |
| HIS 3353               | Pre-Columbian and Colonial Latin America              | 3     |
| HIS 3355               | Modern Latin America                                  | 3     |
| HIS 4305               | Modern China  | 3     |
| HIS 4312               | Modern Middle East History                            | 3     |
| HIS 4313               | War and Peace in the Middle East                      | 3     |
| HIS 4316               | The African Diaspora                                  | 3     |
| HIS 4330               | Medieval Mediterranean World                          | 3     |
| HIS 4350               | The History of Gender in Latin America                | 3     |
| HIS 4357               | Inter-American Relations                              | 3     |
| HIS 4358               | Reading Course in Global History                      | 3     |
| HIS 4V89               | Advanced Model Organization of American States        | 1-3   |

## History (Secondary History Education Concentration)

### Requirements for a Major in History (Secondary History Education Concentration)

This program is designed for students interested in history education and certification to teach secondary history.

| Code   | Title                            | Hours |
|--|----------------------------------|-------|
| Thirty-six semester hours, nine of which must be at the 4000-level, including the following: |                                  |       |
| <b>Required Courses</b>  |                                  |       |
| HIS 1305   | World History to 1500            | 3     |
| HIS 1307   | World History since 1500         | 3     |
| HIS 1365   | United States History to 1877    | 3     |
| HIS 1366   | United States History since 1877 | 3     |



|  |  |           |
|--|--|-----------|
| HIS 2395   | History Workshop   | 3         |
| Six semester hours from <b>each</b> of the following subgroups:  |  | 18        |
| European History ( <a href="https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/history/history-ba/us/european/">https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/history/history-ba/us/european/</a> ) |  |           |
| Global History ( <a href="https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/history/history-ba/global/">https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/history/history-ba/global/</a> )             |  |           |
| U.S. History (p. 155)  |  |           |
| Three semester hours of HIS courses <sup>1</sup>   |  | 3         |
| <b>Additional Requirements</b>   |  |           |
| Students completing World Cultures I, II, III, and IV in the Baylor Interdisciplinary Core receive credit toward the major by petition. <sup>2</sup>   |  |           |
| A grade of "C" or better must be earned in HIS courses used for the major. <sup>3</sup>  |  |           |
| <b>Subtotal</b>  |  | <b>36</b> |
| <b>Required Courses in Other Fields</b>  |  |           |
| TED 2112   | Instructional Technology Lab II                                | 1         |
| TED 2340   | Teaching in Secondary Schools                                  | 3         |
| TED 3340   | Teaching Associate Secondary Part I                            | 3         |
| TED 3341   | Teaching Associate Secondary Part II                           | 3         |
| TED 3385   | Secondary Social Studies Practicum I                           | 3         |
| TED 3386   | Secondary Social Studies Practicum II                          | 3         |
| TED 4341   | Social Studies Curriculum                                      | 3         |
| TED 4640 & TED 4641  | Internship Secondary Part I and Internship Secondary Part II   | 12        |
| or TED 4642 & TED 4643   | Internship Secondary Part III and Internship Secondary Part IV |           |
| A grade of "B" or better must be earned in all TED courses. Students must maintain an overall GPA of 2.75 or higher for certification.   |  |           |
| <b>Total Hours</b>   |  | <b>67</b> |

<sup>1</sup> Excluding HIS 1300 The United States in Global Perspective

<sup>2</sup> For HIS 1305 World History to 1500 and HIS 1307 World History since 1500

<sup>3</sup> HIS 1300 The United States in Global Perspective does not calculate into the major grade point average.

*The department strongly recommends that all history majors take a fourth semester language course, as well as electives in other humanities and social science fields.*

## Joint Bachelor of Arts in History/ Master of Arts in Museum Studies

To earn a joint BA in History/MA in Museum Studies, a student must complete all requirements for the BA degree with a major in History, as well as additional coursework at the graduate level. (See the Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/museum-studies/joint-ba-select-majorsma-museum-studies/>) for details of graduate requirements, including eligibility and admissions.)

## Joint Bachelor of Arts/Master of Arts in Teaching (with Teacher Certification)

To earn the joint BA/MAT in History, a student must complete all basic requirements for the BA degree with a major in History, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission).

## History - Secondary Major Requirements for a Secondary Major in History

| Code   | Title                            | Hours     |
|--|----------------------------------|-----------|
| Thirty-three semester hours, nine of which must be at the 4000-level, including the following: <sup>1</sup>  |                                  |           |
| <b>Required Courses</b>  |                                  |           |
| HIS 1305   | World History to 1500            | 3         |
| HIS 1307   | World History since 1500         | 3         |
| HIS 1365   | United States History to 1877    | 3         |
| HIS 1366   | United States History since 1877 | 3         |
| HIS 2395   | History Workshop                 | 3         |
| Six semester hours from <b>each</b> of the following subgroups:  |                                  | 18        |
| European History ( <a href="https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/history/history-ba/us/european/">https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/history/history-ba/us/european/</a> ) |                                  |           |
| Global History ( <a href="https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/history/history-ba/global/">https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/history/history-ba/global/</a> )             |                                  |           |
| U.S. History (p. 155)  |                                  |           |
| Students completing World Cultures I, II, III, and IV in the Baylor Interdisciplinary Core receive credit toward the major by petition. <sup>2</sup>   |                                  |           |
| A grade of "C" or better must be earned in HIS courses used for the major. <sup>1</sup>  |                                  |           |
| <b>Total Hours</b>   |                                  | <b>33</b> |

<sup>1</sup> HIS 1300 The United States in Global Perspective does not fulfill requirements for the secondary major and does not calculate into the major grade point average.

<sup>2</sup> For HIS 1305 World History to 1500 and HIS 1307 World History since 1500

*The department strongly recommends that all history majors take a fourth semester language course, as well as electives in other humanities and social science fields.*

## History Minor Requirements for a Minor in History

| Code   | Title | Hours |
|--|-------|-------|
| Eighteen semester hours including the following: |       |       |
| <b>Required Courses</b>                          |       |       |



|  |   |    |
|--|---|----|
| Nine semester hours from the following:  |   | 9  |
| HIS 1300   | The United States in Global Perspective |    |
| HIS 1305   | World History to 1500                   |    |
| HIS 1307   | World History since 1500                |    |
| HIS 1365   | United States History to 1877           |    |
| HIS 1366   | United States History since 1877        |    |
| Nine semester hours of 3000-4000 HIS courses   |   | 9  |
| Students completing World Cultures I, II, III, and IV in the Baylor Interdisciplinary Core receive credit toward the minor by petition. <sup>1</sup> |   |    |
| Total Hours  |   | 18 |

<sup>1</sup> For HIS 1305 World History to 1500 and HIS 1307 World History since 1500

# Military Studies Minor

## Requirements for a Minor in Military Studies

| Code   | Title  | Hours |
|--|--|-------|
| Eighteen semester hours including the following:                           |  |       |
| Required Courses   |  |       |
| HIS 2370   | History of Warfare   | 3     |
| Three semester hours of History of War courses from the following:         |  | 3     |
| HIS 4313   | War and Peace in the Middle East   |       |
| HIS 4354   | Religion and War in U.S. History   |       |
| HIS 4363   | American Revolution and Constitution                                       |       |
| HIS 4368   | Civil War and Reconstruction   |       |
| HIS 4379   | The Cold War   |       |
| HIS 4391   | The Vietnam War  |       |
| HIS 4393   | American Military History to 1890  |       |
| HIS 4394   | American Military History since 1890                                       |       |
| Three semester hours of International Politics courses from the following: |  | 3     |
| PSC 3315   | Fundamentals of International Politics                                     |       |
| PSC 3325   | Ethnopolitical Conflicts   |       |
| PSC 3335   | Contemporary American Foreign Policy: An Examination of Regions and Issues |       |
| PSC 3355   | The Causes of War  |       |
| PSC 4316   | Grand Strategy   |       |
| PSC 4346   | Intelligence and Covert Action   |       |
| PSC 4355   | Power, Morality, and International Relations                               |       |
| PSC 4385   | Diplomacy in Theory and Practice   |       |
| PSC 4396   | International Studies Senior Seminar                                       |       |
| Nine semester hours from the following:                                    |  | 9     |
| AS 4301  | National Security  |       |
| CLA 3350   | Ancient Warfare  |       |
| JOU 3367   | Principles of Advertising and Public Relations                             |       |
| JOU 3372   | Writing for Media Markets  |       |
| JOU 4380   | Law and Ethics of Journalism   |       |
| REL 3394   | War and Peace in the Christian Tradition                                   |       |

|   |    |
|---|----|
| Courses not used to fulfill a requirement in History of War or International Politics |    |
| Total Hours   | 18 |

## Humanities Research Fellows

Humanities Research Fellows is a cohort-based program gathered around an interdisciplinary group of faculty. These outstanding faculty members are dedicated to helping high-ability students build individualized courses of study that are **focused**, **flexible**, and grounded by **research-based continuity**.

With a focus on the contemporary importance of the humanities for understanding and engaging the major challenges we face today, Humanities Research Fellows majors will also have the opportunity to explore cutting-edge interdisciplinary developments in digital humanities, medical humanities, public humanities, and environmental humanities. The major is flexible enough to serve those seeking to go on to medical or law school while remaining focused on the human flourishing those professions are designed to champion.

### Focused

The Humanities Research Fellows major is focused on the contemporary importance of the humanities for understanding and engaging the major challenges we face today. To facilitate a common conversation within the cohort, students take a common core that builds a solid general humanities foundation.

### Flexible

Humanities Research Fellows have exceptional flexibility in selecting the trajectory of their coursework and research:

- **At least 42 hours of humanities electives can be taken** in Art and Art History, Classics, Communications, English, Film and Digital Media, Great Texts, History, Modern Languages and Cultures, Philosophy, Religion, and Theatre.
- **An additional 47 hours of electives are entirely open**, which can be organized either around a student's interest in a particular theme or topic or to satisfy the requirements of a second major.

### Research-based

Fellows in the program share a series of courses that prepare them for individualized research, beginning with a special section of English 1310 (Writing and Academic Inquiry) in the first year and a Humanities Lab in the second year -- all of which culminates in a Humanities Capstone research project in the final year. Throughout the program, a faculty team advises and assists students in finding research opportunities with appropriate faculty across the humanities.

## Requirements for a Major in Humanities Research Fellows

The requirement for minimum hours for the degree, advanced credit, and residence are the same as for the Bachelor of Arts degree.

| Code                    | Title                    | Hours |
|-------------------------|--------------------------|-------|
| Basic Requirements      |                          |       |
| Chapel                  |                          |       |
| Two semesters of Chapel |                          |       |
| Common Courses          |                          |       |
| REL 1310                | The Christian Scriptures | 3     |
| REL 1350                | The Christian Heritage   | 3     |

|          |  |   |
|----------|--|---|
| HIS 1300 | The United States in Global Perspective  | 3 |
| ENG 2310 | American Literary Cultures   | 3 |
| PSC 1387 | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3 |

**Creative Arts Experience**

Attend twelve events

Students are required to attend 12 approved events with at least 2 events from each of the following categories: Art, Film, Music, Theatre, and Literature/World Cultures.

**Formal Reasoning** 3

|          |                         |
|----------|-------------------------|
| MTH 1301 | Ideas in Mathematics    |
| MTH 1320 | Precalculus Mathematics |
| MTH 1321 | Calculus I              |
| STA 1380 | Elementary Statistics   |

**Scientific Method** 4

|                     |   |
|---------------------|---|
| ANT 1404            | Introduction to Human Evolution   |
| ANT 1407            | Introduction to Archaeology   |
| BIO 1305 & BIO 1105 | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |
| BIO 1306 & BIO 1106 | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |
| BIO 1401            | Current Issues in Human Biology   |
| BIO 1405            | Investigations of Modern Biology Concepts I   |
| BIO 1406            | Investigations of Modern Biology Concepts II  |
| CHE 1301 & CHE 1101 | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |
| CHE 1302 & CHE 1102 | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |
| ENV 1301 & ENV 1101 | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)    |
| ENV 1303 & ENV 1103 | Wildlife Ecology and Wildlife Ecology Laboratory Exercises                            |
| GEO 1401            | Earthquakes and Other Natural Disasters   |
| GEO 1402            | World Oceans  |
| GEO 1405            | The Dynamic Earth   |
| GEO 1410            | Gems and Minerals   |
| NSC 1306 & NSC 1106 | Introduction to Neuroscience and Introduction to Neuroscience Laboratory              |
| PHY 1404            | Light, Vision and Optics  |
| PHY 1405            | Everyday Physics  |
| PHY 1407            | Sound and Acoustics   |
| PHY 1408            | General Physics for Natural and Behavioral Sciences I                                 |
| PHY 1409            | General Physics for Natural and Behavioral Sciences II                                |
| PHY 1420            | General Physics I   |
| PHY 1430            | General Physics II  |
| PHY 1455            | Descriptive Astronomy   |
| PHY 2455            | Foundations of Astronomy  |

**Foreign Language and Culture (Two to Four Courses)** 6-12

Complete one Modern or Classical language through the 2320 level. To meet this requirement, students must (1) attain an appropriate level of proficiency and (2) complete at least 6 hours in residence, which can be selected from the A&S Foreign Language and Cultures Distribution List.

**Subtotal** 28-34**Humanities Research Fellows Requirements**

|          |   |   |
|----------|---|---|
| ENG 1310 | Writing and Academic Inquiry Seminars             | 3 |
| PPS 1100 | Introduction to Citizenship and Community Service | 1 |

|         |                |   |
|---------|----------------|---|
| HF 2301 | Humanities Lab | 3 |
|---------|----------------|---|

|                     |   |
|---------------------|---|
| Humanities Capstone | 3 |
|---------------------|---|

**Required Minors/Certificates** 36**Option One**

Complete two eighteen hour minors chosen from the following departments: Art and Art History, Classics, Communications, English, Film and Digital Media, History, Modern Languages and Cultures, Philosophy, Religion, and Theatre

**Option Two**

Complete One eighteen-hour minor (from the following departments: Art and Art History, Classics, Communications, English, Film and Digital Media, History, Modern Languages and Cultures, Philosophy, Religion, and Theatre) and one twelve-hour Arts & Sciences certificate. If this option is selected, six hours of additional humanities electives must be completed.

**Total Hours** 74-80

## Humanities Research Fellows

**HF 2301 Humanities Lab (3)**

Pre-requisite(s): Humanities Fellows major only

An interdisciplinary, team-taught course organized around a central theme designed to introduce various approaches to research in the humanities.

## Journalism, Public Relations and New Media

The journalism, public relations, and new media department is one of only 114 programs in the United States accredited by the Accrediting Council on Education in Journalism and Mass Communication. Journalism transmits and interprets events and binds society together, making it among the most vital forces in the maintenance of any society and fundamental to democratic government and a free society. Our goals are to provide a high-quality education for demanding communications professions (**print, broadcast and the internet, public relations, international communication, photojournalism, graphic arts, advertising, new media, and newspaper and magazine production**); to instruct non-majors in the mechanics of and the reasons for contemporary journalism practice; to provide high quality academic and career counseling; to provide useful services to journalists and other professional communicators in our region; to conduct research in journalism and mass communication; to serve society and the Christian church by educating enlightened, ethical, well-prepared journalists and other communicators, and to stimulate and participate in professional development and research designed to enlarge our understanding of communication in society and in the Christian faith. The program is built on a large liberal arts background. A summer study abroad program in

Budapest, the Baylor in Washington program, and the Baylor in New York program offer academic and internship opportunities away from campus.

The student professional must complete a core of courses that provides basic skills necessary for work in journalism and media and other communication fields. From that point, the student can choose a variety of advanced courses that allow specialization in particular sequences.

The department offers course sequences in news-editorial work, advertising, broadcast, photojournalism, and public relations. Students should consult with departmental advisors to determine the proper selection of courses in particular sequences. There are minors offered in news-editorial, photojournalism, advertising, and public relations.

Other interested students may select courses that will help them incorporate communication skills into their major areas of study. The department offers survey courses that give liberal arts students insights into the mass media and the contemporary communication environment. The course descriptions specify those that may be applied to the fine arts requirement. The department also offers a Secondary Major in Journalism.

- Journalism, B.A. (p. 162)
  - Journalism (News Editorial), B.A. (p. 163)
  - Journalism (Public Relations), B.A. (p. 163)
  - Journalism (Advertising), B.A. (p. 163)
  - Journalism (Photojournalism), B.A. (p. 163)
  - Journalism (Broadcast Journalism), B.A. (p. 164)
- Joint Bachelor of Arts in Journalism/Master of Arts in Museum Studies (p. 164)
- Journalism - Secondary Major (p. 164)
- Advertising Minor (p. 164)
- News Editorial Minor (p. 164)
- Photojournalism Minor (p. 164)
- Public Relations Minor (p. 165)
- American Studies, B.A. (p. 165)
- American Studies Minor (p. 166)
- Joint Bachelor of Arts in American Studies/Master of Arts in Museum Studies (p. 166)

## American Studies (AMS)

### AMS 4385 Seminar in American Studies (3)

Pre-requisite(s): Senior standing or consent of program director  
Studies the theory and practice of American Studies, presents students with the opportunity to analyze written and visual texts, and requires a major paper. Through written work and oral presentations, the course gives students a broad perspective on the American culture.

## Journalism (JOU)

### JOU 1303 Introduction to Mass Communication (3)

Cross-listed as FDM 1303  
See FDM 1303 for course information.

### JOU 1V9R Research (3)

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

### JOU 2301 Media Literacy in a Democratic Society (3)

Designed to increase media knowledge and function and improve ability to discern reliability of sources.

### JOU 2303 Reporting and Writing for Media (3)

Pre-requisite(s): Only open to JOU majors and minors  
Professional writing skills used for a variety of media. Research and interviewing techniques for storytelling for multiple mediums. Evaluation of different media for content, bias, ethics, news values, diversity and objectivity.

### JOU 2V9R Research (3)

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

### JOU 3310 Sportswriting (3)

Pre-requisite(s): JOU 2303 or JOU 3372 and JOU 3325  
Historical and multi-media perspective on sports reporting through lectures and reporting assignments covering intercollegiate athletic competition.

### JOU 3315 Broadcast Writing and Reporting (3)

Cross-listed as CST 3315, FDM 3315  
Pre-requisite(s): For Journalism majors, JOU 2303 and JOU 3325; for Film and Digital Media or Communication Specialist majors: FDM 3372  
Not open to Pre-Film and Digital Media students. The theory and practice of broadcast news reporting including gathering, critically processing, and enterprising unique stories with compelling video and storytelling.  
Fee: \$60

### JOU 3320 Advertising Procedures (3)

Cross-listed as MKT 3320  
See MKT 3320 for course information.

### JOU 3321 Advertising Copywriting (3)

Pre-requisite(s): JOU 3325 and upper-level standing  
The process of developing effective advertising copy for the mass media, including concept generation, research, copy testing, advertising execution, media placement and assessment.

### JOU 3325 Editing (3)

Pre-requisite(s): JOU 2303 or JOU 3372  
Development of skills and resources used by editors in preparing content for publication in the print or digital world. Emphasis on editing and design using relevant programs. Also covers legal and ethical issues as well as diversity in the newsroom.

### JOU 3355 Media Photography I: Introduction (3)

Pre-requisite(s): Upper-level standing or consent of instructor  
Basic theory of visual communication. Instruction in basic camera and lighting skills and laboratory practice. Completion of photographic assignments for a range of media. Laboratory required.

### JOU 3356 Media Photography II: Photojournalism (3)

Pre-requisite(s): JOU 3355 Continued development of photographic skills through individual photojournalism projects  
Emphasis on the completion of location assignment work and documentary projects for publication. Laboratory required.

### JOU 3357 Advanced Photography (3)

Pre-requisite(s): JOU 3355 and 3356  
Further enhancement of technical skill and creative vision in media photography. Emphasis on professional practice including self-promotion and the completion of a portfolio.

**JOU 3358 Videography for Broadcast Journalism (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Introduction to video journalism with emphasis on pre-production, camera handling, editing and videography for storytelling in broadcast journalism. Fee \$100

**JOU 3366 Public Relations for Non-Profit Organizations (3)**

Pre-requisite(s): JOU 3367 or consent of instructor  
Communication techniques, public relations, news writing and advertising procedures applied to needs of non-profit organizations or local churches. Includes laboratory work, research, and individual and team projects in social service or church public relations.

**JOU 3367 Principles of Advertising and Public Relations (3)**

Pre-requisite(s): JOU 2303 or JOU 3372 or consent of instructor  
Professional communication principles applied in contemporary public relations and advertising concepts. Theory, history, and practice of public relations and advertising, including evaluation of public opinion, and the planning, implementing, and evaluating of public relations and advertising programs. Designed for students with journalism background.

**JOU 3369 Media Design (3)**

Pre-requisite(s): JOU 3325 and sophomore standing  
Introduction to graphic design in a media setting. Students work with Adobe InDesign, Photoshop and Illustrator software.

**JOU 3370 Public Relations Agency (3)**

Pre-requisite(s): JOU 3367 and JOU 3369  
Application of public relations principles in an agency setting.

**JOU 3372 Writing for Media Markets (3)**

Cross-listed as FDM 3372  
Pre-requisite(s): Sophomore level standing or above  
Not open to Pre-Film and Digital Media majors. Specialized writing for media markets, including public relations releases, brochures, news reports, and speeches.

**JOU 3374 Public Relations Writing (3)**

Pre-requisite(s): JOU 2303 and 3325  
Use of audience and media analysis with the logic and language skills needed to construct messages in the public relations profession.

**JOU 3375 Advanced Reporting and Writing (3)**

Pre-requisite(s): JOU 2303  
Experience in news gathering and writing with emphasis on relationships with professional news sources. Lariat laboratory included.

**JOU 3376 History of American Journalism (3)**

Pre-requisite(s): Open to juniors and seniors throughout the university  
Development, impact, and importance of communication groups and of individual journalists and media in the United States.

**JOU 3385 Advanced Broadcast Reporting & Producing (3)**

Pre-requisite(s): JOU/FDM 3315  
Focuses on advanced skills for compelling broadcast stories with strong characters and storytelling skills. Uses news values to build newscast segments, link stories and supporting content, including graphics, data lists and maps.

**JOU 3386 Editorial and Column Writing (3)**

Pre-requisite(s): JOU 2303 and 3325  
Fundamentals of writing informative and persuasive editorials and in writing appealing newspaper columns.

**JOU 3387 International Communication (3)**

Pre-requisite(s): Open to juniors and seniors throughout the university  
International communication: its history, the flow of news and information, its role in international relations, a comparison of press systems, the role of new World Information Order, and communication in developed and developing nations.

**JOU 3389 Magazine and Feature Writing (3)**

Pre-requisite(s): JOU 2303 and 3325  
The nature and functions of magazine and feature article writing and editing, with emphasis on identifying article ideas and taking projects through the writing, editing and placement process.

**JOU 3391 News Internship (3)**

Pre-requisite(s): JOU 3375 and consent of instructor  
Open to journalism majors on approved internships with various media under faculty supervision. Record of work done and report of media supervisors required.

**JOU 3392 Photo Internship (3)**

Pre-requisite(s): JOU 3356 and consent of instructor  
Open to journalism majors on approved internships with various media under faculty supervision. Record of work done and report of media supervisors required.

**JOU 3393 Religious Communication Internship (3)**

Pre-requisite(s): JOU 3375 or 4368 and consent of instructor  
Open to journalism majors on approved internships with various media under faculty supervision. Record of work done and report of media supervisors required.

**JOU 3394 Advertising Internship (3)**

Pre-requisite(s): JOU 3321 and consent of instructor  
Open to journalism majors on approved internships in advertising.

**JOU 3395 Public Relations Internship (3)**

Pre-requisite(s): JOU 4368 and consent of instructor  
Open to journalism majors on approved internships in public relations.

**JOU 3397 Magazine Publishing (3)**

Pre-requisite(s): JOU 3325  
In-depth examination of magazine function, research, copy editing and layout, with practice in each. Strong emphasis on editorial decision-making and formulation of magazine editorial policy. Consumer, special interest, professional, trade, and company-sponsored magazines are studied.

**JOU 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**JOU 4305 Gender, Race & Media (3)**

Pre-requisite(s): Upper-level standing or consent of the instructor  
Theory, critical analysis techniques and personal experiences with race, gender and class. Examination of the link between media representations, institutional practices and how closely these images reflect more objective measures of reality.

**JOU 4310 Media Management (3)**

Pre-requisite(s): JOU 3375 or 4368, or consent of instructor  
The theory and methods of modern media management, including advertising sales and production, news-editorial organization and operations, and business and distribution functions.



**JOU 4315 Strategic Communications Research (3)**

Pre-requisite(s): JOU 3367 or 3320  
Continued research and development of advertising materials, including strategic planning, budgeting and media allocation, testing and evaluation.

**JOU 4320 Advertising Management (3)**

Pre-requisite(s): JOU 4315  
Structures and procedures for effectively managing advertising production and functions within media and agency environments.

**JOU 4325 Advanced Editing (3)**

Pre-requisite(s): JOU 3325 for journalism undergraduates  
Continued development of editing skills through exploration of advanced techniques in newspaper layout and design. Individual project required. Use of Macintosh computer to design information graphics and news pages.

**JOU 4330 News Media and American Society (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Philosophical examination and evaluation of the interaction between society and news media in the United States.

**JOU 4340 Writing and Editing for On-Line Media (3)**

Pre-requisite(s): JOU 2303 and 3325  
Technical skills, writing and editing for web-based mass communication. Students will learn the coding language, some image manipulation and writing hypertext information for web-based mass media and public relations and apply this learning in a project.

**JOU 4350 Mass Media and Popular Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Examination and evaluation of the roles of the mass media in promoting popular culture, including how media practitioners are portrayed.

**JOU 4359 History of Photography (3)**

Pre-requisite(s): Upper-level standing  
Photography since its appearance in 1839: people, ideas, and technologies that shaped the history of photography; the cultural and artistic environments in which photographs have been taken; and the major genres of photography, including portraiture, documentary, art-photography and photojournalism.

**JOU 4360 Documentary Explorations (3)**

Pre-requisite(s): Upper-level standing  
The theory and, selectively, the practice of written, photographed and filmed documentary, oral history, and participant-observer anthropology. Students will undertake projects involving fieldwork.

**JOU 4365 Social Media for Strategic Communication and Journalism (3)**

Pre-requisite(s): Upper-level standing or consent of the instructor  
Examination of social media in public relations, advertising, journalism, organizations, and personal branding. Development of social media plans for products, services, or organizations.

**JOU 4368 Advanced Public Relations (3)**

Pre-requisite(s): JOU 2303, 3325, and 3367; and upper-level standing  
Researching, planning, implementation and evaluation of public relations campaigns and programs. Includes a public relations internship.

**JOU 4371 Public Relations Media Programming (3)**

Pre-requisite(s): JOU 3367 and 4368  
Planning and production of programming for public relations events, meetings and campaigns. Students compose presentations that mix media to achieve stated public relations objectives.

**JOU 4380 Law and Ethics of Journalism (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Rights and privileges of the news media and their social and legal responsibilities under the principles of common law and the constitution. Includes an overview of the American judicial system and the role of the journalist in reporting civil and criminal matters.

**JOU 4385 Data Analytics & Visualization (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Common tools used for data analysis and visualization, best practices in data visualization design, social media data mining, and social media network analysis, applied to public relations and advertising.

**JOU 4390 Advertising and Public Relations Leadership (3)**

Pre-requisite(s): JOU 4371 or JOU 4315  
Develop leadership capabilities in self-awareness, group dynamics, interpersonal relations, organizational dynamics, strategic decision-making and the foundations of leadership.

**JOU 4398 Public Affairs Reporting (3)**

Pre-requisite(s): JOU 2303  
Problems in reporting local, state, and national governmental affairs, including obligations and responsibilities of the reporter and of the media. Actual practice under field conditions.

**JOU 4669 Documentary Summer Field School (6)**

Pre-requisite(s): Upper-level standing  
Course centers on documentary fieldwork during a residency of up to three weeks. Methodologies may include oral history, participant observation, documentary photography and documentary radio.

**JOU 4V80 Radford Seminar (1-6)**

Pre-requisite(s): Upper-level standing  
Advanced writing specialization in specific journalistic disciplines. May be repeated up to a total of six semester hours provided topic is different.

**JOU 4V95 Special Studies (1-3)**

Pre-requisite(s): JOU 2303 and upper-level standing  
Individual study with faculty guidance of some vital area in the field of communication. May be repeated once with change in content.

**JOU 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

# Journalism, B.A.

## Requirements for a Major in Journalism

| Code   | Title                           | Hours |
|--|---------------------------------|-------|
| Thirty-three semester hours including the following: |                                 |       |
| <b>Required Courses</b>                              |                                 |       |
| JOU 2303   | Reporting and Writing for Media | 3     |
| JOU 3325   | Editing                         | 3     |
| Select one Concentration from the following:         |                                 | 27    |
| New Editorial Concentration (p. 163)                 |                                 |       |
| Public Relations Concentration (p. 163)              |                                 |       |
| Advertising Concentration (p. 163)                   |                                 |       |
| Photojournalism Concentration (p. 163)               |                                 |       |
| Broadcast Journalism Concentration (p. 164)          |                                 |       |
| <b>Additional Requirements</b>                       |                                 |       |



A minor offered in the College of Arts & Sciences or an emphasis area of eighteen semester hours to be approved by the department chair. To be approved, an emphasis area will come from one of these schools: business, education, engineering and computer science, health and human sciences, or music.

A grade of "C-" or better in all courses used for the major and minor or emphasis and a GPA of 2.0 or higher.

**Total Hours** 33

<sup>1</sup> Not to include JOU 3372 Writing for Media Markets

## Journalism (News Editorial Concentration), B.A.

### Requirements for a Concentration in News Editorial

| Code   | Title                                 | Hours     |
|--|---------------------------------------|-----------|
| <b>Concentration Requirements</b>                    |                                       |           |
| Twenty-seven semester hours including the following: |                                       |           |
| JOU 3355   | Media Photography I: Introduction     | 3         |
| JOU 3375   | Advanced Reporting and Writing        | 3         |
| JOU 3376   | History of American Journalism        | 3         |
| or JOU 4359  | History of Photography                |           |
| JOU 4325   | Advanced Editing                      | 3         |
| JOU 4340   | Writing and Editing for On-Line Media | 3         |
| JOU 4380   | Law and Ethics of Journalism          | 3         |
| Nine semester hours of JOU courses <sup>1</sup>      |                                       | 9         |
| <b>Total Hours</b>                                   |                                       | <b>27</b> |

<sup>1</sup> Not to include JOU 3372 Writing for Media Markets

## Journalism (Public Relations Concentration), B.A.

### Requirements for a Concentration in Public Relations

| Code   | Title  | Hours |
|--|--|-------|
| <b>Concentration Requirements</b>                    |  |       |
| Twenty-seven semester hours including the following: |  |       |
| JOU 3367   | Principles of Advertising and Public Relations | 3     |
| JOU 3374   | Public Relations Writing                       | 3     |
| or JOU 3375  | Advanced Reporting and Writing                 |       |
| or JOU 3389  | Magazine and Feature Writing                   |       |
| JOU 4368   | Advanced Public Relations                      | 3     |
| JOU 4371   | Public Relations Media Programming             | 3     |
| JOU 4380   | Law and Ethics of Journalism                   | 3     |
| JOU 3355   | Media Photography I: Introduction              | 3     |
| or JOU 4325  | Advanced Editing                               |       |
| or JOU 4340  | Writing and Editing for On-Line Media          |       |

|   |           |
|---|-----------|
| Nine semester hours of JOU courses <sup>1</sup> | 9         |
| <b>Total Hours</b>                              | <b>27</b> |

<sup>1</sup> Not to include JOU 3372 Writing for Media Markets

## Journalism (Advertising Concentration), B.A.

### Requirements for a Concentration in Advertising

| Code   | Title  | Hours     |
|--|--|-----------|
| <b>Concentration Requirements</b>                    |  |           |
| Twenty-seven semester hours including the following: |  |           |
| JOU 3320   | Advertising Procedures                         | 3         |
| or JOU 3367  | Principles of Advertising and Public Relations |           |
| JOU 3321   | Advertising Copywriting                        | 3         |
| JOU 3369   | Media Design                                   | 3         |
| JOU 3374   | Public Relations Writing                       | 3         |
| or JOU 3375  | Advanced Reporting and Writing                 |           |
| or JOU 3389  | Magazine and Feature Writing                   |           |
| JOU 4315   | Strategic Communications Research              | 3         |
| JOU 4320   | Advertising Management                         | 3         |
| JOU 4380   | Law and Ethics of Journalism                   | 3         |
| Six semester hours of JOU courses <sup>1</sup>       |  | 6         |
| <b>Total Hours</b>                                   |  | <b>27</b> |

<sup>1</sup> Not to include JOU 3372 Writing for Media Markets

## Journalism (Photojournalism Concentration), B.A.

### Requirements for a Concentration in Photojournalism

| Code   | Title                                 | Hours     |
|--|---------------------------------------|-----------|
| <b>Concentration Requirements</b>                    |                                       |           |
| Twenty-seven semester hours including the following: |                                       |           |
| JOU 3355   | Media Photography I: Introduction     | 3         |
| JOU 3356   | Media Photography II: Photojournalism | 3         |
| JOU 3357   | Advanced Photography                  | 3         |
| JOU 3358   | Videography for Broadcast Journalism  | 3         |
| JOU 3369   | Media Design                          | 3         |
| JOU 3374   | Public Relations Writing              | 3         |
| or JOU 3375  | Advanced Reporting and Writing        |           |
| or JOU 3389  | Magazine and Feature Writing          |           |
| JOU 4359   | History of Photography                | 3         |
| JOU 4380   | Law and Ethics of Journalism          | 3         |
| Three semester hours of JOU courses <sup>1</sup>     |                                       | 3         |
| <b>Total Hours</b>                                   |                                       | <b>27</b> |

<sup>1</sup> Not to include JOU 3372 Writing for Media Markets

## Journalism (Broadcast Journalism Concentration), B.A.

### Requirements for a Concentration in Broadcast Journalism

| Code   | Title                                    | Hours     |
|--|--|-----------|
| <b>Concentration Requirements</b>                    |  |           |
| Twenty-seven semester hours including the following: |  |           |
| JOU 3315   | Broadcast Writing and Reporting          | 3         |
| JOU 3358   | Videography for Broadcast Journalism     | 3         |
| JOU 3385   | Advanced Broadcast Reporting & Producing | 3         |
| JOU 4340   | Writing and Editing for On-Line Media    | 3         |
| JOU 4380   | Law and Ethics of Journalism             | 3         |
| JOU 3376   | History of American Journalism           | 3         |
| or JOU 4359  | History of Photography                   |           |
| Nine semester hours of JOU courses <sup>1</sup>      |  | 9         |
| <b>Total Hours</b>                                   |  | <b>27</b> |

<sup>1</sup> Not to include JOU 3372 Writing for Media Markets

## Joint Bachelor of Arts in Journalism/ Master of Arts in Museum Studies

To earn a joint BA in Journalism and MA in Museum Studies, a student must complete all requirements for the BA degree with a major in Journalism, as well as additional coursework at the graduate level. (See the Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/museum-studies/joint-ba-select-majorsma-museum-studies/>) for details of graduate requirements, including eligibility and admissions.)

### Journalism - Secondary Major Requirements for a Secondary Major in Journalism

| Code  | Title                           | Hours |
|---|---------------------------------|-------|
| Thirty-three semester hours including the following: <sup>1</sup> |                                 |       |
| <b>Required Courses</b>   |                                 |       |
| JOU 2303  | Reporting and Writing for Media | 3     |
| JOU 3325  | Editing                         | 3     |
| Select one Concentration from the following:                      |                                 | 27    |
| New Editorial Concentration (p. 163)                              |                                 |       |
| Public Relations Concentration (p. 163)                           |                                 |       |
| Advertising Concentration (p. 163)                                |                                 |       |
| Photojournalism Concentration (p. 163)                            |                                 |       |
| Broadcast Journalism Concentration (p. 164)                       |                                 |       |
| <b>Additional Requirements</b>                                    |                                 |       |

A grade of "C-" or better in JOU courses used for the major and a GPA of 2.0 or higher on all JOU courses.

**Total Hours****33**<sup>1</sup> Not to include JOU 3372 Writing for Media Markets

## Advertising Minor

### Requirements for a Minor in Advertising

| Code   | Title  | Hours     |
|--|--|-----------|
| Eighteen semester hours including the following:   |  |           |
| <b>Required Courses</b>  |  |           |
| JOU 2303   | Reporting and Writing for Media                | 3         |
| JOU 3325   | Editing  | 3         |
| JOU 3320   | Advertising Procedures                         | 3         |
| or JOU 3367  | Principles of Advertising and Public Relations |           |
| JOU 3321   | Advertising Copywriting                        | 3         |
| JOU 4315   | Strategic Communications Research              | 3         |
| JOU 4320   | Advertising Management                         | 3         |
| A grade of "C-" or better in JOU courses used for the minor and a GPA of 2.0 or higher on all JOU courses. |  |           |
| <b>Total Hours</b>   |  | <b>18</b> |

## News Editorial Minor

### Requirements for a Minor in News Editorial

| Code   | Title                             | Hours     |
|--|-----------------------------------|-----------|
| Eighteen semester hours including the following:   |                                   |           |
| <b>Required Courses</b>  |                                   |           |
| JOU 2303   | Reporting and Writing for Media   | 3         |
| JOU 3325   | Editing                           | 3         |
| JOU 3355   | Media Photography I: Introduction | 3         |
| JOU 3375   | Advanced Reporting and Writing    | 3         |
| JOU 3376   | History of American Journalism    | 3         |
| or JOU 4359  | History of Photography            |           |
| or JOU 4380  | Law and Ethics of Journalism      |           |
| Three semester hours of 3000-4000 JOU courses <sup>1</sup>   |                                   | 3         |
| A grade of "C-" or better in JOU courses used for the minor and a GPA of 2.0 or higher on all JOU courses. |                                   |           |
| <b>Total Hours</b>   |                                   | <b>18</b> |

<sup>1</sup> Not to include JOU 3372 Writing for Media Markets

## Photojournalism Minor

### Requirements for a Minor in Photojournalism

| Code   | Title                           | Hours |
|--|---------------------------------|-------|
| Eighteen semester hours including the following: |                                 |       |
| <b>Required Courses</b>                          |                                 |       |
| JOU 2303   | Reporting and Writing for Media | 3     |

|  |                                       |           |
|--|---------------------------------------|-----------|
| JOU 3325   | Editing                               | 3         |
| JOU 3355   | Media Photography I: Introduction     | 3         |
| JOU 3356   | Media Photography II: Photojournalism | 3         |
| JOU 3357   | Advanced Photography                  | 3         |
| JOU 3376   | History of American Journalism        | 3         |
| or JOU 4359  | History of Photography                |           |
| A grade of "C-" or better in JOU courses used for the minor and a GPA of 2.0 or higher on all JOU courses. |                                       |           |
| <b>Total Hours</b>   |                                       | <b>18</b> |

## Public Relations Minor

### Requirements for a Minor in Public Relations

| Code   | Title  | Hours     |
|--|--|-----------|
| Eighteen semester hours including the following:   |  |           |
| <b>Required Courses</b>  |  |           |
| JOU 2303   | Reporting and Writing for Media                | 3         |
| JOU 3325   | Editing  | 3         |
| JOU 3367   | Principles of Advertising and Public Relations | 3         |
| JOU 3374   | Public Relations Writing                       | 3         |
| or JOU 3375  | Advanced Reporting and Writing                 |           |
| or JOU 3389  | Magazine and Feature Writing                   |           |
| JOU 4368   | Advanced Public Relations                      | 3         |
| JOU 4371   | Public Relations Media Programming             | 3         |
| A grade of "C-" or better in JOU courses used for the minor and a GPA of 2.0 or higher on all JOU courses. |  |           |
| <b>Total Hours</b>   |  | <b>18</b> |

## American Studies, B.A.

The program in American Studies offers a comprehensive knowledge of American institutions and culture. The basic program consists of courses in a variety of areas of study that students may combine according to their cultural and professional objectives. The purpose is to acquaint students with the intellectual and cultural development of the nation, to prepare them for responsible citizenship, and to show the continuity of past, present, and future in acceptable cultural and historical terms.

All students electing to major or minor in American Studies should consult the director before registering. Information concerning a Master of Arts degree in American Studies will be found in the Graduate School Catalog.

American Studies offers students an interdisciplinary curriculum featuring a comprehensive reflection on American society, institutions and culture. The basic program consists of courses in American history and literature. With the help of the program director, students tailor the program to their career goals.

## Requirements for a Major in American Studies

| Code   | Title   | Hours |
|--|---|-------|
| Thirty-three semester hours including the following:   |   |       |
| <b>Required Courses</b>  |   |       |
| JOU/FDM 1303   | Introduction to Mass Communication            | 3     |
| AMS 4385   | Seminar in American Studies                   | 3     |
| Twenty-seven semester hours of 3000-4000 level courses, with no more than twelve credits from one area from the following: |   |       |
| <i>English</i>   |   |       |
| ENG 3380   | American Literature through Whitman           |       |
| ENG 3390   | American Literature from Whitman              |       |
| ENG 3393   | Literature of the American West and Southwest |       |
| ENG 4380   | American Renaissance                          |       |
| ENG 4381   | Early American Literature                     |       |
| ENG 4383   | American Realism and Naturalism               |       |
| ENG 4386   | Postmodern American Novel                     |       |
| ENG 4387   | Modern American Novel                         |       |
| ENG 4389   | Postmodern American Poetry                    |       |
| ENG 4390   | Literature of the South                       |       |
| ENG 4391   | Modern American Poetry                        |       |
| ENG 4394   | American Drama                                |       |
| <i>History</i>   |   |       |
| HIS 3360   | History of the American Presidency            |       |
| HIS 3362   | History of Religion in America                |       |
| HIS 3371   | History of Black Americans                    |       |
| HIS 3380   | History of Texas                              |       |
| HIS 3384   | History of Indigenous Peoples of America      |       |
| HIS 4354   | Religion and War in U.S. History              |       |
| HIS 4362   | American Colonial History                     |       |
| HIS 4363   | American Revolution and Constitution          |       |
| HIS 4365   | The Early Republic, 1789-1860                 |       |
| HIS 4368   | Civil War and Reconstruction                  |       |
| HIS 4369   | Religion in America, 1877-Present             |       |
| HIS 4371   | United States, 1877-1920                      |       |
| HIS 4374   | United States since 1920                      |       |
| HIS 4375   | The American Civil Rights Movement            |       |
| HIS 4378   | History of the American Woman Since 1865      |       |
| HIS 4380   | The American West                             |       |
| HIS 4383   | History of the South                          |       |
| HIS 4386   | The City in American History                  |       |
| HIS 4392   | U.S. Foreign Relations since 1919             |       |
| HIS 4395   | History of American Thought, 1630-1859        |       |
| HIS 4396   | History of American Thought, 1859 to Present  |       |
| HIS 4398   | Reading Course in American History            |       |
| <i>Philosophy</i>  |   |       |
| PHI 4318   | Philosophy of Law                             |       |
| PHI 4342   | Contemporary American Philosophy              |       |
| <i>Political Science</i>   |   |       |
| PSC 3310   | Legislative Process and Behavior              |       |

|              |  |
|--------------|--|
| PSC 3320     | Minority and Ethnic Group Politics                 |
| PSC 3322     | American Public Policy                             |
| PSC 3330     | The American Presidency                            |
| PSC/REL 3339 | Law and Religion in the United States <sup>1</sup> |
| PSC 3340     | Campaigns and Elections                            |
| PSC 3353     | American Political Thought                         |
| PSC 4300     | Political Behavior                                 |
| PSC 4320     | African American Politics                          |
| PSC 4361     | American Constitutional Law                        |
| PSC 4381     | American Constitutional Law                        |

*Religion*

|              |  |
|--------------|--|
| REL/PSC 3339 | Law and Religion in the United States <sup>1</sup> |
| REL 3344     | New Religious Movements in the United States       |
| REL 4336     | Introduction to Religion in America                |
| REL 4338     | Women in Religion in America                       |

*Anthropology/Sociology*

|          |                                     |
|----------|-------------------------------------|
| ANT 3350 | Native North Americans              |
| ANT 4353 | Archaeology of North America        |
| SOC 3311 | The Sociology of Race and Ethnicity |
| SOC 4322 | Stratification in Society           |
| SOC 4366 | Social Movements                    |

*Art/Music*

|           |                                     |
|-----------|-------------------------------------|
| ARTH 4356 | Modern American Art                 |
| ARTH 4357 | American Art                        |
| MUS 3322  | Popular Musics                      |
| MUS 3323  | Jazz and its History                |
| MUS 4326  | American Folk Music                 |
| MUS 4365  | Music and Identity in Texas Culture |

*Communication/Journalism*

|          |                                |
|----------|--------------------------------|
| CSS 4396 | American Rhetoric              |
| JOU 3376 | History of American Journalism |
| JOU 4359 | History of Photography         |

**Total Hours** **33**

<sup>1</sup> Course cannot count in two areas

## American Studies Minor

The program in American Studies offers a comprehensive knowledge of American institutions and culture. The basic program consists of courses in a variety of areas of study that students may combine according to their cultural and professional objectives. The purpose is to acquaint students with the intellectual and cultural development of the nation, to prepare them for responsible citizenship, and to show the continuity of past, present, and future in acceptable cultural and historical terms.

All students electing to major or minor in American Studies should consult the director before registering. Information concerning a Master of Arts degree in American Studies will be found in the Graduate School Catalog.

American Studies offers students an interdisciplinary curriculum featuring a comprehensive reflection on American society, institutions, and culture. The basic program consists of courses in American history

and literature. With the help of the program director, students tailor the program to their career goals.

## Requirements for a Minor in American Studies

| Code  | Title                       | Hours     |
|---|-----------------------------|-----------|
| Eighteen semester hours from the following:   |                             |           |
| <b>Required Courses</b>   |                             |           |
| AMS 4385  | Seminar in American Studies | 3         |
| Fifteen semester hours of additional 3000-4000 courses, with no more than nine credits in any one area such as history, political science or religion, etc. from the courses listed in the area choices in the major. |                             | 15        |
| <b>Total Hours</b>  |                             | <b>18</b> |

## Joint Bachelor of Arts in American Studies/Master of Arts in Museum Studies

To earn a joint BA in American Studies and MA in Museum Studies, a student must complete all requirements for the BA degree with a major in American Studies, as well as additional coursework at the graduate level. (See the Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/museum-studies/joint-ba-select-majorsma-museum-studies/>) for details of graduate requirements, including eligibility and admissions.)

## Mathematics

The Department of Mathematics offers a broadly based curriculum that includes a variety of mathematical areas, both traditional and contemporary. With a strong commitment to quality undergraduate education and research, we seek to develop individuals who can enjoy productive careers in business, government, industry, research and education at all levels.

A student may not take a course required for a mathematics major unless a grade of "C" or above has been earned in prerequisite courses.

It is recommended that majors complete MTH 1321 Calculus I, MTH 1322 Calculus II, MTH 2311 Linear Algebra, MTH 2321 Calculus III, and MTH 3300 Foundations of Mathematics within their first two years.

Students planning to go to graduate school in mathematics should include MTH 4326 Advanced Calculus I, MTH 4327 Advanced Calculus II, MTH 4314 Abstract Algebra, and MTH 4316 Linear Algebra and Matrix Theory in their course of study.

- Mathematics, B.A. (p. 169)
- Mathematics (Mathematics Education), B.A. (p. 169)
- Joint Bachelor of Arts in Mathematics/Master of Arts in Teaching (p. 170)
- Mathematics, B.S. (p. 170)
- Mathematics (Mathematics Education), B.S. (p. 170)
- Applied Mathematics, B.S. (p. 171)
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- Mathematics - Secondary Major (p. 172)
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## Mathematics (MTH)

### MTH 1220 Algebra Review (2)

Algebra review for students who need to take MTH 1320 (pre-calculus) but are not ready for MTH 1320. Topics include solving equations and inequalities, polynomials, rational functions, exponential functions, and logarithms. Begins 5 weeks into the semester. Does not apply on major. Does not satisfy the mathematics requirement for any degree.

### MTH 1301 Ideas in Mathematics (3)

Significant ideas of mathematics. Topics will be chosen from: voting theory, apportionment, financial analysis, linear and exponential growth, statistics and opinion polls. Designed primarily for liberal arts students. Does not apply toward the major.

### MTH 1308 Precalculus for Business Students (3)

A study of the types of function that arise in business calculus, including linear, quadratic, and other polynomial functions, rational functions, and exponential and logarithmic functions. Does not apply on the Arts and Sciences mathematics requirement nor on a mathematics major. Credit may not be received after receiving credit in MTH 1320.

### MTH 1309 Calculus for Business Students (3)

Prerequisite(s): A grade of C or better in MTH 1320 or MTH 1308 or a satisfactory performance on the SAT or RSAT or the ACT or the ALEKS. Differentiation of rational, exponential, and logarithmic functions of one and several variables, integration of functions of one variable, and applications to business problems. Does not apply on the major. Credit may not be received after receiving credit in MTH 1321.

### MTH 1315 Patterns, Relationships, and Number Concepts (3)

Pre-requisite(s): School of Education Curriculum and Instruction majors only  
Advanced perspectives on topics taught in grades EC-8 including number concepts, patterns, and functions. Does not satisfy the liberal arts mathematics requirement and does not apply toward the mathematics major.

### MTH 1316 Geometry and Measurement (3)

Pre-requisite(s): A grade of C or above in MTH 1315  
A continuation of MTH 1315. Topics in MTH 1316 will be geometric figures, motions of geometry, and measurement. Does not apply toward the mathematics major.

### MTH 1320 Precalculus Mathematics (3)

Pre-requisite(s): Either a score of 61 or better on the ALEKS; or a satisfactory score on either the RSAT Math, SAT Math, or ACT Math  
Basic concepts of college algebra, trigonometry, and elementary functions and an introduction to limits. Satisfactory performance on a department examination. Designed as preparation for MTH 1321; does not apply on the major.

### MTH 1321 Calculus I (3)

Pre-requisite(s): Either MTH 1320 with a grade of B- or better; or a score of 80 or better on the ALEKS; or a satisfactory score on either the RSAT Math, SAT Math, or ACT Math  
Differential calculus of a single variable. Introduction to the definite integral and the Fundamental Theorem of Calculus.

### MTH 1322 Calculus II (3)

Pre-requisite(s): A grade of C or above in MTH 1321  
Integral calculus of a single variable, differential equations, slope fields, and power series.

### MTH 2311 Linear Algebra (3)

Pre-requisite(s): A grade of C or above in MTH 1322  
Vectors, matrix operations, linear transformations, fundamental properties of vector spaces, systems of linear equations, eigenvalues, and eigenvectors.

### MTH 2316 Algebra and Functions (3)

Pre-requisite(s): A grade of C or above in MTH 1316 or concurrent enrollment  
Designed for the prospective teacher seeking mathematics certification for grades 4-8. A study of the algebraic and transcendental functions which play a primary role in calculus. An emphasis will be placed on mathematical models which arise from lab-based activities, on connections to areas within and outside of mathematics, and on developing the ability to communicate mathematical ideas to individuals at various levels. Does not apply toward the mathematics major.

### MTH 2317 Functions and the Mathematics of Change (3)

Pre-requisite(s): A grade of C or above in MTH 2316  
Designed for the prospective teacher seeking mathematics certification for grades 4-8. A continuation of MTH 2316. An investigation of the derivative and integral from an algebraic, geometric, and numerical perspective. Credit may not be received after completion of MTH 1321. Does not apply toward the mathematics major.

### MTH 2321 Calculus III (3)

Pre-requisite(s): A grade of C or above in MTH 1322  
Differential and integral calculus of several variables, Green's Theorem.

### MTH 2V90 Introduction to Research in Mathematics (1-3)

Pre-requisite(s): Consent of Instructor  
Beginning independent study or research in topics not available in other courses. May be repeated for a maximum of 3 hours.

### MTH 3300 Foundations of Mathematics (3)

Pre-requisite(s): A grade of C or above in MTH 1321  
Core concepts of advanced mathematics: proofs, induction, sets, functions, equivalence relations, divisibility, modular arithmetic, real numbers, sequences and limits.

### MTH 3312 Foundations of Combinatorics and Algebra (3)

Pre-requisite(s): A grade of C or above in MTH 3300 or departmental consent required  
Elementary counting principles, fundamental properties of the integers, the ring of integers modulo  $n$ , rings of polynomials, and an introduction to groups, rings and fields.

### MTH 3318 Data and Chance (3)

Pre-requisite(s): A grade of C or above in MTH 1316  
Designed for the prospective teacher seeking an EC-4 mathematics certification. Core ideas from probability and statistics, including collection of data, patterns in data, and inference from data, in an active lab-like environment. Credit may not be received after completion of MTH 2381 or MTH 3381. Does not apply toward the mathematics major.

### MTH 3323 Introduction to Analysis (3)

Pre-requisite(s): A grade of C or above in MTH 2321 and MTH 3300  
A rigorous treatment of the real number system, sequences of real numbers, limits, continuous functions, and elements of differentiation and integration.

### MTH 3324 Numerical Methods (3)

Cross-listed as CSI 3324  
See CSI 3324 for course information.



**MTH 3325 Ordinary Differential Equations (3)**

Pre-requisite(s): A grade of C or above in MTH 2321 or concurrent enrollment

Differential equations of first order, linear equations of order two and higher, introduction to power series methods, elements of the Laplace Transform, some facts from linear algebra and systems of differential equations.

**MTH 3326 Partial Differential Equations (3)**

Pre-requisite(s): A grade of C or above in MTH 2321 and 3325

Partial differential equations of physics, the method of separation of variables, orthogonal sets of functions, Fourier Series, boundary value problems, Fourier integrals and applications.

**MTH 3327 Partial Differential Equations for the Social Sciences (3)**

Pre-requisite(s): C or better in MTH 3325 and C or better in MTH 2321

Introduction of partial differential equations that model social behavior, from crowd dynamics to optimal control

Topics include linear and nonlinear transport equations, Hamilton-Jacobi equations, and diffusions, with some applications to game theory.

**MTH 3340 Mathematics through Technology (3)**

Pre-requisite(s): Credit for twelve hours of mathematics courses, at least three hours of which are at the 2000 level or above

(This prerequisite cannot be satisfied using any hours transferred in under the generic titles MTH 1000 or MTH 2000.) Designed for the prospective mathematics teacher seeking certification for grades 4-8 or 8-12. Use of technology to explore, communicate, and reinforce mathematical concepts and problem solving from several areas of mathematics. Attention given to graphing calculators, interactive geometry computer packages, computer-based algebra packages, and spreadsheets or statistical packages. Written and oral presentations. Does not apply toward the mathematics major.

**MTH 3345 Intermediate Logic (3)**

Cross-listed as PHI 4345

See PHI 4345 for course information.

**MTH 3350 Structure of Modern Geometry (3)**

Pre-requisite(s): A grade of C or above in MTH 2311 or 2317

A study of the foundations of Euclidean geometry by synthetic methods with a brief introduction to non-Euclidean geometry.

**MTH 3351 Proof and Reasoning in Mathematics for Middle School Math Teachers (3)**

Pre-requisite(s): A grade of C or better in both MTH 2317 and 3318, or concurrent enrollment

Concepts taken from probability and statistics, algebra and number concepts, and Euclidean and non-Euclidean geometry, with a focus on the role and history of proof and reasoning as the cornerstone in arriving at mathematical conclusions. Does not apply toward the mathematics major or as a secondary mathematics elective.

**MTH 3370 Mathematical Methods of Operations Research (3)**

Pre-requisite(s): A grade of C or above in MTH 2311

A survey of models and methods used in operations research. Topics include linear programming, dynamic programming, and game theory, with emphasis on the construction of mathematical models for problems arising in a variety of applied areas and an introduction to basic solution techniques.

**MTH 3374 Introduction to Mathematical Modeling (3)**

Pre-requisite(s): A grade of C or above in MTH 1322 or in both MTH 2317 and 3318

An introduction to the process of mathematical modeling, including problem identification, model construction, model selection, simulation, and model verification. Individual and team projects.

**MTH 3V90 Advanced Undergraduate Research in Mathematics (1-3)**

Pre-requisite(s): Consent of Instructor

Advanced independent study or research in topics not available in other courses. May be repeated for a maximum of 3 hours.

**MTH 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**MTH 4312 Cryptology (3)**

Pre-requisite(s): A grade of C or above MTH 3300 or CSI 2350; or consent of instructor

Introduction to cryptology, the study of select codes and ciphers.

Included is a historical context, a survey of modern crypto systems, and an exposition of the role of mathematical topics such as number theory and elliptic curves in the subject. Mathematical software will be available.

**MTH 4313 Number Theory (3)**

Pre-requisite(s): A grade of C or above in MTH 3300 or consent of instructor

Algebraic number theory including linear Diophantine equations, distribution of primes, congruence, number theoretic functions, Euler's and Wilson's theorems, Pythagorean triples, Mersenne and Fermat primes, Fibonacci numbers, and sums of squares. Continued fractions, quadratic reciprocity, Mobius inversion, Bertrand's postulate, prime number theorem, and zeta function may also be included.

**MTH 4314 Abstract Algebra (3)**

Pre-requisite(s): A grade of C or above in MTH 2311 and MTH 3312; or consent of instructor

Fundamentals of group, ring, and field theory. Topics include permutation groups, group and ring homomorphisms, direct products of groups and rings, quotient objects, integral domains, field of quotients, polynomial rings, unique factorization domains, extension fields, and finite fields.

**MTH 4316 Linear Algebra and Matrix Theory (3)**

Pre-requisite(s): A grade of C or above in MTH 2311 and MTH 3300

Matrix calculus, eigenvalues and eigenvectors, canonical forms, orthogonal and unitary transformation, and quadratic forms. Applications of these concepts.

**MTH 4322 Numerical Analysis (3)**

Cross-listed as CSI 4322

Pre-requisite(s): A grade of C or above in MTH 2321

Numerical evaluation of derivatives and integrals, solution of algebraic and differential equations, and approximation theory.

**MTH 4324 Systems of Ordinary Differential Equations (3)**

Pre-requisite(s): MTH 3325 and MTH 2311

A continuation of MTH 3325 with emphasis on systems of ordinary differential equations. Topics include matrix and first order linear systems of differential equations, eigenvalues and eigenvectors, two-dimensional autonomous systems, critical point analysis, phase plane analysis, Liapunov, stability theory, limit cycles and Poincare-Bendixson theorem, periodic solutions, perturbation methods, and some fixed point theory.

**MTH 4326 Advanced Calculus I (3)**

Pre-requisite(s): A grade of C or above in MTH 2321 and MTH 3323 or consent of instructor

The real and complex number systems, basic topology, numerical sequences and series, continuity, differentiation, integration, sequences and series of functions.

**MTH 4327 Advanced Calculus II (3)**

Pre-requisite(s): A grade of C or above in MTH 4326

Line and surface integrals, Green, Gauss, Stokes theorems with applications, Fourier series and integrals, functions defined by integrals, introduction to complex functions.

**MTH 4328 Numerical Linear Algebra (3)**

Cross-listed as CSI 4328

Pre-requisite(s): A grade of C or above in MTH 2311

Numerical methods for solution of linear equations, eigenvalue problems, and least squares problems, including sparse matrix techniques with applications to partial equations.

**MTH 4329 Theory of Functions of a Complex Variable (3)**

Pre-requisite(s): A grade of C or above in MTH 2321

Number systems: the complex plane; fractions, powers, and roots; analytic functions; elementary functions; complex integration; power series; mapping by elementary functions; calculus of residues.

**MTH 4343 Topics in Mathematics for Prospective Teachers (3)**

Pre-requisite(s): A grade of C or above in MTH 3312, 3323, or 3350

Prospective middle and secondary school mathematics teachers engage in an in-depth analysis of mathematical topics encountered in the middle and secondary curriculum. Does not apply toward the mathematics major.

**MTH 4375 Linear Programming (3)**

Pre-requisite(s): A grade of C or above in MTH 2311 and 3370

An introduction to the theory and applications of linear programming, including the simplex algorithm, duality, sensitivity analysis, parametric linear programming, and integer programming, with applications to transportation, allocation problems, and game theory.

**MTH 4V90 Topics in Mathematics (1-3)**

Pre-requisite(s): Consent of instructor

Topics in contemporary mathematics not covered in other courses. May be repeated once for credit if content is different.

**MTH 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Mathematics, B.A.

### Requirements for a Major in Mathematics

| Code  | Title                      | Hours |
|---|----------------------------|-------|
| Thirty-three semester hours, six of which must be at the 4000-level, including the following: |                            |       |
| <b>Required Courses</b>   |                            |       |
| MTH 1321  | Calculus I                 | 3     |
| MTH 1322  | Calculus II                | 3     |
| MTH 2311  | Linear Algebra             | 3     |
| MTH 2321  | Calculus III               | 3     |
| MTH 3300  | Foundations of Mathematics | 3     |
| MTH 3323  | Introduction to Analysis   | 3     |
| or MTH 4326   | Advanced Calculus I        |       |

|   |  |           |
|---|--|-----------|
| MTH 3312  | Foundations of Combinatorics and Algebra           | 3         |
| or MTH 4314   | Abstract Algebra                                   |           |
| MTH 3325  | Ordinary Differential Equations                    | 3         |
| or MTH 4312   | Cryptology   |           |
| or MTH 4322   | Numerical Analysis                                 |           |
| Nine semester hours of 3000-4000 level MTH or STA courses <sup>1</sup>                    |  | 9         |
| A grade of "C" or better in thirty-three hours of MTH and STA courses used for the major. |  |           |
| <b>Subtotal</b>   |  | <b>33</b> |
| <b>Required Courses in Other Fields</b>   |  |           |
| CSI 1430  | Introduction to Computer Science I with Laboratory | 4         |
| <b>Total Hours</b>  |  | <b>37</b> |

<sup>1</sup> Excluding: MTH 3318 Data and Chance, MTH 3340 Mathematics through Technology, and MTH 4343 Topics in Mathematics for Prospective Teachers

## Mathematics (Mathematics Education Concentration), B.A.

This program is designed for students interested in mathematics education and certification to teach secondary mathematics; upon graduating students will be certified to teach in Texas.

### Requirements for a Major in Mathematics (Mathematics Education Concentration)

| Code  | Title                                    | Hours     |
|---|--|-----------|
| Thirty semester hours including the following:                                      |  |           |
| <b>Required Courses</b>   |  |           |
| MTH 1321  | Calculus I                               | 3         |
| MTH 1322  | Calculus II                              | 3         |
| MTH 2311  | Linear Algebra                           | 3         |
| MTH 2321  | Calculus III                             | 3         |
| MTH 3300  | Foundations of Mathematics               | 3         |
| MTH 3312  | Foundations of Combinatorics and Algebra | 3         |
| MTH 3323  | Introduction to Analysis                 | 3         |
| MTH 3350  | Structure of Modern Geometry             | 3         |
| STA 3381  | Probability and Statistics               | 3         |
| Three semester hours of 4000-level MTH or STA courses                               |  | 3         |
| A grade of "C" or better in thirty hours of MTH and STA courses used for the major. |  |           |
| <b>Subtotal</b>   |  | <b>30</b> |
| <b>Required Courses in Other Fields</b>   |  |           |
| MTH 3340  | Mathematics through Technology           | 3         |
| Completion of the Minor in Mathematics Education (School of Education)              |  |           |
| <b>Total Hours</b>  |  | <b>33</b> |

## Joint Bachelor of Arts in Mathematics/Master of Arts in Teaching (with Teacher Certification)

To earn the joint BA/MAT in Mathematics, a student must complete all basic requirements for the BA degree with a major in Mathematics, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission).

## Mathematics, B.S.

### Requirements for a Major in Mathematics

| Code  | Title   | Hours     |
|---|---|-----------|
| Thirty-nine semester hours, six of which must be at the 4000-level, including the following:                                    |   |           |
| <b>Required Courses</b>   |   |           |
| MTH 1321  | Calculus I  | 3         |
| MTH 1322  | Calculus II   | 3         |
| MTH 2311  | Linear Algebra  | 3         |
| MTH 2321  | Calculus III  | 3         |
| MTH 3300  | Foundations of Mathematics  | 3         |
| MTH 3323  | Introduction to Analysis  | 3         |
| or MTH 4326   | Advanced Calculus I   |           |
| MTH 3312  | Foundations of Combinatorics and Algebra  | 3         |
| or MTH 4314   | Abstract Algebra  |           |
| MTH 3325  | Ordinary Differential Equations   | 3         |
| or MTH 4312   | Cryptology  |           |
| or MTH 4322   | Numerical Analysis  |           |
| Fifteen semester hours of 3000-4000 level MTH or STA courses <sup>1</sup>   |   | 15        |
| A grade of "C" or better in thirty-nine hours of MTH and STA courses used for the major.  |   |           |
| <b>Subtotal</b>   |   | <b>39</b> |
| <b>Required Courses in Other Fields</b>   |   |           |
| CSI 1430  | Introduction to Computer Science I with Laboratory                                    | 4         |
| Eight semester hours of science courses with appropriate labs (with no more than 4 hours from GEO) selected from the following: |   | 8         |
| BIO 1305 & BIO 1105   | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |           |
| BIO 1306 & BIO 1106   | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |           |
| CHE 1301 & CHE 1101   | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |           |
| CHE 1302 & CHE 1102   | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |           |
| ENV 1301 & ENV 1101   | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)    |           |

|   |  |           |
|---|--|-----------|
| GEO 1306<br>& GEO 1106<br>or GEO 1307<br>& GEO 1106 | The Earth Through Time<br>and The Earth Through Time, Laboratory<br>Evolution and Extinction<br>and The Earth Through Time, Laboratory |           |
| GEO 1401  | Earthquakes and Other Natural Disasters  |           |
| GEO 1402  | World Oceans   |           |
| GEO 1403  | Environmental Geology  |           |
| GEO 1405  | The Dynamic Earth  |           |
| GEO 1408  | Earth Science  |           |
| NSC 1306<br>& NSC 1106                              | Introduction to Neuroscience<br>and Introduction to Neuroscience<br>Laboratory   |           |
| PHY 1420  | General Physics I  |           |
| PHY 1430  | General Physics II   |           |
| <b>Total Hours</b>                                  |  | <b>51</b> |

<sup>1</sup> Excluding: MTH 3318 Data and Chance, MTH 3340 Mathematics through Technology, and MTH 4343 Topics in Mathematics for Prospective Teachers

## Mathematics (Mathematics Education Concentration), B.S.

This program is designed for students interested in mathematics education and certification to teach secondary mathematics; upon graduating students will be certified to teach in Texas.

### Requirements for a Major in Mathematics (Mathematics Education Concentration)

| Code  | Title  | Hours     |
|---|--|-----------|
| Thirty-three semester hours including the following:  |  |           |
| <b>Required Courses</b>   |  |           |
| MTH 1321  | Calculus I   | 3         |
| MTH 1322  | Calculus II  | 3         |
| MTH 2311  | Linear Algebra   | 3         |
| MTH 2321  | Calculus III   | 3         |
| MTH 3300  | Foundations of Mathematics   | 3         |
| MTH 3312  | Foundations of Combinatorics and Algebra                                   | 3         |
| MTH 3323  | Introduction to Analysis   | 3         |
| MTH 3350  | Structure of Modern Geometry   | 3         |
| STA 3381  | Probability and Statistics   | 3         |
| Three semester hours of 3000-4000 level MTH or STA courses  |  | 3         |
| Three semester hours of 4000 level MTH or STA courses   |  | 3         |
| A grade of "C" or better in thirty-three hours of MTH and STA courses used for the major.                                       |  |           |
| <b>Subtotal</b>   |  | <b>33</b> |
| <b>Required Courses in Other Fields</b>   |  |           |
| MTH 3340  | Mathematics through Technology   | 3         |
| Eight semester hours of science courses with appropriate labs (with no more than 4 hours from GEO) selected from the following: |  | 8         |
| BIO 1305 & BIO 1105   | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory |           |

|   |  |
|---|--|
| BIO 1306<br>& BIO 1106                              | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory  |
| CHE 1301<br>& CHE 1101                              | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I   |
| CHE 1302<br>& CHE 1102                              | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II   |
| ENV 1301<br>& ENV 1101                              | Exploring Environmental Issues<br>and An Introduction to Environmental<br>Analysis (Lab)   |
| GEO 1306<br>& GEO 1106<br>or GEO 1307<br>& GEO 1106 | The Earth Through Time<br>and The Earth Through Time, Laboratory<br>Evolution and Extinction<br>and The Earth Through Time, Laboratory |
| GEO 1401  | Earthquakes and Other Natural Disasters  |
| GEO 1402  | World Oceans   |
| GEO 1403  | Environmental Geology  |
| GEO 1405  | The Dynamic Earth  |
| GEO 1408  | Earth Science  |
| NSC 1306<br>& NSC 1106                              | Introduction to Neuroscience<br>and Introduction to Neuroscience<br>Laboratory   |
| PHY 1420  | General Physics I  |
| PHY 1430  | General Physics II   |

Completion of the Minor in Mathematics Education (School of Education)

**Total Hours** **44**

## Applied Mathematics, B.S.

### Requirements for a Major in Applied Mathematics

| Code  | Title                                    | Hours |
|---|--|-------|
| <b>Required Courses</b>   |  |       |
| Thirty-nine semester hours, nine hours of which must be at the 4000-level, including the following: |  |       |
| MTH 1321  | Calculus I                               | 3     |
| MTH 1322  | Calculus II                              | 3     |
| MTH 2311  | Linear Algebra                           | 3     |
| MTH 2321  | Calculus III                             | 3     |
| MTH 3300  | Foundations of Mathematics               | 3     |
| STA 3381  | Probability and Statistics               | 3     |
| One of the following:   |  | 3     |
| MTH 3312  | Foundations of Combinatorics and Algebra |       |
| MTH 3323  | Introduction to Analysis                 |       |
| MTH 4314  | Abstract Algebra                         |       |
| MTH 4326  | Advanced Calculus I                      |       |
| Nine semester hours from one of the following groups: <sup>1</sup>                                  |  | 9     |
| <i>Statistical</i>  |  |       |
| STA 4382  | Intermediate Statistical Methods         |       |
| STA 4385  | Mathematical Statistics I                |       |
| STA 4386  | Mathematical Statistics II               |       |
| STA 4387  | Introduction to Probability Models       |       |
| <i>Differential</i>   |  |       |

|  |  |           |
|--|--|-----------|
| MTH 3325   | Ordinary Differential Equations <sup>1</sup> |           |
| MTH 3326   | Partial Differential Equations               |           |
| MTH 4329   | Theory of Functions of a Complex Variable    |           |
| <i>Numerical</i>   |  |           |
| MTH 3324   | Numerical Methods                            |           |
| MTH 4322   | Numerical Analysis                           |           |
| MTH 4328   | Numerical Linear Algebra                     |           |
| Nine semester hours of 3000-4000 MTH or STA courses                                      |  | 9         |
| A grade of "C" or better in thirty-nine hours of MTH and STA courses used for the major. |  |           |
| <b>Subtotal</b>  |  | <b>39</b> |

#### Required Courses in Other Fields

|  |  |   |
|--|--|---|
| CSI 1430   | Introduction to Computer Science I with<br>Laboratory  | 4 |
| CSI 1440   | Introduction to Computer Science II with<br>Laboratory | 4 |
| Eight semester hours of science courses with appropriate labs<br>(with no more than 4 hours of GEO) selected from the following: |  | 8 |

|   |  |
|---|--|
| BIO 1305<br>& BIO 1105                              | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory   |
| BIO 1306<br>& BIO 1106                              | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory  |
| CHE 1301<br>& CHE 1101                              | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I   |
| CHE 1302<br>& CHE 1102                              | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II   |
| ENV 1301<br>& ENV 1101                              | Exploring Environmental Issues<br>and An Introduction to Environmental<br>Analysis (Lab)   |
| GEO 1306<br>& GEO 1106<br>or GEO 1307<br>& GEO 1106 | The Earth Through Time<br>and The Earth Through Time, Laboratory<br>Evolution and Extinction<br>and The Earth Through Time, Laboratory |
| GEO 1401  | Earthquakes and Other Natural Disasters  |
| GEO 1402  | World Oceans   |
| GEO 1403  | Environmental Geology  |
| GEO 1405  | The Dynamic Earth  |
| GEO 1408  | Earth Science  |
| NSC 1306<br>& NSC 1106                              | Introduction to Neuroscience<br>and Introduction to Neuroscience<br>Laboratory   |
| PHY 1420  | General Physics I  |
| PHY 1430  | General Physics II   |

**Total Hours** **55**

<sup>1</sup> A student applying for medical school is recommended to select Statistical and take MTH 3325 Ordinary Differential Equations as a 3000-level course.

## Joint Bachelor of Science in Applied Mathematics/Master of Arts in Teaching (with Teacher Certification)

To earn the joint BS/MAT in Applied Mathematics, a student must complete all basic requirements for the BS degree with a major in Applied Mathematics, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission).

## Mathematics - Secondary Major Requirements for a Secondary Major in Mathematics

| Code  | Title                                    | Hours     |
|---|--|-----------|
| Thirty-three semester hours including the following:        |  |           |
| <b>Required Courses</b>                                     |  |           |
| MTH 1321  | Calculus I                               | 3         |
| MTH 1322  | Calculus II                              | 3         |
| MTH 2311  | Linear Algebra                           | 3         |
| MTH 2321  | Calculus III                             | 3         |
| MTH 3300  | Foundations of Mathematics               | 3         |
| MTH 3325  | Ordinary Differential Equations          | 3         |
| Select one of the following:                                |  | 3         |
| MTH 3312  | Foundations of Combinatorics and Algebra |           |
| MTH 3323  | Introduction to Analysis                 |           |
| MTH 4314  | Abstract Algebra                         |           |
| MTH 4326  | Advanced Calculus I                      |           |
| Twelve semester hours of 3000-4000 level MTH or STA courses |  | 12        |
| A grade of "C" or better in each course used on the major.  |  |           |
| <b>Total Hours</b>  |  | <b>33</b> |

## Mathematics Minor

### Requirements for a Minor in Mathematics

| Code   | Title          | Hours     |
|--|----------------|-----------|
| Twenty-one semester hours including the following:                     |                |           |
| <b>Required Courses</b>  |                |           |
| MTH 1321   | Calculus I     | 3         |
| MTH 1322   | Calculus II    | 3         |
| MTH 2311   | Linear Algebra | 3         |
| MTH 2321   | Calculus III   | 3         |
| Nine semester hours of 3000-4000 level MTH or STA courses <sup>1</sup> |                | 9         |
| A grade of "C" or better in all MTH or STA courses used for the minor. |                |           |
| <b>Total Hours</b>   |                | <b>21</b> |

<sup>1</sup> Excluding MTH 3318 Data and Chance, MTH 3340 Mathematics through Technology, and MTH 4343 Topics in Mathematics for Prospective Teachers.

## Medical Humanities

The Medical Humanities Major is intended primarily for undergraduate students entering health care professions. The purpose of Medical Humanities is to provide these students with an interdisciplinary humanities curriculum designed to foster: faith and spiritual formation; an understanding of the complexity of health and healing; and respect for the cultural and pluralistic diversity in the University, society at large, and the healing arts. In its purpose, the Medical Humanities program maintains a strong commitment to the Christian heritage and reflects Baylor University's broader mission statement that affirms "...the value of intellectually informed faith and religiously informed education..." in an "...environment that fosters spiritual maturity, strength of character, and moral virtue."

- Pre-Major in Medical Humanities, B.A. (p. 173)
- Medical Humanities, B.A. (p. 173)
- Medical Humanities Minor (p. 174)

## Medical Humanities (MH)

### MH 1303 Freshman Academic Seminar: Medicine, Meaning, and the Patient/Physician Relationship (3)

Introduces first-year students to the world of academics and the scholarly community through exploration of the major themes intrinsic in the physician/patient relationship. Emphasizes critical inquiry and thinking, research, writing, and problem solving.

### MH 1331 Introduction to Medical Humanities (3)

Introduction to the interdisciplinary and wide ranging field of medical humanities, its subjects and scope, and the way in which it can expand and enrich the experiences of patients and practitioners

### MH 1V9R Research (3)

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

### MH 2301 Christian Spirituality and Health Care (3)

An historical framework for Western spiritual traditions, especially the Christian tradition, stressing the relationship between Christian spirituality and healing. (For students interested in Medical Humanities.)

### MH 2V9R Research (3)

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

### MH 3300 Visual Arts and Healing (3)

Pre-requisite(s): For Medical Humanities major/minor students only  
Completion of MH 1331 with a B or better or consent of instructor. An overview of the connections between visual art, healing and health care, the role of imagination and creativity in medicine, including the critical viewing of art, class discussions, experiential learning, and a service-learning project.

### MH 3342 Medicine, Missions, and the Gospel (3)

Pre-requisite(s): Upper-level standing or consent of instructor

An overview of the biblical mandate to meet physical and spiritual needs in the context of Christian health care missions.

### MH 3V9R Research (3)

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.



**MH 4300 History of Medicine (3)**

Cross-listed as HIS 4300, PHI 4300

Pre-requisite(s): Upper-level standing or consent of instructor

A review of the origins and development of medicine and medical science from prehistoric times to the present. Consideration will be given to the impact of major diseases on civilization and the emergence of successful measures of control.

**MH 4351 Supervised Clinical Medicine (3)**

Pre-requisite(s): Departmental approval required

Supervised weekly clinical service through various medical fields complemented by weekly seminar sessions.

**MH 4361 Meaning, Money, and Medicine (3)**

Pre-requisite(s): MH 1331 MH 2301 or consent of instructor

How personal finance concepts relate to a career in health care against the backdrop of Christian spirituality and values. The course connects "vocational calling" to personal character and discusses spending, debt, giving, paying taxes, and investing.

**MH 4372 End-of-Life Care & Bereavement (3)**

This course critically analyzes how healthcare professionals are involved in the dying experience with patients, families, and communities.

Topics include causes of death, trauma, spirituality in grief, complicated bereavement, hospice and palliative care, physician-assisted dying, futile treatment at the end of life, and cross-cultural sensitivities.

**MH 4377 Supervised Hospice Care (3)**

Pre-requisite(s): MH 4372; or consent of instructor

Hands-on hospice experience including shadowing hospice professionals. Must meet hospice employment criteria.

**MH 4382 U.S. Health Care System (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Current state of health care in the United States including function, economic impacts, payment systems, ideas for reform, and issues related to patient safety and quality measures

**MH 4387 Bench to Bedside: Clinical Trials and Translational Science (3)**

Pre-requisite(s): Consent of instructor

An overview of how basic science is translated into novel therapies with an emphasis on "real world" clinical trials.

**MH 4396 Disability and Society (3)**

Critical reflections on questions of humanity, human well-being, understandings of disability, suffering, and care of those with disabilities, with emphasis on cultural, religious, medical and social perspectives.

**MH 4V98 Advanced Topics in Medical Humanities (1-3)**

Pre-requisite(s): Consent of the instructor and upper level standing

Study of advanced topics in Medical Humanities. This course may be repeated once with different topic for a total of 6 hours.

**MH 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Pre-Major in Medical Humanities, B.A.

Students interested in Medical Humanities as a major will choose the Pre-Major in Medical Humanities designation upon enrollment at Baylor. To declare a major in Medical Humanities (B.A. Degree), a student must:

- Complete a minimum of 45 semester hours, at least 15 of which are completed at Baylor.
- Earn a B or better in MH 1331, Introduction to Medical Humanities.
- Earn at least a 3.0 cumulative Baylor GPA.
- Students must qualify for admission to the major before completing 60 hours (75 hours for transfer students).

After 45 hours, students who have declared a Pre-Major in Medical Humanities major will be notified via e-mail if they qualified to declare Medical Humanities as a major. For those who qualify, the University Advisement Office will be notified. For those who do not qualify, the student's major will be changed to Undecided.

## Medical Humanities, B.A. Requirements for a Major in Medical Humanities

| Code   | Title   | Hours |
|--|---|-------|
| Thirty-three semester hours including the following: |   |       |
| <b>Required Courses</b>                              |   |       |
| <i>Medical Humanities Core Courses</i>               |   |       |
| MH 1331  | Introduction to Medical Humanities                  | 3     |
| PHI 1309   | Introduction to Medical Ethics                      | 3     |
| MH 2301  | Christian Spirituality and Health Care              | 3     |
| <i>Medical Humanities Distribution Courses</i>       |   |       |
| <b>Philosophy</b>                                    |   |       |
| Select three semester hours from the following:      |   | 3     |
| PHI 3301   | Moral Philosophy                                    |       |
| PHI 4310   | Philosophy of Science                               |       |
| PHI 4363   | Philosophy and Medicine                             |       |
| <b>Religion &amp; Spirituality</b>                   |   |       |
| Select three semester hours from the following:      |   | 3     |
| MH 3342  | Medicine, Missions, and the Gospel                  |       |
| MH 4361  | Meaning, Money, and Medicine                        |       |
| ANT 4360   | Anthropology of Religion                            |       |
| REL 3345   | World Religions                                     |       |
| REL 3390   | Christian Ethics                                    |       |
| REL 4395   | Bioethics   |       |
| <b>Literature and the Arts</b>                       |   |       |
| Select three semester hours from the following:      |   | 3     |
| MH 3300  | Visual Arts and Healing                             |       |
| ARTH/CLA 4364  | Roman Sculpture                                     |       |
| GTX 3343   | Great Texts in the Origins of Science               |       |
| GTX 4341   | Great Texts in Modern Science                       |       |
| PHI 4325   | Literary and Philosophical Perspectives on Medicine |       |
| <b>Historical Perspectives</b>                       |   |       |
| MH 4300  | History of Medicine                                 | 3     |
| or CLA 4300  | Medicine and Healing in the Ancient World           |       |
| <b>Behavioral Health</b>                             |   |       |
| Select three semester hours from the following:      |   | 3     |
| NSC/PSY 4312   | Behavioral Medicine                                 |       |
| PSY 3321   | Abnormal Psychology                                 |       |
| PSY 3341   | A Survey of Human Development                       |       |

|  |  |
|--|--|
| PSY 3355   | Drugs and Behavior   |
| PSY 3399   | Positive Psychology and Well-Being                             |
| PSY 4355   | Psychology and Aging   |
| EDP 2336   | The Developing Child   |
| EDP 3361   | Developmental Disabilities                                     |
| SWO 4395   | Aging and Mental Health  |
| SWO 4316   | Trauma, Loss, and Mourning                                     |
| Social Sciences and Health   |  |
| Select three semester hours from the following:  |  |
| MH 4372  | End-of-Life Care & Bereavement                                 |
| MH 4382  | U.S. Health Care System  |
| MH 4396  | Disability and Society   |
| ANT 1325   | Introduction to Global Health                                  |
| ANT 4325   | Medical Anthropology   |
| ANT 4330   | Epidemiology   |
| ANT 4373   | One Health: Connecting Global Health and Conservation Medicine |
| ECO 4350   | Economics of Health and Medical Care                           |
| ENV 3314   | Introduction to Environmental Health                           |
| ENV 4325   | Human Health Risk Assessment                                   |
| SOC 3372   | Population Health  |
| SOC 4353   | Sociology of Medicine  |
| Additional Courses   |  |
| Select six semester hours from additional courses from the distribution lists above and from these additional choices: |  |
| Any MH course not previously used  |  |
| CFS 3324   | Children and Families with Special Needs                       |
| CFS 4368   | Family Perspectives on Aging                                   |
| CLA 3381   | Medical Terminology  |
| PUBH 2330  | Introduction to Public and Population Health                   |
| PUBH 3314  | Environmental Health   |
| PUBH 3325  | Maternal and Infant Health                                     |
| PUBH 4321  | Human Sexuality  |
| PUBH 4340  | Global Health  |
| PUBH 4341  | Cross-Cultural Health Communication                            |
| PHP 1103   | Nature of Healthcare Relationships                             |
| PHP 1105   | Foundations of Medicine  |
| PHP 1206   | Introduction to the Health Professions                         |
| PHP 2101   | Foundations of Medical Research                                |
| PHP 2102   | Special Topics in Pre-Health                                   |
| SPA 2321   | Intermediate Spanish for Health Professions                    |
| SPA 4321   | Advanced Spanish for Health Professions                        |
| <b>Total Hours</b>   | <b>33</b>  |

## Medical Humanities Minor

### Requirements for a Minor in Medical Humanities

Students wishing to declare the minor in Medical Humanities must first earn a B or better in MH 1331 Introduction to Medical Humanities.

| Code   | Title  | Hours     |
|--|--|-----------|
| Twenty-one semester hours including the following: |  |           |
| <b>Required Courses</b>                            |  |           |
| <i>Medical Humanities Core Courses</i>             |  |           |
| MH 1331  | Introduction to Medical Humanities                             | 3         |
| PHI 1309   | Introduction to Medical Ethics                                 | 3         |
| MH 2301  | Christian Spirituality and Health Care                         | 3         |
| <i>Medical Humanities Distribution Courses</i>     |  |           |
| Literature and the Arts                            |  |           |
| Select three semester hours from the following:    |  |           |
| MH 3300  | Visual Arts and Healing  |           |
| ARTH/CLA 4364                                      | Roman Sculpture  |           |
| PHI 4325   | Literary and Philosophical Perspectives on Medicine            |           |
| GTX 3343   | Great Texts in the Origins of Science                          |           |
| GTX 4341   | Great Texts in Modern Science                                  |           |
| Historical Perspectives                            |  |           |
| MH 4300  | History of Medicine  | 3         |
| or CLA 4300  | Medicine and Healing in the Ancient World                      |           |
| Behavioral Health                                  |  |           |
| Select three semester hours from the following:    |  |           |
| PSY 3321   | Abnormal Psychology  |           |
| PSY 3341   | A Survey of Human Development                                  |           |
| PSY 3355   | Drugs and Behavior   |           |
| PSY 3399   | Positive Psychology and Well-Being                             |           |
| NSC/PSY 4312                                       | Behavioral Medicine  |           |
| PSY 4355   | Psychology and Aging   |           |
| EDP 2336   | The Developing Child   |           |
| EDP 3361   | Developmental Disabilities                                     |           |
| SWO 4395   | Aging and Mental Health  |           |
| SWO 4316   | Trauma, Loss, and Mourning                                     |           |
| Social Sciences and Health                         |  |           |
| Select three semester hours from the following:    |  |           |
| MH 4372  | End-of-Life Care & Bereavement                                 |           |
| MH 4382  | U.S. Health Care System  |           |
| MH 4396  | Disability and Society   |           |
| ANT 1325   | Introduction to Global Health                                  |           |
| ANT 4325   | Medical Anthropology   |           |
| ANT 4330   | Epidemiology   |           |
| ANT 4373   | One Health: Connecting Global Health and Conservation Medicine |           |
| ECO 4350   | Economics of Health and Medical Care                           |           |
| ENV 3314   | Introduction to Environmental Health                           |           |
| ENV 4325   | Human Health Risk Assessment                                   |           |
| SOC 3372   | Population Health  |           |
| SOC 4353   | Sociology of Medicine  |           |
| <b>Total Hours</b>                                 |  | <b>21</b> |

## Military Science

Military Science (Army ROTC) offers opportunities to develop confidence, self-esteem, and leadership and life skills to succeed in college and beyond. It is an academic curriculum that supplements any major and

is designed to prepare qualified, high potential students for service as commissioned officers in the United States Army and its Reserve Components (the Army Reserve and the Army National Guard).

The Military Science Program is composed of a two-year Basic Course, a two-year Advanced Course, and a five-week leadership summer program known as Advanced Camp. Non-scholarship students enrolling in only freshman and sophomore level classes incur no obligation to serve in the military after graduation.

Upon completion of the requirements for the baccalaureate degree and Military Science training, students are commissioned as second lieutenants in the United States Army. Further, highly qualified commissionees who desire graduate or professional schooling prior to fulfilling their service obligation may apply for a fully-funded educational delay.

Four-year and two-year programs are offered.

#### **Four-Year Program**

The four-year program is divided into two portions, each consisting of four classes normally taken in sequence. The first is the Basic Course, which is usually completed during the freshman and sophomore years. The Basic Course consists of Introduction to Leadership (freshman course) and Basic Leadership (sophomore course). The second portion of the four-year program is called the Advanced Course; it is normally completed during the junior and senior years. The Advanced Course consists of Intermediate Leadership (junior course) and Advanced Leadership (senior course). To enroll in the Advanced Course, a student must successfully complete the Basic Course (or be given equivalent credit by the Professor of Military Science), be of good moral character, have a minimum of two years remaining as a full-time student, have a minimum GPA of 2.0, and be physically qualified. A paid and highly adventurous five-week training session (Advanced Camp) between the junior and senior years is a critically important part of the Advanced Course. All Advanced Course students (both scholarship and non-scholarship) receive monthly cash allowances while participating (full-time) in on-campus instruction. This allowance can be collected for up to 10 months each year.

#### **Two-Year Program**

The two-year program is designed for students who either transfer or elect to begin pursuing a commission in the fall of their junior year. It includes a paid four-week summer training session (Basic Camp) between the sophomore and junior years and the Advanced Course described under the four-year program. Application for the two-year program is normally made during the second semester of the sophomore year. However, the two-year program is also open to juniors and seniors planning attendance at graduate school. The monthly cash allowance for students in the two-year program is the same as for other students in the Advanced Course. Numerous full tuition and fees scholarships are available for qualified two-year program applicants.

#### **Curriculum**

The curriculum consists of the Basic Course and the Advanced Course described above under the Four-Year Program and is further described below.

#### **Pass/Fail or Credit/No Credit Options**

Military Science classes may not be taken on a Pass/Fail or No Credit basis.

#### **Basic Course**

The Basic Course should include MILS 1101 Introduction to Leadership I, MILS 1102 Introduction to Leadership II, MILS 2201 Basic Leadership I, and MILS 2202 Basic Leadership II. Leadership Lab is required for all courses listed above.

#### **Graduate Studies**

Upon application, Military Science graduates may be granted a delay before entering active duty for a period of two or three years from the date of their commission. Authorized purposes are attending graduate school, medical school, or law school. In some cases, the delay may exceed three years. A number of salaried and fully funded graduate programs are also available to top academic performers and medical school applicants who complete the ROTC curriculum.

#### **Waivers**

Part or all of the Basic Course may be waived for veterans with acceptable active duty service. Students transferring from a military academy or military junior college may also receive a waiver for the Basic Course.

#### **Leadership Laboratory**

Every Military Science student is required to participate in the weekly leadership lab in addition to the scheduled class periods. The lab meets every Thursday, 3:30-5:20 p.m., during the semester, and provides leadership training, military skills training, tactical training, and drill and ceremonies instruction. Leadership experience is gained by students managing, leading, and teaching other students within the framework of the Cadet Battalion. All leadership positions are filled by upper-class cadets who are responsible for planning and executing each lab period under the guidance of seasoned Army officers and noncommissioned officers.

## **Modern Languages and Cultures**

The Department of Modern Languages and Cultures prepares students for the challenges and opportunities of global citizenship by fostering both linguistic proficiency and intercultural awareness within a nurturing community of scholars.

### **Division of Asian & African Languages**

- Division of Asian and African Languages (p. 188)
  - Arabic and Middle East Studies, B.A. (p. 188)
  - Arabic and Middle East Studies - Secondary Major (p. 188)
  - Arabic Minor (p. 189)
  - Chinese Minor (p. 189)
  - Japanese Minor (p. 189)

### **Division of French & Italian**

- Division of French and Italian (p. 189)
  - French, B.A. (p. 189)
  - French - Secondary Major (p. 189)
  - French Minor (p. 189)
  - Italian Studies - Secondary Major (p. 189)
  - Italian Minor (p. 190)

### **Division of German & Russian**

- Division of German and Russian (p. 190)
  - German, B.A. (p. 190)
  - German - Secondary Major (p. 190)

- German Minor (p. 190)
- Russian, B.A. (p. 190)
- Russian - Secondary Major (p. 190)
- Russian Minor (p. 191)

## Division of Spanish & Portuguese

- Division of Spanish and Portuguese (p. 191)
  - Spanish, B.A. (p. 191)
  - Spanish - Secondary Major (p. 191)
  - Spanish Minor (p. 191)
  - Spanish for Healthcare Professions Certificate (p. 192)

## Area Studies Programs

- Area Studies Programs (p. 192)
  - Asian Studies (p. 192)
  - Latin American Studies (p. 195)
  - Middle East Studies Minor (p. 196)
  - Slavic and East European Studies (p. 197)
  - World Affairs Minor (p. 198)

## Arabic (ARB)

### ARB 1101 Arabic Language Workshop (1)

For Music students, supplemental language training to accompany regular 1301 language sections.

### ARB 1102 Arabic Language Workshop (1)

For music students, supplemental language training to accompany regular 1302 language sections.

### ARB 1301 Introduction to Arabic (3)

Introduction to Arabic language and culture(s); practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress toward novice proficiency level

### ARB 1302 Intro to Arabic (3)

Pre-requisite(s): ARB 1301 or consent of instructor  
Introduction to Arabic language and culture(s); practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate proficiency

### ARB 2310 Intermediate Spoken/Modern Standard Arabic (3)

Pre-requisite(s): ARB 1302 or consent of instructor  
Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading)

### ARB 2320 Arabic Popular Culture (3)

Pre-requisite(s): ARB 2310 or four units of high school Arabic  
Exploration and familiarization with the most popular elements of Arabic culture relevant to daily life: (1) Friends and Family Relationship, (2) Celebrations of the Religious Occasions, (3) Business and Shopping, (4) Politics in the Middle East.

### ARB 3301 Advanced Arabic Grammar (3)

Pre-requisite(s): ARB 2320 or consent of instructor or Division Director  
Review of grammar and study of advanced structures in complex communication.

### ARB 3302 Arabic Conversation and Composition (3)

Pre-requisite(s): ARB 2320

Advanced practice in oral and written communication.

### ARB 3304 Advanced Topics in Arabic Language and Literature (3)

Pre-requisite(s): ARB 3302

Development of advanced skills in areas of writing, reading aloud, and listening in Modern Standard Arabic, on topics of general and professional interests, including aspects of Arabic culture and literature.

### ARB 3305 Arabic for Special Purposes (3)

Pre-requisite(s): ARB 2320 or consent of instructor or Division Director  
Business, technical, and/or scientific discourses in the context of the Arabic language and Middle Eastern cultures.

### ARB 3V70 Special Topics (1-3)

Prerequisite/s: Consent of instructor and Division Director of Asian and African Languages, in the department of Modern Foreign Languages.  
Independent study in Arabic Language, literature, or culture with a professor. With content changed, this course may be repeated once for a maximum of six hours of credit.

### ARB 3V9R Research (3)

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

### ARB 4331 Classical Arabic Texts (3)

Pre-requisite(s): ARB 3301, 3302, 3304, or 3305, or consent of instructor or Division Director  
Ideals and traditions of poetry and prose from the sixth to the nineteenth century, using sacred scriptures, early oratory, and masterpieces from the Near East, Egypt, and North Africa.

### ARB 4345 Media and Popular Culture in the Arabic-Speaking World (3)

Pre-requisite(s): ARB 3301, 3302, 3304, or 3305; or consent of instructor or Division Director  
Current newspaper and magazine articles, radio broadcasts, and a variety of multimedia used to increase language skills and understanding of contemporary Arabic-speaking popular culture.

### ARB 4V9R Research (3)

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Asian Studies (AST)

### AST 2380 The Peoples and Culture of Asia (3)

An introduction to contemporary Asian economy, politics, and society.

### AST 3305 Traditional China (3)

Cross-listed as HIS 3305

See HIS 3305 for course information.

### AST 3307 Japan (3)

Cross-listed as HIS 3307

See HIS 3307 for course information.

### AST 3314 Politics and Problems of Developing Countries (3)

Cross-listed as PSC 3314

See PSC 3314 for course information.

### AST 3315 Geography of East Asia (3)

Pre-requisite(s): Upper-level standing  
Geographical analysis of physical, cultural, economic, and political factors in East Asia, including land and resource usage, population changes, and economic development.

**AST 3345 World Religions (3)**

Cross-listed as REL 3345

See REL 3345 for course information.

**AST 3390 Special Studies and Projects (3)**

Special studies and research projects in Asian studies; prior approval is required. With content changed, this course may be repeated once for a maximum of six semester hours credit.

**AST 3V80 Special Topics in Asian Studies (1-6)**

A study of special topics relating to Asia. With content changed, this course may be repeated once for a maximum of six semester hours credit.

**AST 4305 Modern China (3)**

Cross-listed as HIS 4305

See HIS 4305 for course information.

**AST 4310 Societies and Cultures of East Asia (3)**

Cross-listed as ANT 4310

See ANT 4310 for course information.

**AST 4325 Asian International Relations (3)**

Cross-listed as PSC 4325

See PSC 4325 for course information.

**AST 4335 Asian Economic Development (3)**

Cross-listed as ECO 4335, INB 4335

See ECO 4335 for course information.

**AST 4338 Economic Systems of the World (3)**

Cross-listed as ECO 4338, INB 4338

See ECO 4338 for course information.

**AST 4340 East Asian Philosophy (3)**

Cross-listed as PHI 4340

See PHI 4340 for course information.

**AST 4346 Topics in Asian Religions (3)**

Cross-listed as REL 4346

See REL 4346 for course information.

**AST 4350 Seminar in Asian Studies (3)**

An interdisciplinary seminar focusing on appropriate topics in the field of Asian studies. With content changed, this course may be repeated once for a maximum of six semester hours.

**AST 4362 Traditional Music and Culture in Asia (3)**

Cross-listed as MUS 4362

See MUS 4362 for course information.

**AST 4364 The Governments and Politics of the Asia-Pacific Region (3)**

Cross-listed as PSC 4364

See PSC 4364 for course information.

**AST 4366 Oriental Views of Art (3)****AST 4374 Governments and Politics of East Asia (3)**

Cross-listed as PSC 4374

See PSC 4374 for course information.

**AST 4376 Asian Literature in Translation (3)**

Cross-listed as MFL 4376

Introduces major writers of Asia and their representative works. Course content varies. Readings may emphasize one national literature or survey the significant works in several literatures, stressing the genres and techniques specific to Asian cultures.

**AST 4388 Contemporary Chinese Society and Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Contemporary China's social, cultural, political and economic changes, transformations, challenges since 1978, through an interdisciplinary approach.

**AST 4390 Reading Course in Political Science (3)**

Pre-requisite(s): Senior standing and the consent of the chairperson of the department

A tutorial course designed for advanced study in political science.

**AST 4V80 Contemporary Issues in Asian Studies (1-3)**

Flexible credit options for the study of contemporary issues in Asian studies for upper-level and graduate students. With content changed, this course may be repeated once for a maximum of six semester hours; a maximum of three hours may be earned for graduate credit.

## Chinese (CHI)

**CHI 1101 Chinese Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**CHI 1102 Chinese Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**CHI 1301 Elementary Chinese (3)**

Introduction to the Chinese language and culture; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students progress through novice proficiency levels

**CHI 1302 Elementary Chinese (3)**

Pre-requisite(s): CHI 1301 or 2 units of high school Chinese

Introduction to the Chinese language and culture; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students progress from novice toward intermediate-level proficiency

**CHI 2310 Intermediate Chinese (3)**

Pre-requisite(s): CHI 1302 or three units of high school Chinese

Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students attain intermediate-level proficiency in Chinese.

**CHI 2320 Intermediate Chinese for Communication (3)**

Prerequisite(s) CHI 2310 or four units of high school Chinese. This course intends to develop spoken and communicative skills in Chinese at the Intermediate Level. Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

**CHI 3301 Chinese Conversation, Composition, and Readings I (3)**

Pre-requisite(s): Fourteen semester hours of Chinese or consent of division director

Development of communication and reading skills.

**CHI 3302 Chinese Conversation, Composition, and Readings II (3)**

Pre-requisite(s): Fourteen semester hours of Chinese or consent of division director

Continuation of CHI 3301.



**CHI 3305 Chinese for Business I (3)**

Pre-requisite(s): CHI 3301 or consent of instructor  
Designed to help students develop competency in using Chinese in business contexts; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Classes conducted in Chinese.

**CHI 3306 Chinese for Business II (3)**

Pre-requisite(s): CHI 3305  
Development of advanced communicative skills in Chinese, through a focus on China's fast-changing economy and business. Uses business case studies to foment understanding of Chinese business culture and practices.

**CHI 3310 Chinese Language and Culture through Films (3)**

Pre-requisite(s): CHI 3302 or consent of instructor  
Use of Chinese films to help students improve language proficiency to the advanced level; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

**CHI 3V70 Special Problems (1-3)**

Pre-requisite(s): Consent of division director  
With content changed, this course may be repeated once for credit.

**CHI 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**CHI 4301 Chinese Literature and Culture I (3)**

Pre-requisite(s): CHI 3302 or consent of instructor  
An analytical study of the representative works of literature, history, and philosophy from the early Zhou through the Han dynasties.

**CHI 4302 Chinese Literature and Culture II (3)**

Pre-requisite(s): CHI 3302 or consent of instructor  
An analytical study of the representative works of literature, history, and philosophy since the Wei dynasty.

**CHI 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## French (FRE)

**FRE 1101 French Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**FRE 1102 French Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**FRE 1301 Elementary French (3)**

Introduction to French language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**FRE 1302 Elementary French (3)**

Pre-requisite(s): FRE 1301  
Introduction to French language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency.

**FRE 1412 Accelerated Elementary French (4)**

Pre-requisite(s): Appropriate score on departmental placement exam; or departmental approval

An intensive course in first-year college French especially for students with two-three years of high school French. Covers the content of FRE 1301 and 1302 in only one semester. As grammar is reviewed, emphasis is placed on the major skill areas (ACTFL Guidelines): reading, writing, listening, speaking, and cultural awareness.

**FRE 2310 Intermediate French (3)**

Pre-requisite(s): FRE 1302 or 1412 or appropriate score on departmental placement exam; or departmental consent  
Introduction to French language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**FRE 2312 Intermediate French for Business (3)**

Pre-requisite(s): FRE 1402 or FRE 1412 or appropriate score on departmental placement exam  
Introduction to French business publications and development of communication skills within a business context. This course is designed primarily for students seeking a B.B.A. degree, but may be substituted for FRE 2310 and used in fulfillment of the foreign language requirement in the College of Arts and Sciences.

**FRE 2320 Passport to the French-Speaking World (3)**

Pre-requisite(s): FRE 2310 or 2312 or appropriate score on departmental placement exam; or departmental approval  
An exploration of the numerous facets of French and Francophone culture including art, music, cinema, literature, history, geography, cuisine, media, and pop culture while expanding upon the language skills developed in the preceding three semesters.

**FRE 2321 French for Health Professions (3)**

Pre-requisite(s): FRE 2310 or 2312 or appropriate score on departmental placement exam; or departmental approval  
Intermediate French course designed to meet the needs and interests of prospective medical and health-care professionals.

**FRE 3301 Advanced French Grammar (3)**

Pre-requisite(s): FRE 2320 or appropriate score on departmental placement exam; or departmental approval  
A review of familiar French grammar and an exploration of complex grammatical structures in a communicative context.

**FRE 3302 Conversational French (3)**

Pre-requisite(s): FRE 2320 or appropriate score on departmental placement exam; or departmental approval  
Conversation, original composition.

**FRE 3305 Introduction to Commercial French (3)**

Pre-requisite(s): One 3000 level French course or consent of division director  
Study of the essential vocabulary and style specific to French business, the basic workings of the French economy, the services which support the system. Discussions and oral reports in French, translations, writing business correspondence.

**FRE 3306 French Phonetics (3)**

Pre-requisite(s): FRE 2320  
A review of the French sound system through practice in pronunciation.

**FRE 3307 Bon appetit!: Cuisine and Culture in the French-Speaking World (3)**

Pre-requisite(s): FRE 2320 or consent of Division Director  
The cuisine and culture of France and the Francophone world.

**FRE 3308 French and Francophone Pop Culture (3)**

Pre-requisite(s): FRE 2320

Popular culture in France and the Francophone world as represented in film, music, popular literature, mass media, gastronomy, and fashion.

**FRE 3309 French Art in Conversation (3)**

Pre-requisite(s): FRE 2320 or consent of Division Director

Conversation course focusing on French and Francophone art.

**FRE 3310 Introduction to French Literature (3)**

Pre-requisite(s): FRE 2320

Introduction to French literature through the study of selected major works.

**FRE 3312 Children's Literature in French (3)**

Pre-requisite(s): FRE 2320

Children's literary genres including the classic novel, the short story, picture books, folk and fairy tales, as well as African contes.

**FRE 3315 Panorama of French Theatre (3)**

Pre-requisite(s): FRE 2320

A study of French theater involving the reading, discussion, viewing, and performance of representative plays from the middle ages to the twentieth century.

**FRE 3320 Conversation and Composition in Paris (3)**

Pre-requisite(s): FRE 2320 or consent of division director

Further development of communication skills through discussions, projects, and original composition. Geared to the intensive environment of the Baylor-in-Paris program.

**FRE 3325 Advanced Conversation and Composition (3)**

Pre-requisite(s): FRE 2320

Advanced oral and written communication.

**FRE 3328 Around the Francophone World in 45 Days (3)**

Pre-requisite(s): FRE 2320

Introduction to Francophone cultures around the world, including arts, films and literatures.

**FRE 3330 Introduction to French Cinema (3)**

Pre-requisite(s): FRE 2320

Study of French film for insights into French culture as well as for the enhancement of language skills.

**FRE 3337 French Civilization (3)**

Pre-requisite(s): One 3000 level French course or consent of division director

The social, cultural, historical, and intellectual aspects of French civilization from its origins to the twentieth century.

**FRE 3338 Contemporary France (3)**

Pre-requisite(s): One 3000 level French course; or consent of division director

Contemporary French culture from the beginning of the Fifth Republic in 1958 to the present.

**FRE 3340 Paris: A Cultural Overview (3)**

Pre-requisite(s): FRE 2320

The culture, history and urban make-up of Paris as well as its place in French literature, cinema and the "chanson." Use of texts, music, film and the Internet.

**FRE 3341 Tour de France: Regions and Provinces (3)**

Pre-requisite(s): FRE 2320

The cultural, economic, geographical and historical aspects of France's regions and former provinces.

**FRE 3348 A Moveable Feast: An Exploration of Paris and Its Culture (3)**

Pre-requisite(s): FRE 2320

Chronological study of Paris through literary texts, theatrical presentations, and excursions to cultural and historic sites in and around the city

**FRE 3351 Introduction to French Linguistics (3)**

Pre-requisite(s): FRE 2320 or division approval

The systematic study of the sounds, structures, and meanings of the French language and its dialects.

**FRE 3V70 Special Problems (1-3)**

Pre-requisite(s): Consent of division director

With content changed, this course may be repeated once for credit.

**FRE 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**FRE 4301 Topics in French Grammar (3)**

Pre-requisite(s): FRE 3301 or consent of instructor

Continued study of French grammar focusing on problematic structures.

**FRE 4315 Methods of Foreign Language Teaching (3)**

Cross-listed as GER 4315, SPA 4315

See SPA 4315 for course information.

**FRE 4328 Francophone Culture and Literature (3)**

Pre-requisite(s): One 3000 level French course or consent of division director

Selected readings, films, and music from Francophone Africa, Caribbean, America, and Asia.

**FRE 4330 Survey of French Cinema (3)**

Cross-listed as FDM 4330

Pre-requisite(s): Upper-level standing or consent of the instructor

New course description: The history of French cinema from the Lumiere brothers in the 1890s to contemporary French film. Taught in English and does not count towards the language requirement.

**FRE 4331 French Writers and Ideas I: From Roland to Revolution (3)**

Pre-requisite(s): One 3000 level French course or consent of division director

French literature from its origin through the eighteenth century.

**FRE 4332 French Writers and Ideas II: From Romanticism to Post-Modernism (3)**

Pre-requisite(s): One 3000 level French course or consent of the instructor

French literature of the nineteenth and twentieth centuries.

**FRE 4341 French Media (3)**

Pre-requisite(s): One 3000 level French course or consent of division director

Current newspaper and magazine articles, recordings of radio broadcasts, and video cassettes are used to increase language skills and understanding of contemporary French culture.

**FRE 43C0 French Senior Capstone (3)**

Pre-requisite(s): Three French courses at the 3000/4000 level and upper-level standing

The study of a general theme from both a literary and a cultural perspective. Topic varies from year to year.

**FRE 4V90 Independent Study (1-3)**

Pre-requisite(s): Consent of division director

Independent study in French language or literature in consultation with a professor. Examination and term paper. With content changed, this course may be repeated once for credit.

**FRE 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**FRE 5370 French for Graduate Students I (3)**

Reading of intermediate-level French texts. No previous language experience required. Limited to graduate students or to undergraduates by petition. Does not count toward foreign language requirement for undergraduate students.

**FRE 5371 French for Graduate Students II (3)**

Pre-requisite(s): FRE 5370 or consent of instructor

Continuation of FRE 5370. Reading of intermediate-level French texts. No previous language experience required. Limited to graduate students or to undergraduates by petition. Does not count toward foreign language requirement for undergraduate students.

## German (GER)

**GER 1301 Elementary German (3)**

Introduction to German language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency.

**GER 1302 Elementary German (3)**

Pre-requisite(s): GER 1301 or equivalent

Continuation of GER 1301. Introduction to German language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Further progress from novice toward intermediate-level proficiency

**GER 1412 Accelerated Elementary German (4)**

Completes content of GER 1301 and GER 1302 in one semester.

Motivated students or those seeking a review of previous German study should make rapid progress in this course

**GER 2310 Intermediate German (3)**

Pre-requisite(s): GER 1302 or 1412, or appropriate score on departmental placement exam, or departmental approval

Intermediate German language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading); continuing progress toward intermediate-level proficiency.

**GER 2312 Intermediate German for Business (3)**

Pre-requisite(s): GER 1302 or GER 1412 or equivalent; or departmental approval

Introduction to German business publications and development of communication skills within a business context. This course is designed primarily for students seeking a B.B.A. degree, but may be substituted for GER 2310 and used in fulfillment of the foreign language requirement in the College of Arts and Sciences.

**GER 2320 German for Modern Life (3)**

Pre-requisite(s): GER 2310 or equivalent

An exploration of topics that affect life and society for today's German-speaking populations. Continued practice in listening, speaking, reading, and writing German at the intermediate level. Class conducted in German, with emphasis on developing conversational skills and cultural competency.

**GER 2412 Accelerated Intermediate German (4)**

Pre-requisite(s): Prerequisite(s): GER 1302 or GER 1412 or equivalent; or departmental approval

Completes content of GER 2310 and GER 2320 in one semester.

Motivated students or those seeking a review of previous German study should make rapid progress in this course.

**GER 3301 German Conversation and Composition (3)**

Pre-requisite(s): GER 2320 or GER 2412 or appropriate score on departmental placement exam; or departmental approval

Further development of communication skills. Required of all German majors.

**GER 3302 German Reading Development (3)**

Pre-requisite(s): GER 2320 or GER 2412 or equivalent; or departmental approval

Development of German reading skills through grammar review and reading of selections from various areas of the arts and sciences.

**GER 3311 German Proficiency (3)**

Pre-requisite(s): GER 3301 or GER 3302 or equivalent; or departmental approval

Systematic review of high-frequency grammar structures, acquisition of new structures, and application of stylistics in a workshop format.

**GER 3341 Introduction to German Culture: Germany in the Making (3)**

The history and culture of the German-speaking area, from the Romans to the present day, concentrating on what will become the nation of Germany. Taught in English.

**GER 3343 Baylor in Germany: The Dresden Experience (3)**

Pre-requisite(s): GER 1302 or GER 1412, or departmental approval

Culturally-based course in the Baylor in Germany (Dresden) summer program. Emphasizes issues of German and American identities. May not be offered every summer.

**GER 3345 Introduction to German Film: German Culture from Berlin to Hollywood (3)**

German culture through German film including cinematic traditions of the Weimar Republic and prominent German directors who emigrated to the United States, Nazi film, post-war cinema in East and West Germany, and the international media context since German unification. Conducted in English.

**GER 3352 Modern German Short Prose (3)**

Pre-requisite(s): GER 3301 or GER 3302 or equivalent; or departmental approval

Emphasis on German short prose fiction of the twentieth century.

**GER 3353 German Drama (3)**

Pre-requisite(s): GER 3301 or GER 3302 or equivalent; or departmental approval

Emphasis on the drama of the nineteenth and twentieth centuries.

**GER 3354 German Poetry (3)**

Pre-requisite(s): GER 3301 or GER 3302 or equivalent; or departmental approval

Survey of the German lyric.

**GER 3355 Exploring the German Literary Tradition (3)**

Pre-requisite(s): GER 2320 or 2412 or departmental approval

The literary tradition of the German-speaking world from 1750 to the 20th century. May be organized around topics chosen by instructor.

**GER 3356 Kontext Deutschland (3)**

Pre-requisite(s): GER 2320 or GER 2412 or equivalent, or departmental approval

Social and political events and movements viewed through literature, creating a framework for understanding contemporary Germany and the Germans. Taught in German.

**GER 3361 Study Abroad: Advanced Language (3)**

Pre-requisite(s): GER 2320 or 2412 or permission from Division Director

For students taking advanced German language during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 3363 Study Abroad: Special Topics in Literature (3)**

Pre-requisite(s): GER 2320 or 2412 or permission of Division Director

For students studying topics in the literature of the German-speaking world during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 3365 Study Abroad: Special Topics in Culture Studies (3)**

Pre-requisite(s): GER 2320 or 2412 or permission of Division Director

For students studying topics dealing with the cultural history of or modern life in the German-speaking world during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 3367 Study Abroad: Special Topics in Linguistics (3)**

Pre-requisite(s): GER 2320 or GER 2412 or permission of Division Director

For students studying topics in Linguistics pertaining to the German-speaking world, during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 3V70 Special Problems (1-3)**

Pre-requisite(s): Consent of division director

With content changed, this course may be repeated once for credit.

**GER 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**GER 4301 Survey of German Literature (3)**

Pre-requisite(s): GER 3302, or departmental approval

German literature from Old High German to Enlightenment.

**GER 4302 Survey of German Literature, continued (3)**

Pre-requisite(s): GER 3302, or departmental approval

German literature from Enlightenment to Poetic Realism.

**GER 4303 Survey of German Literature, continued (3)**

Pre-requisite(s): GER 3302, or departmental approval

Survey of German literature from Naturalism to the present.

**GER 4305 German Literature of the Classical Period (3)**

Pre-requisite(s): GER 3302, or departmental approval

Masterpieces of the late eighteenth and early nineteenth centuries with emphasis on Lessing, Schiller, and Goethe.

**GER 4306 Goethe's Faust (3)**

Pre-requisite(s): GER 3302, or departmental approval

Faust I and selected readings from Faust II.

**GER 4307 German Literature of the Nineteenth Century (3)**

Pre-requisite(s): GER 3302, or departmental approval

Emphasis on Romanticism.

**GER 4308 German Literature of the Nineteenth Century, continued (3)**

Pre-requisite(s): GER 3302, or departmental approval

Emphasis on Junges Deutschland and Realism.

**GER 4309 German Literature of the Twentieth Century (3)**

Pre-requisite(s): GER 3302, or departmental approval

Varied readings from modern German literature.

**GER 4315 Methods of Foreign Language Teaching (3)**

Cross-listed as FRE 4315, SPA 4315

See SPA 4315 for course information.

**GER 4320 Special Topics in German (3)**

Pre-requisite(s): GER 3301 and 3302; or consent of instructor

Special topics of study in the disciplines of German literature, German culture, and/or German linguistics not covered by regular course offerings. The course may be repeated four times when content differs.

**GER 4361 Study Abroad: Seminar in Language (3)**

Pre-requisite(s): One GER class at the 3000 level or permission of Division Director

For students taking a more advanced German language class during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 4363 Study Abroad: Seminar in Literature (3)**

Pre-requisite(s): One GER class at the 3000 level or permission of Division Director

For students taking a more advanced seminar in the literature of the German-speaking world during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 4365 Study Abroad: Seminar in Culture Studies (3)**

Pre-requisite(s): One GER class at the 3000 level or permission of Division Director

For students taking a more advanced seminar dealing with the cultural history of or modern life in the German-speaking world during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 4367 Study Abroad: Seminar in Linguistics (3)**

Pre-requisite(s): One GER class at the 3000 level or permission of Division Director

For students taking a more advanced seminar in Linguistics pertaining to the German-speaking world. May be repeated once for credit with different emphases.

**GER 4V90 Independent Study (1-3)**

Pre-requisite(s): Consent of division director

Independent study in German language and literature in consultation with a professor. Examination and term paper. With content changed, this course may be repeated once for credit.

**GER 4V9R Research (3)****GER 5370 German for Graduate Students I (3)**

Reading of intermediate-level German texts. No previous language experience required. Limited to graduate students or to undergraduates by petition. Does not count toward foreign language requirement for undergraduate students.



**GER 5371 German for Graduate Students II (3)**

Pre-requisite(s): GER 5370 or consent of instructor  
Continuation of GER 5370. Reading of intermediate-level German texts.  
No previous language experience required. Limited to graduate students or to undergraduates by petition. Does not count toward foreign language requirement for undergraduate students.

**Italian (ITA)****ITA 1101 Italian Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**ITA 1102 Italian Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**ITA 1301 Elementary Italian (3)**

Introduction to Italian language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**ITA 1302 Elementary Italian (3)**

Pre-requisite(s): ITA 1301 or two units of high school Italian  
Introduction to Italian language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**ITA 2310 Intermediate Italian (3)**

Pre-requisite(s): ITA 1302 or three units of high school Italian  
Introduction to Italian language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**ITA 2320 Pathways in Italian Culture (3)**

Pre-requisite(s): ITA 2310 or four units of high school Italian  
An exploration of the numerous facets of Italian culture including art, history, geography, and influence while expanding upon the language skills developed in the preceding three semesters.

**ITA 3301 Advanced Italian Grammar (3)**

Pre-requisite(s): ITA 2320 or consent of instructor  
Review of problematic grammar and the study of advanced structures in complex communication.

**ITA 3302 Italian Conversation, Reading, and Composition (3)**

Pre-requisite(s): ITA 2320 or consent of instructor  
Development of communication skills through the study of Italian civilization, culture, and selected works of literature.

**ITA 3307 Italian Food Culture (3)**

Pre-requisite(s): ITA 2320 or consent of instructor  
Survey of the rich landscape of Italian gastronomy from the Roman Empire to present times.

**ITA 3308 Italian Pop Culture (3)**

Pre-requisite(s): ITA 2320  
Popular culture in Italy as represented in film, music, popular literature, and mass media.

**ITA 3310 Introduction to Italian Literature (3)**

Pre-requisite(s): ITA 2320 (or equivalent) or consent of instructor  
Introduction to Italian literature through the study of selected works.

**ITA 3320 Conversation and Composition in Tuscany (3)**

Pre-requisite(s): ITA 2320 or consent of Baylor in Tuscany director  
Further development of oral and written skills within the context of the Baylor in Tuscany program.

**ITA 3330 Italian Through Film (3)**

Pre-requisite(s): ITA 2320 (or equivalent) or consent of instructor  
Development of communication skills through viewing and discussing Italian movies.

**ITA 3337 Italian Civilization (3)**

Pre-requisite(s): ITA 2320 or consent of the instructor  
The social, cultural, historical, and intellectual aspects of Italian civilization from its origin to the present.

**ITA 3342 Giro d'Italia: Regions of Italy (3)**

Pre-requisite(s): ITA 2320 or consent of instructor  
The geographic, historical, cultural, and economic aspects of Italy's regions.

**ITA 3348 Florence and Its Cultural Treasures (3)**

Pre-requisite(s): ITA 2320 or consent of Baylor in Tuscany director  
The history and cultural heritage of Florence, from antiquity to the present, within the context of the Baylor in Tuscany program.

**ITA 3V70 Special Problems (1-3)**

Pre-requisite(s): ITA 2320 or consent of instructor  
Independent study in Italian language or literature. With content changed, this course may be repeated once for credit.

**ITA 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ITA 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**Japanese (JPN)****JPN 1101 Japanese Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**JPN 1102 Japanese Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**JPN 1301 Introductory Japanese (3)**

Introduction to the Japanese language and culture; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students progress through novice proficiency levels

**JPN 1302 Elementary Japanese (3)**

Pre-requisite(s): JPN 1301 or two units of high school Japanese  
Introduction to the Japanese language and culture; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students progress from novice toward intermediate-level proficiency

**JPN 2310 Intermediate Japanese (3)**

Pre-requisite(s): JPN 1302 or three units of high school Japanese  
Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading) to help students attain intermediate-level proficiency in Japanese.



**JPN 2320 Exploring Japan (3)**

Pre-requisite(s): JPN 2310 or four units of high school Japanese  
Practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading) to help students develop language skills in Japanese at the Intermediate Level. Explores aspects of Japanese culture and society.

**JPN 3301 Advanced Japanese I (3)**

Pre-requisite(s): JPN 2320 or consent of instructor  
Integration of intermediate-level Japanese reading, writing, listening, and speaking skills with content knowledge to prepare students for advanced-level Japanese courses

**JPN 3302 Japanese Culture through Reading (3)**

Pre-requisite(s): JPN 3301 or consent of instructor  
Development of reading skills in Japanese through selected texts that focus on some aspect of Japanese culture, including food, literature, cultural identity, current events, and film and criticism. May be repeated once for a maximum of 6 hours credit when topic varies.

**JPN 3303 Japanese Conversation and Composition (3)**

Pre-requisite(s): JPN 2320  
Further development of communication skills through conversation and composition.

**JPN 3304 Japanese Civilization (3)**

Pre-requisite(s): JPN 3301, 3302, or 3303  
Japanese history and culture in the target language.

**JPN 3305 Japanese for the Professions (3)**

Pre-requisite(s): JPN 3301  
Development of cultural competence and Japanese language proficiency in business and other professional workplace situations. Includes authentic and current materials to develop understanding of the business practices, corporations and various industries in Japan.

**JPN 3306 Japanese Cinema (3)**

Pre-requisite(s): JPN 3301  
Critical analysis of Japanese films from 1950s to present. Designed to develop cultural competence and Japanese proficiency through discussions and presentations.

**JPN 3352 Japanese Theatre and CultureJapanese Theatre and Culture (3)**

Cross-listed as THEA 3352  
See THEA 3352 for course information.

**JPN 3V70 Special Topics in Japanese (1-3)**

Pre-requisite(s): Consent of instructor  
Special topics in Japanese language, literature, and culture. With content changed, may be repeated for a total of 6 hours.

**JPN 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**JPN 4V90 Special Topics in Japanese (1-3)**

Pre-requisite(s): JPN 3301, JPN 3302, JPN 3303, and JPN 3304; or consent of instructor  
An independent study course in Japanese language and culture or literature on a topic selected by the student in consultation with the instructor. With content changed, this course may be repeated once for up to six semester hours of credit.

**JPN 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**Korean (KOR)****KOR 1101 Korean Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**KOR 1102 Korean Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**KOR 1301 Elementary Korean (3)**

Introduction to the Korean language and culture; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students progress through novice proficiency levels

**KOR 1302 Elementary Korean (3)**

Pre-requisite(s): KOR 1301 or two units of high school Korean  
Introduction to the Korean language and culture; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students progress from novice toward intermediate-level proficiency

**KOR 2310 Intermediate Korean (3)**

Pre-requisite(s): KOR 1302 or three years of high school Korean  
Designed to help students attain intermediate-level proficiency in Korean. Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

**KOR 2320 Intermediate Korean II (3)**

Pre-requisite(s): KOR 2310 or four years of high school Korean  
This course will continue to help students develop spoken and communicative skills in Korean at the Intermediate Level. Practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

**Latin American Studies (LAS)****LAS 1301 Latin American Nations and People (3)**

This course provides an interdisciplinary introduction to the cultural traditions and institutions of the Western Hemisphere, including Mexico, Central America, South America, and the Caribbean.

**LAS 2301 An Introduction to Latin American Studies (3)**

An interdisciplinary introduction to Latin American Studies.

**LAS 3390 Special Studies in Latin American Studies (3)**

Studies

**LAS 4350 Latin American Studies Seminar (3)**

An interdisciplinary seminar to focus on topics related to Mexico, Argentina, Brazil, Central America, and developing Latin American nations. This course can be taken more than once since its content is different every year.

**LAS 4351 The History of Gender in Latin America (3)**

Cross-listed as HIS 4350  
See HIS 4350 for course information.

**LAS 4364 Traditional Music and Culture in Latin America (3)**

Cross-listed as MUS 4364  
See MUS 4364 for course information.

**LAS 4390 Advanced Reading and Research in Latin American Studies (3)**

Advanced reading and research in Latin American studies. The content and methodology of this course should be approved by the Latin American Studies Committee.

**Middle East Studies (MES)****MES 2301 Introduction to the Middle East (3)**

A regional geographic introduction to the Middle East region. An overview of the physical, cultural, ethnographic, economic and geopolitical components of the region followed by a more in-depth description of selected political states.

**MES 3V00 Biblical Heritage and Contemporary Society in the Holy Land (1-3)**

Cross-listed as REL 3V00

See REL 3V00 for course information.

**MES 4378 Religion & Politics in the Middle East (3)**

Pre-requisite(s): Upper-level standing

An examination of the relationship between religion and politics in select countries of the Middle East.

**MES 4V01 Readings in Mid-East Studies (1-3)**

Pre-requisite(s): Senior standing and approval of Director of Middle East Studies

A tutorial course, individually designed to either allow in-depth study of special topic of student/faculty interest; or allow for a student to have individualized instruction in a broad area of Middle East studies. Details arranged. The course may be repeated once when content differs.

**Portuguese (POR)****POR 1101 Portuguese Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**POR 1102 Portuguese Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**POR 1301 Elementary Portuguese (3)**

Introduction to Portuguese language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice proficiency levels

**POR 1302 Elementary Portuguese (3)**

Pre-requisite(s): POR 1301 or 1401, or two units of high school Portuguese

Introduction to Portuguese language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**POR 2310 Intermediate Portuguese (3)**

Pre-requisite(s): POR 1302 or three units of high school Portuguese  
Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

**POR 2320 Exploring the Portuguese-Speaking World (3)**

Pre-requisite(s): POR 2310 or four units of high school Portuguese

An exploration of the cultures of the Portuguese-speaking world with continued practice listening, speaking, reading, and writing POR at the intermediate level. Class conducted in Portuguese, with emphasis on developing conversational skills. Topics vary by section but may include Pop Culture, Music, Film, Literature, Art, Social Media, Journalism of the Portuguese-speaking world.

**POR 3V90 Special Topics in Portuguese (1-3)**

Pre-requisite(s): POR 2320 or consent of the instructor

Independent study of Portuguese language and/or culture. With content changes, may be repeated for up to 6 credits.

**Russian (RUS)****RUS 1101 Russian Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**RUS 1102 Russian Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**RUS 1301 Elementary Russian (3)**

Introduction to Russian language and culture: practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice proficiency

**RUS 1302 Elementary Russian (3)**

Pre-requisite(s): RUS 1301 or two units of high school Russian  
Introduction to Russian language and culture: practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate proficiency level.

**RUS 2310 Intermediate Russian (3)**

Pre-requisite(s): RUS 1302 or three units of high school Russian  
Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading)

**RUS 2320 Russian Culture in Context (3)**

Pre-requisite(s): RUS 2310 or consent of the instructor

An exploration of Russian cultural achievements through the ages with continued practice in speaking, writing, reading, and listening Russian at the intermediate level. Class conducted in Russian with emphasis on developing conversational skills. Specific topics vary, but may include science, literature, the visual arts, music, film, and sports.

**RUS 3301 Russian Conversation and Composition (3)**

Pre-requisite(s): Fourteen semester hours of Russian or consent of instructor

Further development of communication skills. Required of all Russian majors.

**RUS 3302 Russian Reading Development (3)**

Pre-requisite(s): Fourteen semester hours of Russian or consent of instructor

Development of Russian reading skills through grammar review and reading of selections from various areas of the arts and sciences.

**RUS 3310 Russian phonetics and phonology (3)**

Pre-requisite(s): RUS 2320 or consent of instructor

Analysis of Russian phonology and spelling; practice in Russian pronunciation and intonation.

**RUS 3345 Introduction to Russian Film: Culture and Identity (3)**

Cross-listed as FDM 3345

Pre-requisite(s): Upper-level standing or consent of instructor

An introduction to Russian culture through Russian film including cinematic traditions of the Soviet Union and Russian Federation. The course will explore questions of identity—national, regional, and gender. Taught in English

**RUS 3352 Modern Russian Short Story (3)**

Pre-requisite(s): Fourteen semester hours of Russian

Emphasis on Russian short prose fiction of the twentieth century.

**RUS 3353 Russian Drama (3)**

Pre-requisite(s): Fourteen semester hours of Russian

Emphasis on the drama of the nineteenth and twentieth centuries.

**RUS 3380 Russian Literature in Translation I (3)**

Does not count toward foreign language requirement. Survey of Russian poetry and prose from its beginning to the Revolution with emphasis on Pushkin, Gogol, Dostoevsky, Tolstoy, and Chekhov.

**RUS 3381 Russian Literature in Translation II (3)**

Does not count toward foreign language requirement. Survey of Russian poetry and prose from the Revolution to The present with emphasis on Mayakowsky, Pasternak, Bulgakov, and Solzhenitsyn.

**RUS 3V70 Special Problems (1-3)**

Pre-requisite(s): Consent of division director

With content changed, this course may be repeated once for credit. 1-0

**RUS 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**RUS 4301 Survey of Russian Literature (3)**

Pre-requisite(s): Seventeen semester hours of Russian including RUS 3301 or consent of instructor

Russian literature from its beginnings to the Revolution.

**RUS 4302 Survey of Russian Literature, continued (3)**

Pre-requisite(s): Seventeen semester hours of Russian including RUS 3301 or consent of instructor

Survey of Russian literature from the Revolution to the present.

**RUS 4V90 Independent Study (1-3)**

Pre-requisite(s): Consent of division director

Independent study in Russian language and literature in consultation with a professor. Examination and term paper. With content changed, this course may be repeated once for credit.

**RUS 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**RUS 5370 Russian for Reading Knowledge I (3)**

Co-requisite(s): RUS 5371

Reading of intermediate-level Russian texts. No previous language experience required. Limited to graduate students or undergraduate students by petition. Does not count towards foreign language requirement for undergraduate students.

**RUS 5371 Russian for Reading Knowledge II (3)**

Co-requisite(s): RUS 5370

Continuation of RUS 5370. Reading of more advanced Russian texts. Limited to graduate students or undergraduate students by petition. Does not count towards foreign language requirement for undergraduate students.

**Slavic and East European Studies (SEES)****SEES 2380 Introduction to Slavic and East European Studies I (3)**

Cross-listed as HIS 2380, SLS 2380

Basic introduction to the peoples, history, and cultures of the countries covered by Slavic and East European Studies, including the post-Communist states of Central and Eastern Europe, the former Soviet Republics, and the former Federated Yugoslavia up to the mid-1700's.

**SEES 2381 Introduction to Slavic and East European Studies (3)**

Cross-listed as HIS 2381

Major events and factors – e.g., political, economic, and social – leading to upheaval and change in the area countries from the mid-1760's to the present, with attention to the Bolshevik Revolution in Russia, Stalinism, the creation of the Soviet Empire, the collapse of communism in Central and Eastern Europe, and the transition of post-communist states.

**SEES 2V70 Independent Study (1-3)**

Pre-requisite(s): Consent of director

Supervised individual research in Slavic Studies consultation with a professor. Examination and term paper. With content changed, course may be repeated once for credit.

**SEES 3V70 Advanced Independent Study (1-3)**

Pre-requisite(s): Consent of director

Independent research in Slavic Studies in consultation with a professor. Examination and term paper. With content changed, course may be repeated once for credit.

**SEES 4363 Traditional Music and Culture in Europe (3)**

Cross-listed as MUS 4363

See MUS 4363 for course information.

**SEES 4379 The Cold War (3)**

Cross-listed as HIS 4379

See HIS 4379 for course information.

**SEES 4V90 Independent Readings (1-3)**

Pre-requisite(s): Consent of instructor and graduate director of student's home department; upper-level standing

This course is designed for advanced undergraduates and graduate students. Directed readings on a topic selected by the student in consultation with the graduate director of the student's home department and the director of SEES. Maximum of 6 credit hours.

**Spanish (SPA)****SPA 1101 Spanish Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**SPA 1102 Spanish Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**SPA 1301 Elementary Spanish (3)**

Pre-requisite(s): Appropriate score on departmental placement exam or departmental approval

Introduction to SPA language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice proficiency levels

**SPA 1302 Elementary Spanish (3)**

Pre-requisite(s): SPA 1301, appropriate score on departmental placement exam, or departmental approval

Introduction to Spanish language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**SPA 1304 Elementary Spanish for Heritage Speakers (3)**

Pre-requisite(s): Appropriate score on departmental placement exam or departmental approval

Intended for students who have prior exposure to Spanish but have not studied the language formally. Improvement of Spanish as used in the academic and professional world and development of historical consciousness about the Hispanic presence in the USA. Practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice or novice mid-level proficiency levels.

**SPA 1412 Accelerated Elementary Spanish (4)**

Pre-requisite(s): Appropriate score on departmental placement exam or departmental approval

An intensive course in first-year college Spanish especially for students with two-three years of high school Spanish. Covers the content of SPA 1301 and 1302 in only one semester. As grammar is reviewed, emphasis is placed on the major skill areas (ACTFL Guidelines): reading, writing, listening, speaking, and cultural awareness.

**SPA 2304 Intermediate Spanish for Heritage Speakers (3)**

Pre-requisite(s): SPA 1304, appropriate score on departmental placement exam, or consent of instructor

Designed for students who have prior exposure to Spanish but may not have studied it formally. Review of grammar, exploration of SPA-speaking cultures, and practice at intermediate-level proficiency to develop speaking and writing skills for professional contexts. May be substituted for SPA 2310 and SPA 2320 and used in fulfillment of the FL req.

**SPA 2310 Intermediate Spanish (3)**

Pre-requisite(s): SPA 1302 or 1412 or appropriate score on departmental placement exam or departmental consent

Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

**SPA 2311 Intermediate Spanish for Teachers (3)**

Pre-requisite(s): SPA 1402 or 1412 or appropriate score on departmental placement exam or departmental consent

Development of communication skills within a school (K-12) context with attention to vocabulary building, grammar review, conversation, composition, and cultural readings. Designed primarily for students in the School of Education, this course may be substituted for SPA 2310 to fulfill the foreign language requirement in Arts and Sciences.

**SPA 2320 Exploring the Spanish-Speaking World (3)**

Pre-requisite(s): SPA 2310, or 2311, or appropriate score on departmental placement exam or departmental consent

An exploration of the cultures of the Spanish-speaking world with continued practice in listening, speaking, reading, and writing Spanish at the intermediate level. Class conducted in Spanish, with emphasis on developing conversational skills. Topics vary by section but may include Pop Culture, Music, Film, Literature, Art, Social Media, Journalism of the Spanish-speaking world.

**SPA 2321 Intermediate Spanish for Health Professions (3)**

Pre-requisite(s): SPA 2310, 2311, or 2312 or appropriate score on departmental placement exam or departmental consent

Development of intermediate level skills in comprehension, speaking, reading, writing, and cultural interpretation with an emphasis on medical and scientific issues for prospective medical and health-care professionals. May be substituted for SPA 2320. Must be taken in residence at Baylor in order to count toward the Certificate in Spanish for Health Professions.

**SPA 2322 Spanish for Christian Ministry (3)**

Pre-requisite(s): SPA 2310, 2311, or 2312 or appropriate score on departmental placement examination or departmental approval

Development of vocabulary, grammar, composition, and conversation skills in Spanish for students interested in Christian ministry, using the Bible and related religious materials. May be substituted for SPA 2320.

**SPA 2324 Spanish for Business (3)**

Pre-requisite(s): SPA 2304 or 2310; or appropriate score on departmental placement exam; or departmental approval

Development of communication skills at the intermediate and low-advanced proficiency levels for reading, writing, speaking and listening. Focus on using Spanish in Business contexts and examines the business cultures of the Spanish-speaking world.

**SPA 2412 Accelerated Intermediate Spanish (4)**

Pre-requisite(s): SPA 1412 or placement into SPA 2310 or 2320 and departmental approval

Intensive intermediate Spanish course geared toward strong language learners. Content of Spanish 2310 and 2320 in one semester. Continued development of Spanish language skills, including listening, speaking, reading and writing. Emphasis on cultural and literary readings. May be substituted for SPA 2310 and SPA 2320 and used in fulfillment of the foreign language requirement.

**SPA 3001 Spanish for Health Professions Certificate Project (0)**

Pre-requisite(s): SPA 2321 and 3302

An individually driven project to be carried out in tandem with a Spanish course at the 3000 or 4000 level. Subject matter must be health-related and the project must be completed in Spanish. Approval of the Director of the Certificate in Spanish for Health Professions required.

**SPA 3302 Conversation and Composition (3)**

Pre-requisite(s): SPA 2304, 2320, 2321, 2322, 2324 or 2412; or appropriate score on departmental placement exam; or consent of division director A bridge course between second-year SPA and more advanced courses in major/minor; development of oral and written proficiency in Spanish

**SPA 3304 Advanced Spanish for Heritage Speakers (3)**

Pre-requisite(s): SPA 2304, appropriate score on departmental placement exam, or consent of instructor

Designed for students who have prior exposure to Spanish but may not have studied it formally. Readings and discussion about Spanish-speaking communities worldwide and practice at advanced-level proficiency to develop speaking and writing skills for professional contexts. May be substituted for SPA 3302.

**SPA 3305 Introduction to Hispanic Literature (3)**

Pre-requisite(s): SPA 2304, 2320, 2321, 2322, 2324, 2412, or 3302

Readings of representative authors and genres (poetry, prose fiction, drama, and essay) from around the Spanish-speaking world. Includes an introduction to literary research in Spanish.



**SPA 3309 Introduction to Spanish Linguistics (3)**

Pre-requisite(s): SPA 2320, 2321, 2322, 2324, or 3302; or appropriate score on departmental placement exam; or departmental approval  
An introduction to the study of language and linguistics in general and of the sounds, structure, and meaning of Spanish in particular.

**SPA 3310 Spanish Civilization (3)**

Pre-requisite(s): SPA 2320, 2321, 2322, or 3302 or consent of division director  
Study of Spanish history and culture.

**SPA 3311 Spanish-American Civilization (3)**

Pre-requisite(s): SPA 2320, 2321, 2322, or 3302 or consent of division director  
Study of Spanish-American history and culture.

**SPA 3350 Survey of Spanish Literature through the Seventeenth Century (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
Study of literary selections from the Middle Ages through the seventeenth century; readings, lectures, and reports.

**SPA 3352 Survey of Spanish Literature from the Eighteenth Century (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
Study of literary selections from the eighteenth century to the present time; readings, lectures, and reports.

**SPA 3354 Survey of Latin American Literature to 1880 (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
Study of literary selections from the Spanish conquest to 1880; readings, lectures, and reports.

**SPA 3356 Survey of Latin American Literature from 1880 to Present (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
Study of literary selections from 1880 to the present; readings, lectures, and reports.

**SPA 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**SPA 4303 Spanish Phonology and Morphophonology (3)**

Pre-requisite(s): SPA 3309  
The sounds of Spanish and the formation of its words, and the relationship between these two, morphophonology. It includes pronunciation and transcription of Spanish.

**SPA 4304 Spanish Syntax (3)**

Pre-requisite(s): SPA 3309  
Spanish word order and sentence formation, phrasal structures and constructions that are different from English.

**SPA 4305 Spanish Semantics and Pragmatics (3)**

Pre-requisite(s): SPA 3309  
The study of the meaning of words, sentences, and discourse and elements of conversation including context, usage and appropriateness.

**SPA 4315 Methods of Foreign Language Teaching (3)**

Cross-listed as FRE 4315, GER 4315  
Theoretical and historical bases with practical applications in communication methodology. Introduction to professional activities and materials. Although this course cannot be counted toward the first or second teaching field, it will be counted toward a major in Spanish.

**SPA 4321 Advanced Spanish for Health Professions (3)**

Pre-requisite(s): SPA 2321, 3302 and consent of instructor  
In-depth experience with Spanish in medical contexts, including a community service-learning component, with emphasis on oral and aural proficiency. Must be taken in residence at Baylor in order to count toward the Certificate in Spanish for Health Professions.

**SPA 4330 Advanced Grammar, Composition and Conversation (3)**

Pre-requisite(s): SPA 3302; and consent of instructor  
A review of grammar applied to the writing of compositions and conversational practice. Emphasis on writing style, practical and cultural topics, dialogues, and interviews.

**SPA 4340 Professional and Literary Translation (3)**

Pre-requisite(s): SPA 4330 or equivalent or consent of instructor  
The theory and practice of translation, including poetry, short stories, and technical documents.

**SPA 4362 Spanish Drama of the Golden Age (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
Representative playwrights of seventeenth-century Spain; extensive study of selected works. Lectures, reports, class discussion, and term papers.

**SPA 4363 Cervantes (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
Study of the major works of Cervantes with emphasis on Don Quixote, the cultural milieu of sixteenth and seventeenth century Spain, and the views of present-day literary critics. Lectures, class discussions, oral reports, and term papers.

**SPA 4364 Nineteenth Century Spanish Literature (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
Representative plays, poems, essays, and novels from nineteenth century Spanish literature, emphasizing in-depth analysis of texts.

**SPA 4366 Twentieth Century Spanish Literature (3)**

Pre-requisite(s): SPA 3305  
Study of representative poets, playwrights, and novelists of this century. Lectures, student reports, class discussions, and term papers.

**SPA 4372 Latin American Short Story (3)**

Pre-requisite(s): SPA 3305  
An in-depth study of outstanding eighteenth, nineteenth and twentieth century Latin American short stories in light of current practice and trends in literary analysis.

**SPA 4375 Contemporary Spanish American Theater (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
Major trends of Spanish American theater as reflected in the works of major contemporary playwrights. Readings, lectures, and reports.

**SPA 4376 The Spanish-American Novel (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
A study of the origins and development of the Spanish-American novel (from 1816 to 1915). A study of the main literary movements as reflected or found in the novel, in an approved paper or project.

**SPA 4378 Latin American Poetry (3)**

Pre-requisite(s): SPA 3305  
An overview of poetic trends in Latin American literature from pre-Hispanic times to the twentieth century.

**SPA 4388 Topics in Hispanic Language and Literature (3)**

Pre-requisite(s): SPA 3305; or consent of division director  
A study of an author, work, period, genre, or current Hispanic literature or of an aspect of the Spanish language. Topic changes from semester to semester. May be repeated for credit if topic is different.



**SPA 4V90 Special Problems (1-3)**

Pre-requisite(s): Consent of division director

Independent study in Spanish language and literature in consultation with a professor. Examination and term paper. With content changed, this course may be repeated once for credit.

**SPA 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**Swahili (SWA)****SWA 1101 Swahili Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**SWA 1102 Swahili Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**SWA 1301 Elementary Swahili (3)**

Introduction to Swahili language and cultures of East/Central Africa; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice proficiency level

**SWA 1302 Elementary Swahili (3)**

Pre-requisite(s): SWA 1301

Introduction to Swahili language and cultures of East/Central Africa; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**SWA 2310 Intermediate Swahili I (3)**

Pre-requisite(s): SWA 1302

Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading)

**SWA 2320 Intermediate Swahili II (3)**

Pre-requisite(s): SWA 2310

Continuation of SWA 2310.

**Division of Asian and African Languages**

- Arabic and Middle East Studies, B.A. (p. 188)
- Arabic and Middle East Studies - Secondary Major (p. 188)
- Arabic Minor (p. 189)
- Chinese Minor (p. 189)
- Japanese Minor (p. 189)

**Arabic and Middle East Studies, B.A.  
Requirements for a Major in Arabic and Middle East Studies**

| Code   | Title                                      | Hours |
|--|--|-------|
| Twenty-seven semester hours including the following: |  |       |
| <b>Required Courses</b>                              |  |       |
| ARB 2310   | Intermediate Spoken/Modern Standard Arabic | 3     |

|  |  |           |
|--|--|-----------|
| ARB 2320   | Arabic Popular Culture                                       | 3         |
| Nine semester hours of 3000-4000 level ARB courses     |  | 9         |
| HIS 3311<br>or HIS 4312                                | Middle East History 600 - 1798<br>Modern Middle East History | 3         |
| MES 2301   | Introduction to the Middle East                              | 3         |
| Select six semester hours from the following:          |  | 6         |
| HIS 3311   | Middle East History 600 - 1798 (if not used above)           |           |
| HIS 4312   | Modern Middle East History (if not used above)               |           |
| HIS 4313   | War and Peace in the Middle East                             |           |
| MES 4378   | Religion & Politics in the Middle East                       |           |
| MES 4V01   | Readings in Mid-East Studies                                 |           |
| PSC 4334   | Governments and Politics of the Middle East                  |           |
| PSC 4379   | Islam and Democracy  |           |
| REL 4343   | Topics in Islam  |           |
| ARB courses at the 3000-4000 level (if not used above) |  |           |
| <b>Total Hours</b>                                     |  | <b>27</b> |

**Arabic and Middle East Studies -  
Secondary Major****Requirements for a Secondary Major in  
Arabic and Middle East Studies**

| Code   | Title  | Hours     |
|--|--|-----------|
| Twenty-seven semester hours including the following:   |  |           |
| <b>Required Courses</b>                                |  |           |
| ARB 2310   | Intermediate Spoken/Modern Standard Arabic                   | 3         |
| ARB 2320   | Arabic Popular Culture                                       | 3         |
| Nine semester hours of 3000-4000 level ARB courses     |  | 9         |
| HIS 3311<br>or HIS 4312                                | Middle East History 600 - 1798<br>Modern Middle East History | 3         |
| MES 2301   | Introduction to the Middle East                              | 3         |
| Select six semester hours from the following:          |  | 6         |
| HIS 3311   | Middle East History 600 - 1798 (if not used above)           |           |
| HIS 4312   | Modern Middle East History (if not used above)               |           |
| HIS 4313   | War and Peace in the Middle East                             |           |
| MES 4378   | Religion & Politics in the Middle East                       |           |
| MES 4V01   | Readings in Mid-East Studies                                 |           |
| PSC 4334   | Governments and Politics of the Middle East                  |           |
| PSC 4379   | Islam and Democracy  |           |
| REL 4343   | Topics in Islam  |           |
| ARB courses at the 3000-4000 level (if not used above) |  |           |
| <b>Total Hours</b>                                     |  | <b>27</b> |

## Arabic Minor

### Requirements for a Minor in Arabic

| Code   | Title | Hours     |
|--|-------|-----------|
| <b>Required Courses</b>  |       |           |
| Eighteen semester hours of ARB courses, nine of which must be at the 3000-4000 level |       | 18        |
| <b>Total Hours</b>   |       | <b>18</b> |

## Chinese Minor

### Requirements for a Minor in Chinese

| Code   | Title | Hours     |
|--|-------|-----------|
| <b>Required Courses</b>  |       |           |
| Eighteen semester hours of CHI courses, nine of which must be at the 3000-4000 level |       | 18        |
| <b>Total Hours</b>   |       | <b>18</b> |

## Japanese Minor

### Requirements for a Minor in Japanese

| Code   | Title | Hours     |
|--|-------|-----------|
| <b>Required Courses</b>  |       |           |
| Eighteen semester hours of JPN courses, nine of which must be at the 3000-4000 level |       | 18        |
| <b>Total Hours</b>   |       | <b>18</b> |

## Division of French and Italian

- French, B.A. (p. 189)
- French - Secondary Major (p. 189)
- French Minor (p. 189)
- Italian Studies - Secondary Major (p. 189)
- Italian Minor (p. 190)

## French, B.A.

### Requirements for a Major in French

| Code  | Title  | Hours     |
|---|--|-----------|
| Thirty semester hours, six of which must be at the 4000 level, including the following: |  |           |
| <b>Required Courses</b>   |  |           |
| FRE 3301  | Advanced French Grammar  | 3         |
| FRE 43C0  | French Senior Capstone   | 3         |
| FRE 3337<br>& FRE 3338  | French Civilization<br>and Contemporary France   | 6         |
| or FRE 4331<br>& FRE 4332   | French Writers and Ideas I: From Roland to<br>Revolution<br>and French Writers and Ideas II: From<br>Romanticism to Post-Modernism |           |
| Eighteen semester hours of 3000-4000 level FRE courses <sup>1</sup>                     |  | 18        |
| <b>Total Hours</b>  |  | <b>30</b> |

<sup>1</sup> FRE 2320 Passport to the French-Speaking World can count toward the major in place of a 3000-4000 level course.

FRE 1301 Elementary French, FRE 1302 Elementary French, FRE 1412 Accelerated Elementary French, and FRE 2310 Intermediate French will not apply to the major.

## French - Secondary Major

### Requirements for a Secondary Major in French

| Code  | Title  | Hours     |
|---|--|-----------|
| Twenty-seven semester hours including the following:  |  |           |
| <b>Required Courses</b>   |  |           |
| FRE 3301  | Advanced French Grammar  | 3         |
| FRE 43C0  | French Senior Capstone   | 3         |
| FRE 3337<br>& FRE 3338  | French Civilization<br>and Contemporary France   | 6         |
| or FRE 4331<br>& FRE 4332   | French Writers and Ideas I: From Roland to<br>Revolution<br>and French Writers and Ideas II: From<br>Romanticism to Post-Modernism |           |
| Six semester hours of 4000-level FRE courses  |  | 6         |
| Nine additional semester hours of FRE courses, three of which must be at the 3000-4000 level <sup>1</sup> |  | 9         |
| <b>Total Hours</b>  |  | <b>27</b> |

<sup>1</sup> FRE 1301 Elementary French, FRE 1302 Elementary French, and FRE 1412 Accelerated Elementary French will not apply as electives on the 27 hours required in the major.

## French Minor

### Requirements for a Minor in French

| Code   | Title | Hours     |
|--|-------|-----------|
| Eighteen semester hours including the following:               |       |           |
| <b>Required Courses</b>  |       |           |
| Six semester hours of 2000-4000 level FRE courses <sup>1</sup> |       | 6         |
| Twelve semester hours of 3000-4000 level FRE courses           |       | 12        |
| <b>Total Hours</b>   |       | <b>18</b> |

<sup>1</sup> FRE 2310 Intermediate French and FRE 2320 Passport to the French-Speaking World can apply toward the minor.

## Italian Studies - Secondary Major

### Requirements for a Secondary Major in Italian Studies

| Code   | Title | Hours |
|--|-------|-------|
| Thirty semester hours including the following:   |       |       |
| <b>Required Courses</b>  |       |       |
| Twenty-four semester hours of ITA courses, eighteen of which must be at the 3000-4000 level <sup>1</sup> |       | 24    |

|   |   |
|---|---|
| Select six semester hours from the following options: | 6   |
| ANT 4341  | Archaeology of the Mediterranean                              |
| ARTH/CLA 3353   | Roman Art and Archaeology                                     |
| ARTH 3357   | Baroque Art History   |
| ARTH/CLA 4364   | Roman Sculpture   |
| ARTH 4365   | Italian Renaissance Art History                               |
| ARTH 4366   | Mannerism   |
| ARTH 4367   | Special Topics in Italian Renaissance and Baroque Art History |
| ARTH/CLA 4368   | Special Topics in Greek and Roman Art and Archaeology         |
| ARTH/CLA 4369   | Greek and Roman Sport and Spectacle                           |
| ARTH 4370   | The Art of Michelangelo and His Contemporaries                |
| CLA 3301/<br>HIS 3324                                 | Roman History and Civilization                                |
| GTX 4330  | Dante and the Italian Renaissance                             |
| MUS 4325  | Opera Literature  |
| 3000-4000 level ITA courses                           |   |
| <b>Total Hours</b>                                    | <b>30</b>   |

<sup>1</sup> ITA 2310 Intermediate Italian and ITA 2320 Pathways in Italian Culture will count toward the major.  
ITA 1301 Elementary Italian and ITA 1302 Elementary Italian will not count toward the 30 hours in the major.

## Italian Minor

### Requirements for a Minor in Italian

| Code   | Title | Hours     |
|--|-------|-----------|
| <b>Required Courses</b>  |       |           |
| Eighteen semester hours of ITA courses, twelve of which must be at the 3000-4000 level |       | 18        |
| <b>Total Hours</b>   |       | <b>18</b> |

## Division of German and Russian

- German, B.A. (p. 190)
- German - Secondary Major (p. 190)
- German Minor (p. 190)
- Russian, B.A. (p. 190)
- Russian - Secondary Major (p. 190)
- Russian Minor (p. 191)

## German, B.A.

### Requirements for a Major in German

| Code  | Title                               | Hours |
|---|-------------------------------------|-------|
| Thirty semester hours including the following:  |                                     |       |
| <b>Required Courses</b>   |                                     |       |
| GER 3301  | German Conversation and Composition | 3     |
| Twenty-one additional semester hours of 3000-4000 GER courses, six of which must be at the 4000 level |                                     | 21    |

|  |           |
|--|-----------|
| Six additional semester hours of GER courses | 6         |
| <b>Total Hours</b>                           | <b>30</b> |

## German - Secondary Major

### Requirements for a Secondary Major in German

| Code  | Title                               | Hours     |
|---|-------------------------------------|-----------|
| Thirty semester hours including the following:  |                                     |           |
| <b>Required Courses</b>   |                                     |           |
| GER 3301  | German Conversation and Composition | 3         |
| Twenty-one additional semester hours of 3000-4000 GER courses, six of which must be at the 4000 level |                                     | 21        |
| Six additional semester hours of GER courses  |                                     | 6         |
| <b>Total Hours</b>  |                                     | <b>30</b> |

## German Minor

### Requirements for a Minor in German

| Code  | Title | Hours     |
|---|-------|-----------|
| <b>Required Courses</b>   |       |           |
| Eighteen semester hours of GER courses, twelve of which must be at the 3000-4000 level <sup>1</sup> |       | 18        |
| <b>Total Hours</b>  |       | <b>18</b> |

<sup>1</sup> Only one course from GER 3341 Introduction to German Culture: Germany in the Making or GER 3345 Introduction to German Film: German Culture from Berlin to Hollywood will apply on the German minor.

## Russian, B.A.

### Requirements for a Major in Russian

| Code  | Title                                | Hours     |
|---|--------------------------------------|-----------|
| Twenty-seven semester hours including the following:  |                                      |           |
| <b>Required Courses</b>   |                                      |           |
| RUS 3301  | Russian Conversation and Composition | 3         |
| Six semester hours of 4000-level RUS courses  |                                      | 6         |
| Eighteen additional semester hours of RUS courses, nine of which must be at the 3000-4000 level |                                      | 18        |
| <b>Total Hours</b>  |                                      | <b>27</b> |

## Russian - Secondary Major

### Requirements for a Secondary Major in Russian

| Code   | Title                                | Hours |
|--|--------------------------------------|-------|
| Twenty-seven semester hours including the following: |                                      |       |
| <b>Required Courses</b>                              |                                      |       |
| RUS 3301   | Russian Conversation and Composition | 3     |
| Six semester hours of 4000-level RUS courses         |                                      | 6     |

Eighteen additional semester hours of RUS courses, nine of which must be at the 3000-4000 level

**Total Hours** 27

## Russian Minor

### Requirements for a Minor in Russian

| Code   | Title | Hours |
|--|-------|-------|
| <b>Required Courses</b>  |       |       |
| Eighteen semester hours of RUS courses, twelve of which must be at the 3000-4000 level |       | 18    |
| <b>Total Hours</b>   |       | 18    |

It is recommended that Russian Minors take courses from the Slavic and Eastern European Studies (SEES) Program as part of their general electives.

## Division of Spanish and Portuguese

- Spanish, B.A. (p. 191)
- Spanish - Secondary Major (p. 191)
- Spanish Minor (p. 191)
- Spanish for Healthcare Professions Certificate (p. 192)

## Spanish, B.A.

### Requirements for a Major in Spanish

| Code   | Title  | Hours |
|--|--|-------|
| Thirty-three semester hours including the following: |  |       |
| <b>Required Courses</b>                              |  |       |
| SPA 3302   | Conversation and Composition                                 | 3     |
| SPA 3305   | Introduction to Hispanic Literature                          | 3     |
| SPA 3309   | Introduction to Spanish Linguistics                          | 3     |
| SPA 4330   | Advanced Grammar, Composition and Conversation               | 3     |
| SPA 3310   | Spanish Civilization   | 3     |
| or SPA 3311  | Spanish-American Civilization                                |       |
| SPA 4303   | Spanish Phonology and Morphophonology                        | 3     |
| or SPA 4304  | Spanish Syntax   |       |
| Select nine semester hours from the following:       |  | 9     |
| SPA 3350   | Survey of Spanish Literature through the Seventeenth Century |       |
| SPA 3352   | Survey of Spanish Literature from the Eighteenth Century     |       |
| SPA 3354   | Survey of Latin American Literature to 1880                  |       |
| SPA 3356   | Survey of Latin American Literature from 1880 to Present     |       |
| Select six semester hours from the following:        |  | 6     |
| SPA 4305   | Spanish Semantics and Pragmatics                             |       |
| SPA 4315   | Methods of Foreign Language Teaching                         |       |
| SPA 4362   | Spanish Drama of the Golden Age                              |       |
| SPA 4363   | Cervantes  |       |
| SPA 4364   | Nineteenth Century Spanish Literature                        |       |
| SPA 4366   | Twentieth Century Spanish Literature                         |       |

|                    |  |           |
|--------------------|--|-----------|
| SPA 4372           | Latin American Short Story                 |           |
| SPA 4375           | Contemporary Spanish American Theater      |           |
| SPA 4376           | The Spanish-American Novel                 |           |
| SPA 4378           | Latin American Poetry                      |           |
| SPA 4388           | Topics in Hispanic Language and Literature |           |
| <b>Total Hours</b> |  | <b>33</b> |

## Spanish - Secondary Major

### Requirements for a Secondary Major in Spanish

| Code   | Title  | Hours |
|--|--|-------|
| Thirty semester hours including the following:   |  |       |
| <b>Required Courses</b>  |  |       |
| SPA 3302   | Conversation and Composition                   | 3     |
| SPA 3305   | Introduction to Hispanic Literature            | 3     |
| SPA 3309   | Introduction to Spanish Linguistics            | 3     |
| SPA 4330   | Advanced Grammar, Composition and Conversation | 3     |
| Six semester hours of additional 4000-level SPA courses  |  | 6     |
| Twelve additional hours of SPA courses, six of which must be at the 3000-4000 level <sup>1</sup> |  | 12    |
| <b>Total Hours</b>   |  | 30    |

<sup>1</sup> SPA 1301 Elementary Spanish, SPA 1302 Elementary Spanish, SPA 1304 Elementary Spanish for Heritage Speakers, and SPA 1412 Accelerated Elementary Spanish will not apply as electives on the 30 hours required in the major.

## Spanish Minor

### Requirements for a Minor in Spanish

| Code   | Title  | Hours |
|--|--|-------|
| Eighteen semester hours including the following: |  |       |
| <b>Required Courses</b>                          |  |       |
| SPA 3302   | Conversation and Composition                                 | 3     |
| SPA 3305   | Introduction to Hispanic Literature                          | 3     |
| SPA 3309   | Introduction to Spanish Linguistics                          | 3     |
| SPA 3310   | Spanish Civilization   | 3     |
| or SPA 3311                                      | Spanish-American Civilization                                |       |
| Select three semester hours from the following:  |  | 3     |
| SPA 3350   | Survey of Spanish Literature through the Seventeenth Century |       |
| SPA 3352   | Survey of Spanish Literature from the Eighteenth Century     |       |
| SPA 3354   | Survey of Latin American Literature to 1880                  |       |
| SPA 3356   | Survey of Latin American Literature from 1880 to Present     |       |
| Three semester hours of 4000-level SPA           |  | 3     |
| <b>Total Hours</b>                               |  | 18    |

# Spanish for Healthcare Professions Certificate

## Requirements for a Certificate in Spanish for Healthcare Professions

| Code  | Title  | Hours     |
|---|--|-----------|
| Twelve semester hours including the following:                        |  |           |
| <b>Required Courses</b>   |  |           |
| SPA 2321  | Intermediate Spanish for Health Professions        | 3         |
| SPA 3001  | Spanish for Health Professions Certificate Project | 0         |
| SPA 3302  | Conversation and Composition                       | 3         |
| SPA 4321  | Advanced Spanish for Health Professions            | 3         |
| Select three semester hours from the following:                       |  | 3         |
| SPA 3305  | Introduction to Hispanic Literature                |           |
| SPA 3309  | Introduction to Spanish Linguistics                |           |
| SPA 3311  | Spanish-American Civilization                      |           |
| 3000-4000 level SPA course approved by the certificate administrator  |  |           |
| <b>Additional Requirements</b>  |  |           |
| A grade of "B" or better in each SPA course used for the certificate. |  |           |
| SPA 2321 and SPA 4321 must be completed in residence                  |  |           |
| <b>Total Hours</b>  |  | <b>12</b> |

## Area Studies Programs

- Asian Studies (p. 192)
- Latin American Studies (p. 195)
- Middle East Studies Minor (p. 196)
- Slavic and East European Studies (p. 197)
- World Affairs Minor (p. 198)

## Asian Studies

The Asian Studies program provides opportunities for study and research of the diverse societies that inhabit the Asian continent, from the Ural Mountains to Southeast Asia. The program takes as its geographical focus the regions of Eurasia and the Asia-Pacific. Interdisciplinary in approach, the program spans the fields of economics, foreign languages, history, political science, sociology, and religion, and is dedicated to providing opportunities for foreign study and field experiences. Through its major, minor, and concentration curricula, the Asian Studies program is designed to provide students with a solid foundation to pursue careers in government service, business, and nongovernmental organizations, as well as for further study.

## Requirements for a Major in Asian Studies

Information on requirements for a major in Asian Studies:

- A. There are two versions of the major:
- General version of the major requires the completion of the above requirements.

- Intensive version of the major requires an additional requirement: Completion of a directed research project (AST 4390 Reading Course in Political Science Directed Reading and Research in Asian Studies) or a study abroad or internship experience in Asia.

- B. Fourteen semester hours in a modern Asian language are required in other fields.

## Programs

- Asian Studies, B.A. (p. 192)
- Asian Studies - Secondary Major (p. 193)
- Asian Studies Minor (p. 194)

## Asian Studies, B.A.

## Requirements for a Major in Asian Studies

| Code   | Title   | Hours |
|--|---|-------|
| Thirty semester hours including the following:     |   |       |
| <b>Required Courses</b>                            |   |       |
| <i>Asian Studies Core</i>                          |   |       |
| Select eighteen semester hours from the following: |   | 18    |
| AST 2380   | The Peoples and Culture of Asia                         |       |
| AST/HIS 3305                                       | Traditional China                                       |       |
| AST/HIS 3307                                       | Japan   |       |
| AST 3315   | Geography of East Asia                                  |       |
| AST 3V80   | Special Topics in Asian Studies                         |       |
| AST 3390   | Special Studies and Projects                            |       |
| AST/HIS 4305                                       | Modern China  |       |
| AST/ANT 4310                                       | Societies and Cultures of East Asia                     |       |
| AST/PSC 4325                                       | Asian International Relations                           |       |
| AST/ECO 4335                                       | Asian Economic Development                              |       |
| AST/PHI 4340                                       | East Asian Philosophy                                   |       |
| AST/REL 4346                                       | Topics in Asian Religions                               |       |
| AST 4350   | Seminar in Asian Studies                                |       |
| AST/PSC 4364                                       | The Governments and Politics of the Asia-Pacific Region |       |
| AST/PSC 4374                                       | Governments and Politics of East Asia                   |       |
| AST/MLC 4376                                       | Asian Literature in Translation                         |       |
| AST 4V80   | Contemporary Issues in Asian Studies                    |       |
| AST 4388   | Contemporary Chinese Society and Culture                |       |
| AST 4390   | Reading Course in Political Science                     |       |
| CHI 3301   | Chinese Conversation, Composition, and Readings I       |       |
| CHI 3302   | Chinese Conversation, Composition, and Readings II      |       |
| CHI 3305   | Chinese for Business I                                  |       |
| CHI 3306   | Chinese for Business II                                 |       |
| CHI 3310   | Chinese Language and Culture through Films              |       |
| CHI 3V70   | Special Problems  |       |
| CHI 4301   | Chinese Literature and Culture I                        |       |
| CHI 4302   | Chinese Literature and Culture II                       |       |
| JPN 3301   | Advanced Japanese I                                     |       |
| JPN 3302   | Japanese Culture through Reading                        |       |



|          |                                       |
|----------|---------------------------------------|
| JPN 3303 | Japanese Conversation and Composition |
| JPN 3304 | Japanese Civilization                 |
| JPN 3305 | Japanese for the Professions          |
| JPN 3306 | Japanese Cinema                       |
| PSC 4344 | Government and Politics of Russia     |

*International Foundation Courses*

Select twelve semester hours from the following: 12

|              |   |
|--------------|---|
| ANT 1306     | Cultural Anthropology in Global Context       |
| ANT 1310     | Cultural Geography                            |
| AST/PSC 3314 | Politics and Problems of Developing Countries |
| AST/REL 3345 | World Religions                               |
| AST/ECO 4338 | Economic Systems of the World                 |
| GEOG 1300    | World Geography                               |
| PSC 3304     | Comparative Politics                          |
| PSC 3324     | World Political Systems                       |
| PSC 4315     | Political Geography                           |

**Subtotal** 30**Required Courses in Other Fields**

|          |                          |   |
|----------|--------------------------|---|
| HIS 1305 | World History to 1500    | 3 |
| HIS 1307 | World History since 1500 | 3 |

Twelve semester hours in a modern Asian language, satisfied by completing one of the following sequences:<sup>1,2</sup> 12

## Chinese

|          |  |
|----------|--|
| CHI 1301 | Elementary Chinese                     |
| CHI 1302 | Elementary Chinese                     |
| CHI 2310 | Intermediate Chinese                   |
| CHI 2320 | Intermediate Chinese for Communication |

## Japanese

|          |                       |
|----------|-----------------------|
| JPN 1301 | Introductory Japanese |
| JPN 1302 | Elementary Japanese   |
| JPN 2310 | Intermediate Japanese |
| JPN 2320 | Exploring Japan       |

## Korean

|          |                        |
|----------|------------------------|
| KOR 1301 | Elementary Korean      |
| KOR 1302 | Elementary Korean      |
| KOR 2310 | Intermediate Korean    |
| KOR 2320 | Intermediate Korean II |

**Intensive Version**

|   |   |
|---|---|
| Study abroad in Asia or Internship experience in Asia |   |
| AST 4390  | Reading Course in Political Science (Directed Reading and Research in Asian Studies) <sup>1</sup> |

**Total Hours** 48

<sup>1</sup> If AST 4390 Reading Course in Political Science is counted for hours in the major, a petition must be filed to document completion of this requirement for the Intensive version.

<sup>2</sup> Coursework in other Asian languages, including Russian, Central Asian languages (such as Kazakh or Uzbek), Punjabi, Vietnamese, Thai, or the like may be substituted with permission from the advisor.

## Asian Studies - Secondary Major

### Requirements for a Secondary Major in Asian Studies

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

Thirty semester hours including the following:

**Required Courses***Asian Studies Core*

Select eighteen semester hours from the following: 18

|              |   |
|--------------|---|
| AST 2380     | The Peoples and Culture of Asia                         |
| AST/HIS 3305 | Traditional China                                       |
| AST/HIS 3307 | Japan   |
| AST 3315     | Geography of East Asia                                  |
| AST 3V80     | Special Topics in Asian Studies                         |
| AST 3390     | Special Studies and Projects                            |
| AST/HIS 4305 | Modern China  |
| AST/ANT 4310 | Societies and Cultures of East Asia                     |
| AST/PSC 4325 | Asian International Relations                           |
| AST/ECO 4335 | Asian Economic Development                              |
| AST/PHI 4340 | East Asian Philosophy                                   |
| AST/REL 4346 | Topics in Asian Religions                               |
| AST 4350     | Seminar in Asian Studies                                |
| AST/PSC 4364 | The Governments and Politics of the Asia-Pacific Region |
| AST/PSC 4374 | Governments and Politics of East Asia                   |
| AST/MLC 4376 | Asian Literature in Translation                         |
| AST 4V80     | Contemporary Issues in Asian Studies                    |
| AST 4388     | Contemporary Chinese Society and Culture                |
| AST 4390     | Reading Course in Political Science                     |
| CHI 3301     | Chinese Conversation, Composition, and Readings I       |
| CHI 3302     | Chinese Conversation, Composition, and Readings II      |
| CHI 3305     | Chinese for Business I                                  |
| CHI 3306     | Chinese for Business II                                 |
| CHI 3310     | Chinese Language and Culture through Films              |
| CHI 3V70     | Special Problems  |
| CHI 4301     | Chinese Literature and Culture I                        |
| CHI 4302     | Chinese Literature and Culture II                       |
| JPN 3301     | Advanced Japanese I                                     |
| JPN 3302     | Japanese Culture through Reading                        |
| JPN 3303     | Japanese Conversation and Composition                   |
| JPN 3304     | Japanese Civilization                                   |
| JPN 3305     | Japanese for the Professions                            |
| JPN 3306     | Japanese Cinema   |
| PSC 4344     | Government and Politics of Russia                       |

*International Foundation Courses*

Select twelve semester hours from the following: 12

|          |   |
|----------|---|
| ANT 1306 | Cultural Anthropology in Global Context |
| ANT 1310 | Cultural Geography                      |

|  |   |           |
|--|---|-----------|
| AST/PSC 3314   | Politics and Problems of Developing Countries   |           |
| AST/REL 3345   | World Religions   |           |
| AST/ECO 4338   | Economic Systems of the World   |           |
| GEOG 1300  | World Geography   |           |
| PSC 3304   | Comparative Politics  |           |
| PSC 3324   | World Political Systems   |           |
| PSC 4315   | Political Geography   |           |
| <b>Subtotal</b>  |   | <b>30</b> |
| <b>Required Courses in Other Fields</b>  |   |           |
| HIS 1305   | World History to 1500   | 3         |
| HIS 1307   | World History since 1500  | 3         |
| Twelve semester hours in a modern Asian language, satisfied by completing one of the following sequences: <sup>1,2</sup> |   | 12        |
| Chinese  |   |           |
| CHI 1301   | Elementary Chinese  |           |
| CHI 1302   | Elementary Chinese  |           |
| CHI 2310   | Intermediate Chinese  |           |
| CHI 2320   | Intermediate Chinese for Communication  |           |
| Japanese   |   |           |
| JPN 1301   | Introductory Japanese   |           |
| JPN 1302   | Elementary Japanese   |           |
| JPN 2310   | Intermediate Japanese   |           |
| JPN 2320   | Exploring Japan   |           |
| Korean   |   |           |
| KOR 1301   | Elementary Korean   |           |
| KOR 1302   | Elementary Korean   |           |
| KOR 2310   | Intermediate Korean   |           |
| KOR 2320   | Intermediate Korean II  |           |
| <b>Intensive Version</b>   |   |           |
| Study abroad in Asia or Internship experience in Asia  |   |           |
| AST 4390   | Reading Course in Political Science (Directed Reading and Research in Asian Studies) <sup>1</sup> |           |
| <b>Total Hours</b>   |   | <b>48</b> |

<sup>1</sup> If AST 4390 Reading Course in Political Science is counted for hours in the major, a petition must be filed to document completion of this requirement for the Intensive version.

<sup>2</sup> Coursework in other Asian languages, including Russian, Central Asian languages (such as Kazakh or Uzbek), Punjabi, Vietnamese, Thai, or the like may be substituted with permission from the advisor.

## Asian Studies Minor

### Requirements for a Minor in Asian Studies

| Code   | Title                           | Hours |
|--|---------------------------------|-------|
| Eighteen semester hours including the following:   |                                 |       |
| <b>Required Courses</b>                            |                                 |       |
| <i>Asian Core</i>                                  |                                 |       |
| Select eighteen semester hours from the following: |                                 | 18    |
| AST 2380   | The Peoples and Culture of Asia |       |
| AST/HIS 3305                                       | Traditional China               |       |

|   |   |           |
|---|---|-----------|
| AST/HIS 3307  | Japan   |           |
| AST 3315  | Geography of East Asia                                  |           |
| AST 3V80  | Special Topics in Asian Studies                         |           |
| AST 3390  | Special Studies and Projects                            |           |
| AST/HIS 4305  | Modern China  |           |
| AST/ANT 4310  | Societies and Cultures of East Asia                     |           |
| AST/PSC 4325  | Asian International Relations                           |           |
| AST/ECO 4335  | Asian Economic Development                              |           |
| AST/PHI 4340  | East Asian Philosophy                                   |           |
| AST/REL 4346  | Topics in Asian Religions                               |           |
| AST 4350  | Seminar in Asian Studies                                |           |
| AST/PSC 4364  | The Governments and Politics of the Asia-Pacific Region |           |
| AST/PSC 4374  | Governments and Politics of East Asia                   |           |
| AST/MLC 4376  | Asian Literature in Translation                         |           |
| AST 4V80  | Contemporary Issues in Asian Studies                    |           |
| AST 4388  | Contemporary Chinese Society and Culture                |           |
| AST 4390  | Reading Course in Political Science                     |           |
| CHI 3301  | Chinese Conversation, Composition, and Readings I       |           |
| CHI 3302  | Chinese Conversation, Composition, and Readings II      |           |
| CHI 3305  | Chinese for Business I                                  |           |
| CHI 3306  | Chinese for Business II                                 |           |
| CHI 3310  | Chinese Language and Culture through Films              |           |
| CHI 3V70  | Special Problems  |           |
| CHI 4301  | Chinese Literature and Culture I                        |           |
| CHI 4302  | Chinese Literature and Culture II                       |           |
| JPN 3301  | Advanced Japanese I                                     |           |
| JPN 3302  | Japanese Culture through Reading                        |           |
| JPN 3303  | Japanese Conversation and Composition                   |           |
| JPN 3304  | Japanese Civilization                                   |           |
| JPN 3305  | Japanese for the Professions                            |           |
| JPN 3306  | Japanese Cinema   |           |
| PSC 4344  | Government and Politics of Russia                       |           |
| <b>Subtotal</b>   |   | <b>18</b> |
| <b>Required Courses in Other Fields</b>   |   |           |
| Twelve semester hours in a modern Asian language, satisfied by completing one of the following sequences: |   | 12        |
| Chinese   |   |           |
| CHI 1301  | Elementary Chinese                                      |           |
| CHI 1302  | Elementary Chinese                                      |           |
| CHI 2310  | Intermediate Chinese                                    |           |
| CHI 2320  | Intermediate Chinese for Communication                  |           |
| Japanese  |   |           |
| JPN 1301  | Introductory Japanese                                   |           |
| JPN 1302  | Elementary Japanese                                     |           |
| JPN 2310  | Intermediate Japanese                                   |           |
| JPN 2320  | Exploring Japan   |           |
| Korean  |   |           |
| KOR 1301  | Elementary Korean                                       |           |
| KOR 1302  | Elementary Korean                                       |           |

|                    |                        |
|--------------------|------------------------|
| KOR 2310           | Intermediate Korean    |
| KOR 2320           | Intermediate Korean II |
| <b>Total Hours</b> | <b>30</b>              |

## Latin American Studies

The Latin American studies program provides an opportunity for study and research in the cultures, society, history, languages, and politics of Spanish- and Portuguese-speaking nations of Europe and the Americas. The program of study requires the development of reasonable competence in Spanish and/or Portuguese languages and in specialized Latin American fields. The program provides for a teaching and research group of faculty and students in Latin American studies and promotes the publication of scholarly works in this area. Credit applied toward a major in Latin American Studies may not also be computed as part of a departmental major.

Enhancing the program of Latin American Studies at Baylor are summer, semester, or year-abroad Baylor-credit programs in Brazil, Mexico, Spain, Peru, and Argentina. For additional information or for academic advisement, contact the advisor.

- Latin American Studies, B.A. (p. 195)
- Latin American Studies - Secondary Major (p. 195)
- Latin American Studies Minor (p. 196)

## Latin American Studies, B.A. Requirements for a Major in Latin American Studies

| Code   | Title  | Hours |
|--|--|-------|
| Thirty semester hours including the following: |  |       |
| <b>Required Courses</b>                        |  |       |
| <i>Latin American Studies Core</i>             |  |       |
| LAS 2301                                       | An Introduction to Latin American Studies  | 3     |
| LAS 4350                                       | Latin American Studies Seminar   | 3     |
| LAS 3390<br>or LAS 4390                        | Special Studies in Latin American Studies<br>Advanced Reading and Research in Latin American Studies | 3     |
| <i>Spanish Literature</i>                      |  |       |
| Select six semester hours from the following:  |  | 6     |
| SPA 3311                                       | Spanish-American Civilization  |       |
| SPA 3354                                       | Survey of Latin American Literature to 1880  |       |
| SPA 3356                                       | Survey of Latin American Literature from 1880 to Present   |       |
| SPA 4375                                       | Contemporary Spanish American Theater  |       |
| SPA 4376                                       | The Spanish-American Novel   |       |
| <i>History</i>                                 |  |       |
| HIS 3353                                       | Pre-Columbian and Colonial Latin America   | 3     |
| HIS 3355                                       | Modern Latin America   | 3     |
| <i>Social Sciences and Humanities</i>          |  |       |
| Select six semester hours from the following:  |  | 6     |
| ANT 3340                                       | Indigenous Cultures of Modern Mexico and Central America   |       |
| ANT 3351                                       | Ancient Civilizations of Mesoamerica   |       |
| ANT 4680                                       | Field School in Cultural Anthropology  |       |

|   |  |           |
|---|--|-----------|
| ENV 4310  | World Food Problems                            |           |
| ENV/ANT 4350  | Development and Indigenous Peoples             |           |
| HIS 4350/<br>LAS 4351   | The History of Gender in Latin America         |           |
| HIS 4357  | Inter-American Relations                       |           |
| LAS/MUS 4364  | Traditional Music and Culture in Latin America |           |
| PHI 4331  | Latin American Philosophy                      |           |
| PSC 4304  | Governments and Politics of Latin America      |           |
| PSC 4314  | Government and Politics of Mexico              |           |
| Three semester hours of additional courses selected from those listed above |  | 3         |
| <b>Subtotal</b>   |  | <b>30</b> |
| <b>Required Courses in Other Fields <sup>1</sup></b>                        |  |           |
| SPA 1301  | Elementary Spanish                             | 3         |
| SPA 1302  | Elementary Spanish                             | 3         |
| SPA 2310  | Intermediate Spanish                           | 3         |
| SPA 2320  | Exploring the Spanish-Speaking World           | 3         |
| <b>Total Hours</b>  |  | <b>42</b> |

<sup>1</sup> While not required, students are encouraged to take:

- POR 1301 Elementary Portuguese
- POR 1302 Elementary Portuguese
- POR 2310 Intermediate Portuguese
- POR 2320 Exploring the Portuguese-Speaking World

## Latin American Studies - Secondary Major

### Requirements for a Secondary Major in Latin American Studies

| Code   | Title  | Hours |
|--|--|-------|
| Thirty semester hours including the following: |  |       |
| <b>Required Courses</b>                        |  |       |
| <i>Latin American Studies Core</i>             |  |       |
| LAS 2301                                       | An Introduction to Latin American Studies  | 3     |
| LAS 4350                                       | Latin American Studies Seminar   | 3     |
| LAS 3390<br>or LAS 4390                        | Special Studies in Latin American Studies<br>Advanced Reading and Research in Latin American Studies | 3     |
| <i>Spanish Literature</i>                      |  |       |
| Select six semester hours from the following:  |  | 6     |
| SPA 3311                                       | Spanish-American Civilization  |       |
| SPA 3354                                       | Survey of Latin American Literature to 1880  |       |
| SPA 3356                                       | Survey of Latin American Literature from 1880 to Present   |       |
| SPA 4375                                       | Contemporary Spanish American Theater  |       |
| SPA 4376                                       | The Spanish-American Novel   |       |
| <i>History</i>                                 |  |       |
| HIS 3353                                       | Pre-Columbian and Colonial Latin America   | 3     |
| HIS 3355                                       | Modern Latin America   | 3     |
| <i>Social Sciences and Humanities</i>          |  |       |
| Select six semester hours from the following:  |  | 6     |

|   |  |           |
|---|--|-----------|
| ANT 3340  | Indigenous Cultures of Modern Mexico and Central America |           |
| ANT 3351  | Ancient Civilizations of Mesoamerica                     |           |
| ANT 4680  | Field School in Cultural Anthropology                    |           |
| ENV 4310  | World Food Problems                                      |           |
| ENV/ANT 4350  | Development and Indigenous Peoples                       |           |
| HIS 4350/<br>LAS 4351   | The History of Gender in Latin America                   |           |
| HIS 4357  | Inter-American Relations                                 |           |
| LAS/MUS 4364  | Traditional Music and Culture in Latin America           |           |
| PHI 4331  | Latin American Philosophy                                |           |
| PSC 4304  | Governments and Politics of Latin America                |           |
| PSC 4314  | Government and Politics of Mexico                        |           |
| Three semester hours of additional courses selected from those listed above |  | 3         |
| <b>Subtotal</b>   |  | <b>30</b> |
| <b>Required Courses in Other Fields <sup>1</sup></b>                        |  |           |
| SPA 1301  | Elementary Spanish                                       | 3         |
| SPA 1302  | Elementary Spanish                                       | 3         |
| SPA 2310  | Intermediate Spanish                                     | 3         |
| SPA 2320  | Exploring the Spanish-Speaking World                     | 3         |
| <b>Total Hours</b>  |  | <b>42</b> |

<sup>1</sup> While not required, students are encouraged to take:

POR 1301 Elementary Portuguese

POR 1302 Elementary Portuguese

POR 2310 Intermediate Portuguese

POR 2320 Exploring the Portuguese-Speaking World

## Latin American Studies Minor

### Requirements for a Minor in Latin American Studies

| Code   | Title   | Hours     |
|--|---|-----------|
| Eighteen semester hours including the following: |   |           |
| <b>Required Courses</b>                          |   |           |
| LAS 2301   | An Introduction to Latin American Studies               | 3         |
| LAS 3390   | Special Studies in Latin American Studies               | 3         |
| LAS 4350   | Latin American Studies Seminar                          | 3         |
| LAS 4390   | Advanced Reading and Research in Latin American Studies | 3         |
| SPA 3311   | Spanish-American Civilization                           | 3         |
| Select three semester hours from the following:  |   | 3         |
| ANT 3351   | Ancient Civilizations of Mesoamerica                    |           |
| HIS 3353   | Pre-Columbian and Colonial Latin America                |           |
| HIS 3355   | Modern Latin America                                    |           |
| PSC 4304   | Governments and Politics of Latin America               |           |
| PSC 4314   | Government and Politics of Mexico                       |           |
| <b>Total Hours</b>                               |   | <b>18</b> |

## Middle East Studies Minor

The Middle East is the cradle of both Western civilization and its major religious traditions: Christianity, Judaism, and Islam. The Middle East Studies minor is intentionally interdepartmental and interdisciplinary. It is designed to provide students with a broad range of knowledge related to the Middle East. It also provides the student with several opportunities to travel to the Middle East. The central geographical focus of this program will be on the Arab states, Israel, Turkey, and Iran. The chronological scope of the program will range from the dawn of civilization to the present.

### Requirements for a Minor in Middle East Studies

| Code  | Title   | Hours |
|---|---|-------|
| Eighteen semester hours including the following:              |   |       |
| <b>Required Courses</b>                                       |   |       |
| <i>Middle East Studies Core</i>                               |   |       |
| Select twelve semester hours from the following: <sup>1</sup> |   | 12    |
| ARC/REL 4302  | Archaeology and the Ancient Near East                       |       |
| HIS 3311  | Middle East History 600 - 1798                              |       |
| HIS 4312  | Modern Middle East History                                  |       |
| MES 2301  | Introduction to the Middle East                             |       |
| PSC 4334  | Governments and Politics of the Middle East                 |       |
| REL 4343  | Topics in Islam   |       |
| <i>Additional Requirements</i>                                |   |       |
| Select six semester hours from the following:                 |   | 6     |
| ANT 1310  | Cultural Geography  |       |
| ANT 4341  | Archaeology of the Mediterranean                            |       |
| ARB 1301  | Introduction to Arabic                                      |       |
| or ARB 1302   | Intro to Arabic   |       |
| ARB 2310  | Intermediate Spoken/Modern Standard Arabic                  |       |
| or ARB 2320   | Arabic Popular Culture                                      |       |
| ARC 2308  | Historical Geography of the Biblical World                  |       |
| ARC 3303  | Archaeology and the Bible                                   |       |
| ARC 4V06  |   |       |
| ECO 4321  | Energy Economics  |       |
| HEB 1301  | Introductory Hebrew I                                       |       |
| or HEB 1302   | Introductory Hebrew II                                      |       |
| HEB 2310  | Intermediate Hebrew I                                       |       |
| or HEB 2320   | Intermediate Hebrew II                                      |       |
| HIS 4313  | War and Peace in the Middle East                            |       |
| MES/REL 3V00  | Biblical Heritage and Contemporary Society in the Holy Land |       |
| MES 4V01  | Readings in Mid-East Studies                                |       |
| PSC 3314  | Politics and Problems of Developing Countries               |       |
| PSC 3324  | World Political Systems                                     |       |
| REL 4332  |   |       |

A grade of "C" or better for courses counting toward the minor.

At least nine of the eighteen hours for the minor must be at the "3000" or "4000" level

**Total Hours****18**

<sup>1</sup> With special permission MES 4V01 Readings in Mid-East Studies may be taken for three hours credit.

## Slavic and East European Studies

The Slavic and East European Studies Program will provide the interested student with an international component in the student's undergraduate course of study. Completion of the program will indicate the acquisition of fundamental substantive and linguistic tools which will further strengthen a student's job credentials in a wide variety of occupations. The Slavic and East European Studies Program will also provide the student with a solid foundation for further professional training in law, business, journalism, communications, government service, and graduate school.

- Slavic and East European Studies, B.A. (p. 197)
- Slavic and East European Studies - Secondary Major (p. 197)

## Slavic and East European Studies, B.A.

### Requirements for a Major in Slavic and East European Studies

| Code  | Title  | Hours |
|---|--|-------|
| Twenty-seven semester hours including the following:  |  |       |
| <b>Required Courses</b>   |  |       |
| SEES/HIS 2380   | Introduction to Slavic and East European Studies I | 3     |
| SEES/HIS 2381   | Introduction to Slavic and East European Studies   | 3     |
| RUS 2310  | Intermediate Russian <sup>1</sup>                  | 3     |
| RUS 2320  | Russian Culture in Context <sup>1</sup>            | 3     |
| Select fifteen semester hours from the following, with no more than nine hours to be taken in any one prefix: |  | 15    |
| ECO 4338  | Economic Systems of the World                      |       |
| HIS 3340  | Russia to 1861                                     |       |
| HIS 3342  | Russia since 1861                                  |       |
| SEES/HIS 4379   | The Cold War                                       |       |
| PSC 3324  | World Political Systems                            |       |
| PSC 3325  | Ethnopolitical Conflicts                           |       |
| PSC 4325  | Asian International Relations                      |       |
| PSC 4344  | Government and Politics of Russia                  |       |
| REL 3345  | World Religions                                    |       |
| RUS 3301  | Russian Conversation and Composition               |       |
| RUS 3302  | Russian Reading Development                        |       |
| RUS 3V70  | Special Problems                                   |       |
| RUS 4301  | Survey of Russian Literature                       |       |
| RUS 4302  | Survey of Russian Literature, continued            |       |
| RUS 4V90  | Independent Study                                  |       |
| SEES/MUS 4363   | Traditional Music and Culture in Europe            |       |

SEES 3V70/4V90 Advanced Independent Study

**Required Courses in Other Fields**

All major requirements in another department or study program available on the B.A. Degree. <sup>2</sup>

**Total Hours****27**

- <sup>1</sup> This language requirement may also be fulfilled by any of the languages of the areas. The countries served by Slavic and East European Studies are Russia, Ukraine, Belarus, Estonia, Latvia, Lithuania, Moldova, Armenia, Georgia, Azerbaijan, Kazakhstan, Kyrgyzstan, Uzbekistan, Turkmenistan, Tajikistan, Poland, Czech Republic, Slovakia, Hungary, Romania, Slovenia, Croatia, Bosnia-Herzegovina, Serbia, Montenegro, Macedonia, Albania, Bulgaria.
- <sup>2</sup> No more than six semester hours of courses listed in both Slavic and East European Studies and another department may be applied to the major requirements of that department and the major in Slavic and East European Studies.

## Slavic and East European Studies - Secondary Major

### Requirements for a Secondary Major in Slavic and East European Studies

| Code  | Title  | Hours     |
|---|--|-----------|
| Twenty-seven semester hours including the following:  |  |           |
| <b>Required Courses</b>   |  |           |
| SEES/HIS 2380   | Introduction to Slavic and East European Studies I | 3         |
| SEES/HIS 2381   | Introduction to Slavic and East European Studies   | 3         |
| RUS 2310  | Intermediate Russian <sup>1</sup>                  | 3         |
| RUS 2320  | Russian Culture in Context <sup>1</sup>            | 3         |
| Select fifteen semester hours from the following, with no more than nine hours to be taken in any one prefix: |  | 15        |
| ECO 4338  | Economic Systems of the World                      |           |
| HIS 3340  | Russia to 1861                                     |           |
| HIS 3342  | Russia since 1861                                  |           |
| SEES/HIS 4379   | The Cold War                                       |           |
| PSC 3324  | World Political Systems                            |           |
| PSC 3325  | Ethnopolitical Conflicts                           |           |
| PSC 4325  | Asian International Relations                      |           |
| PSC 4344  | Government and Politics of Russia                  |           |
| RUS 3301  | Russian Conversation and Composition               |           |
| RUS 3302  | Russian Reading Development                        |           |
| RUS 3V70  | Special Problems                                   |           |
| RUS 4301  | Survey of Russian Literature                       |           |
| RUS 4302  | Survey of Russian Literature, continued            |           |
| RUS 4V90  | Independent Study                                  |           |
| SEES/MUS 4363   | Traditional Music and Culture in Europe            |           |
| SEES 3V70   | Advanced Independent Study                         |           |
| SEES 4V90   | Independent Readings                               |           |
| <b>Total Hours</b>  |  | <b>27</b> |



<sup>1</sup> This language requirement may also be fulfilled by any of the languages of the areas. The countries served by Slavic and East European Studies are Russia, Ukraine, Belarus, Estonia, Latvia, Lithuania, Moldova, Armenia, Georgia, Azerbaijan, Kazakhstan, Kyrgyzstan, Uzbekistan, Turkmenistan, Tajikistan, Poland, Czech Republic, Slovakia, Hungary, Romania, Slovenia, Croatia, Bosnia-Herzegovina, Serbia, Montenegro, Macedonia, Albania, Bulgaria.

## World Affairs Minor

The World Affairs minor consists of eighteen semester hours including nine hours of advanced work. The courses in Group I form the foundation for subsequent courses in the minor. Courses emphasize global concerns in the discipline and give attention to at least two of the following geographic areas: Europe, Asia, South America, the Middle East, and Africa.

### Requirements for a Minor in World Affairs

| Code  | Title  | Hours |
|---|--|-------|
| Eighteen semester hours, nine of which must be at the 3000-4000 level, including the following: |  |       |
| <b>Required Courses</b>   |  |       |
| Six semester hours of foreign language at the 2000-4000 level                                   |  | 6     |
| <i>Group I</i>  |  |       |
| Select three semester hours from the following:   |  | 3     |
| ANT 1310  | Cultural Geography                                       |       |
| ENG 2306  | World Literature   |       |
| HIS 1305  | World History to 1500                                    |       |
| HIS 1307  | World History since 1500                                 |       |
| GEOG 1300   | World Geography  |       |
| MLC 1101  | First-Year Global Community <sup>1</sup>                 |       |
| MLC 3101  | Global Community and Cross-Cultural Studies <sup>1</sup> |       |
| <i>Group II</i>   |  |       |
| Select three semester hours from the following:   |  | 3     |
| ANT 4311/<br>ENV 4310   | World Food Problems                                      |       |
| ANT/ENV 4327  | Human Catastrophe and Cultural Response                  |       |
| ECO 3331  | International Economics                                  |       |
| ECO/AST/INB<br>4338   | Economic Systems of the World                            |       |
| ENV/ANT 4310  | World Food Problems                                      |       |
| ADM 4310  | Textiles and Apparel in a Global Economy                 |       |
| NUTR 4352   | World Nutrition  |       |
| CFS 4356  | The Family: A Global Perspective                         |       |
| INB 3305  | Global Business  |       |
| INB 3333  | Doing Business Across Cultures                           |       |
| MLC 3101  | Global Community and Cross-Cultural Studies <sup>1</sup> |       |
| PSC 3324  | World Political Systems                                  |       |
| PSC 3325  | Ethnopolitical Conflicts                                 |       |
| SOC 3365  | Population Geography                                     |       |
| <i>Group III</i>  |  |       |
| Select three semester hours from the following:   |  | 3     |

|  |  |           |
|--|--|-----------|
| ENG 3375   | Post-Colonial Literature                                 |           |
| ENG 4379   | Great Books of the Western World                         |           |
| FDM 2351   | History of Motion Pictures                               |           |
| JOU 3387   | International Communication                              |           |
| MLC 3101   | Global Community and Cross-Cultural Studies <sup>1</sup> |           |
| MLC 3300   | Perspectives of Literature in Translation <sup>1</sup>   |           |
| MUS 3321   | Music in World Cultures                                  |           |
| MUS/ANT 4360   | Ethnographic and Analytical Methods in Ethnomusicology   |           |
| MUS 4366   | Performance Practices in World Music                     |           |
| REL 3345   | World Religions  |           |
| THEA 4321  | History of Costume                                       |           |
| Three additional semester hours selected from Groups II or III |  | 3         |
| <b>Total Hours</b>   |  | <b>18</b> |

<sup>1</sup> Global Communities—No more than six hours of MLC will apply on the minor.

## Museum Studies

The Department of Museum Studies prepares Baylor students for careers in the museum profession, cultural organizations, and related non-profit institutions through an undergraduate major, a baccalaureate minor, and a joint BA/MA. Students will come away with a solid grounding in museum education, collections management, curation, and administration, and with the opportunity to concentrate in any one of these or in museum-related research.

- Museum Studies, B.A. (p. 199)
- Museum Studies Minor (p. 199)
- Joint Bachelor of Arts/Master of Arts in Museum Studies (p. 200)

## Museum Studies (MST)

### MST 1300 Introduction to Museums (3)

Introduction to the historical development of museums, the museum profession, and the field of museum studies.

### MST 2303 Museum Educational Programming (3)

The history and development of museum education including both directed/formal education and free-choice/informal learning.

### MST 3304 Introduction to Cultural Collections (3)

Examines cultural collections in museums, libraries, and archives, including their historical development; their role in society; and their use in scholarship, education, and public programming.

### MST 3V9R Research (3)

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

### MST 4301 Nonprofit Perspectives (3)

Pre-requisite(s): Credit or concurrent enrollment in MST 1300

Overview of museum and non-profit administration, with emphasis on governance, oversight, budgetary planning, fundraising, public relations, and ethics.

**MST 4302 Introduction to Outreach and Community Relations for Museums (3)**

Pre-requisite(s): Credit or concurrent enrollment in MST 1300; Upper-level standing or consent of instructor

Development of outreach techniques in U.S. museums. Hands-on experience researching, creating, and executing strategies in advertising, public relations, marketing, and development/fundraising, including a marketing plan for a museum/archive/library partner institution.

**MST 4307 Historic Buildings and Sites (3)**

Pre-requisite(s): Upper-level standing

Varieties and techniques of historic preservation in America.

**MST 4308 Introduction to Material Culture (3)**

Pre-requisite(s): upper-level standing

The material evidence of American life, including everyday artifacts, and those reflecting social and political history.

**MST 4309 Introduction to American Decorative Arts (3)**

Pre-requisite(s): Upper-level standing

Guide to the origins, nature and display, as well as chronological and geographical classification of American decorative arts.

**MST 4313 Ethical Issues in Cultural Collections Management (3)**

Pre-requisite(s): Upper-level standing

Ethical issues in museums, libraries, and archives. Emphasis on collections management issues such as fakes and forgeries, accessioning and deaccessioning, cultural patrimony, interpretation and exhibition, and repatriation.

**MST 4324 Introduction to Archival Collections and Museums (3)**

Pre-requisite(s): MST 1300, Upper-level standing

The history of records and recordkeeping systems, the organizational structure of museums, and the respective roles of collectors and researchers in the archival environment.

**MST 4330 Amer. Monuments & Memorials (3)**

Pre-requisite(s): Upper-level standing

Advanced topics in Museum Studies not covered in other museum studies courses. May be repeated once under a different topic.

**MST 4331 Exhibit Design and Preparation (3)**

Pre-requisite(s): Upper-level standing

Exhibit design as a way to meet the needs, interests and learning styles of museum visitors.

**MST 4V60 Museum Internship (3-6)**

Pre-requisite(s): Consent of instructor

Internship in the daily operation of a museum or related organization and completion of a specialized project.

**MST 4V70 Independent Studies in Museums (3-6)**

Pre-requisite(s): Consent of the instructor

Directed studies of standards of museum professional practices.

**MST 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor Undergraduate research undertaken under the supervision of a faculty member

May be taken for a maximum of 6 hours.

## Museum Studies, B.A.

### Requirements for a Major in Museum Studies

| Code   | Title  | Hours     |
|--|--|-----------|
| Thirty-six semester hours including the following:   |  |           |
| <b>Required Courses</b>  |  |           |
| MST 1300   | Introduction to Museums                                      | 3         |
| MST 4V60   | Museum Internship  | 6         |
| Students may complete one 6-credit hour internship or two 3-credit hour internships.                     |  |           |
| Students must complete 120 to 150 hours of work at an approved site for each 3 hours of credit received. |  |           |
| <b>Concentration Requirements</b>  |  |           |
| Twenty-seven hours of coursework selected from at least four of the five concentration areas:            |  | 27        |
| <i>Education</i>   |  |           |
| MST 2303   | Museum Educational Programming                               |           |
| MST 3305   |  |           |
| TED 4V98   | Special Topics in Teacher Education                          |           |
| <i>Collections</i>   |  |           |
| MST 3304   | Introduction to Cultural Collections                         |           |
| MST 4324   | Introduction to Archival Collections and Museums             |           |
| <i>Curation</i>  |  |           |
| MST 4307   | Historic Buildings and Sites                                 |           |
| MST 4308   | Introduction to Material Culture                             |           |
| MST 4309   | Introduction to American Decorative Arts                     |           |
| <i>Administration</i>  |  |           |
| MST 4301   | Nonprofit Perspectives                                       |           |
| MST 4302   | Introduction to Outreach and Community Relations for Museums |           |
| MST 4313   | Ethical Issues in Cultural Collections Management            |           |
| <i>Research</i>  |  |           |
| MST 3V9R   | Research   |           |
| MST 4V9R   | Research   |           |
| <b>Additional Requirements</b>   |  |           |
| A minor in a cognate field in the College of Arts and Sciences. <sup>1</sup>                             |  |           |
| A grade of "C" or better in courses used for the major.  |  |           |
| <b>Total Hours</b>   |  | <b>36</b> |

<sup>1</sup> Cognate Minors from departments including, but not limited to, the following: Anthropology, Art & Art History, History, and Journalism.

## Museum Studies Minor

The minor provides students with other majors a solid introduction to the museum field, to different aspects of the museum profession, and to the study of artifacts of aesthetic or historic significance.

## Requirements for a Minor in Museum Studies

| Code  | Title  | Hours     |
|---|--|-----------|
| Eighteen semester hours including the following:  |  |           |
| <b>Required Courses</b>   |  |           |
| MST 1300  | Introduction to Museums                                      | 3         |
| MST 4V60  | Museum Internship  | 3         |
| <b>Concentration Requirements</b>   |  |           |
| Twelve semester hours, six of which must be at the 3000-4000 level, selected from at least two of the four concentration areas: |  | 12        |
| <i>Education</i>  |  |           |
| MST 2303  | Museum Educational Programming                               |           |
| MST 3305  |  |           |
| <i>Collections</i>  |  |           |
| MST 3304  | Introduction to Cultural Collections                         |           |
| MST 4324  | Introduction to Archival Collections and Museums             |           |
| <i>Curation</i>   |  |           |
| MST 4307  | Historic Buildings and Sites                                 |           |
| MST 4308  | Introduction to Material Culture                             |           |
| MST 4309  | Introduction to American Decorative Arts                     |           |
| <i>Administration</i>   |  |           |
| MST 4301  | Nonprofit Perspectives                                       |           |
| MST 4302  | Introduction to Outreach and Community Relations for Museums |           |
| MST 4313  | Ethical Issues in Cultural Collections Management            |           |
| <b>Additional Requirements</b>  |  |           |
| A grade of "C" or better in museum studies courses used for the minor.  |  |           |
| <b>Total Hours</b>  |  | <b>18</b> |

## Joint Bachelor of Arts/Master of Arts in Museum Studies

To earn a joint BA/MA in Museum Studies, a student must apply in their junior year and complete all requirements for the BA degree with a major in Museum Studies, as well as additional coursework at the graduate level. (See the Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/museum-studies/joint-ba-select-majorsma-museum-studies/>) for details of graduate requirements, including eligibility and admissions.)

## Philosophy

The philosophy program provides a solid foundation in the history of philosophy. In addition, the program involves in-depth study of specific subject areas, including logic, ethics, aesthetics, epistemology, metaphysics, and philosophy of religion. This dual emphasis cultivates students' capacity for critical analysis, stimulates independent thinking, and promotes sound reasoning based on knowledge, moral discrimination, and religious insight.

## Department of Philosophy

- Philosophy, B.A. (p. 203)
- Philosophy - Secondary Major (p. 204)
- Philosophy Minor (p. 205)

## Philosophy (PHI)

### PHI 1301 Introductory Topics in Philosophy (3)

A writing-intensive introduction to the major philosophical topics, themes, and thinkers. Students develop the ability to read texts critically and to write well-researched argumentative essays about perennial philosophical questions.

### PHI 1302 Introduction to Philosophy (Non-writing Intensive) (3)

An introduction to the major philosophical topics, themes, and thinkers. Students develop the ability to read texts critically.

### PHI 1306 Logic (3)

A study of the basic principles and methods for distinguishing good and bad reasoning across a broad range of contexts, with an emphasis on deductive reasoning. Students develop formal tools to identify, reconstruct, and evaluate arguments, and to compose argumentative essays of their own.

### PHI 1307 Critical Thinking (3)

The development of critical, coherent, and creative thinking, including understanding, analyzing, and evaluating the claims of others, organizing ideas clearly, and constructing sound arguments. Development of sensitivity to argumentation technique and to the language in which arguments are expressed, with particular attention to the persuasive techniques of advertising and other controversial issues in the mass media.

### PHI 1308 Contemporary Moral Problems (3)

An introduction to philosophical issues and theories associated with the normative assessment of human behavior through engagement with one or more contemporary social issues such as poverty, war, immigration, affirmative action, drug legalization, abortion, sexuality, animal rights, and the environment.

### PHI 1309 Introduction to Medical Ethics (3)

Introduction to philosophical reasoning regarding medical ethics, including confidentiality, intervention in the beginning and ending of human life, and just distribution of medical resources.

### PHI 1310 Computer Ethics (3)

Analysis of ethical problems for information technologies. Topics include ethical implications of new possibilities in information technologies, privacy, ownership, professional codes of conduct as they relate to society, and role of information technologies in shaping morality of government, education, politics, business, and society.

### PHI 1V9R Research (3)

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

### PHI 2301 Existentialism (3)

An examination and evaluation of philosophical themes and methods in existentialist writings. Themes such as freedom, anxiety, despair, nothingness, alienation, death, God, the impotence of reason, the conflict between individuality and the dehumanizing tendencies of mass society, and the conflict between authentic self and inauthentic self are considered. Attention is focused upon the work of such thinkers as Kierkegaard, Nietzsche, Jaspers, Heidegger, Marcel, Sartre, and Camus.

**PHI 2303 Philosophy in Literature (3)**

A critical engagement of the philosophical ideas represented in selected literary texts, such as science fiction, dystopian fiction, the inklings, or existentialist literature, indicated by course subtitle. Examines a wide variety of philosophical topics with special attention to the role of imagination.

**PHI 2305 Philosophy and Religion (3)**

Pre-requisite(s): Students will be required to take the English Placement Exam (EPE) before registering for a course on the Research Writing Distribution List, unless they have achieved one of the following: A score of 20 or above on the English component of the ACT, or a score of 500 or above on the Critical Reading component of the old SAT or 28 or above on the Reading component of the new SAT

A writing-intensive introduction to philosophical issues arising from religious belief and practice. Students develop the ability to read texts critically, and to write clear argumentative essays about such topics as faith and reason, the problem of evil, and the coherence of doctrines like atonement and incarnation.

**PHI 2308 Philosophical Texts (3)**

A study of central philosophical texts in their historical context and for their enduring philosophical contributions. Possible texts include Plato's Republic; Aristotle's Nicomachean Ethics, Augustine's Confessions, St. Thomas's Summa, Descartes' Meditations, Kierkegaard's Fear and Trembling, and Nietzsche's Thus Spoke Zarathustra. May be taken a maximum of two times if different topics, not to exceed six semester hours.

**PHI 2309 Philosophical Traditions (3)**

An introductory study of a central philosophical tradition in its historical context and for its enduring philosophical contribution. Possible traditions include existentialism, feminism, political liberalism, pragmatism, post-modernism, naturalism, positivism, and scholasticism. May be taken a maximum of two times if different topics, not to exceed six semester hours.

**PHI 2310 Law, Science and Society (3)**

A study of philosophical issues arising at the intersections of law, morality, science, and society. The course will consider such issues as the proper relation between morality and law, civil disobedience, racism, feminism, equal opportunity and justice, abortion, euthanasia, animal rights, punishment, pornography, creationism, and moral aspects of technological development.

**PHI 2370 Business Ethics (3)**

An analysis of moral issues that arise within the economic sphere of society and specifically within profit and nonprofit organizations. The nature and justification of moral decision making will be examined. Topics may include moral issues involving the relationships between business and other social organizations, ecology, the social responsibility of entrepreneurs, and personnel and policy decisions.

**PHI 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHI 3301 Moral Philosophy (3)**

A critical study of problems in moral judgment and evaluation, with analysis of presuppositions and justifications used in moral discourse. Problems such as freedom and determinism, relativism and absolutism, conflicts of duties and ends, grounds of moral obligation, and choices involving personal and social goals are also studied. This course will introduce students to a number of major primary sources in the history of moral philosophy.

**PHI 3305 British Philosophy and Culture (3)**

This course is designed for Baylor University's study-abroad program. (Note: see section in this catalog regarding foreign study.) While the specific course content will vary with the instructor, attention will be given to the way issues have been addressed by philosophers in the British Isles such as Thomas More, Francis Bacon, Hobbes, Locke, Hume, John Stuart Mill, Wittgenstein, Bertrand Russell, and Gilbert Ryle. The philosophical ideas of literary figures such as Jane Austen, Robert Browning, and William Wordsworth may also be considered. Discussions will be developed in the rich settings of cathedrals, theaters, universities, and museums.

**PHI 3310 History of Philosophy: Classical Philosophy (3)**

Historical context in which philosophy developed and how the original issues of philosophy continue to inform historical and contemporary philosophical debate. Emphasizes the reading of primary sources: Homer, Hesiod, the pre-Socratics, the Sophists, Plato, and Aristotle, and the study of Stoicism, Epicureanism, and Skepticism.

**PHI 3312 History of Philosophy: Modern European Philosophy (3)**

A study of the major developments in philosophy from the Renaissance through the first half of the nineteenth century. The demise of late Scholasticism, the rise of modern science, the philosophies of the Continental Rationalists and the British Empiricists, the critical philosophy of Kant, and German Idealism are considered. Philosophers studied include Descartes, Leibniz, Spinoza, Hobbes, Locke, Berkeley, Hume, Kant, Hegel, Marx, Schopenhauer, Kierkegaard, and Nietzsche.

**PHI 3318 Philosophy and Constitutional Issues (3)**

Pre-requisite(s): Upper-level standing  
The examination of certain philosophical issues that are raised by the U.S. Constitution, and especially by the Bill of Rights and the 14th Amendment.

**PHI 3320 Philosophical Issues in Feminism (3)**

A critical study of philosophical issues in feminism including moral issues of equal rights and justice, sex role stereotypes, equal opportunity and reverse discrimination, equality between the sexes, abortion, and philosophers' theories of feminism. Topics may vary from semester to semester.

**PHI 3322 Philosophy and the Arts (3)**

Cross-listed as ARTH 3390  
A survey of the major contemporary sources in aesthetics. Problems discussed are concerned with the aesthetic experience, the interpretation of art (including the definition of art, the nature of metaphor, the relation of art to knowledge, meaning in art), and criticism in literature and other art forms.

**PHI 3339 Law and Religion (3)**

Cross-listed as PSC 3339, REL 3339  
Relationships between government and religion, especially, United States Supreme Court decisions dealing with prayer and Bible reading in public schools, government aid to church-related schools, and religious liberty rights of individuals and churches. Philosophical debates about the nature of religious free exercise and establishment, their justification, and their relationship to different political theories. Note for undergraduate religion majors: This course will be accepted as three elective hours on a religion major, but will not be accepted for credit on a minor in religion or toward the six hour religion requirement by the University.



**PHI 3395 Historiography and the Philosophy of History (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
 An introduction to ancient, medieval, and modern historiography and the development of the philosophy of history. Critical consideration will be given to traditional thought about concepts fundamental to history, including the ideas of historical explanation, purpose, cause, and interpretation. Emphasis will be given to methods of historical research and writing.

**PHI 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
 Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHI 4300 History of Medicine (3)**

Cross-listed as HIS 4300, MH 4300  
 See MH 4300 for course information.

**PHI 4301 War and Morality (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
 An analysis of the moral and philosophical issues arising from military operations around the world, whether formal or informal, historical and contemporary.

**PHI 4310 Philosophy of Science (3)**

An analysis of philosophical problems about science. Such central concepts as law, causation, induction, hypothesis, theory, verification, and models are studied. Presuppositions and methodologies of different sciences may be examined. The relation of scientific views to moral, social, and metaphysical problems is considered.

**PHI 4311 Epistemology (3)**

Pre-requisite(s): Two PHI courses or consent of instructor  
 A critical examination of classical and current problems in theories of knowledge. Attention is given to such problems as meaning, truth, the knowing situation, universals, knowledge of the external world and of other minds, and validation of knowledge claims. The contributions of recent movements such as logical empiricism, linguistic analysis, phenomenology may be studied.

**PHI 4314 History of Philosophy: Patristic and Medieval (3)**

The history and development of philosophy from 250 to 1400 A.D. Some of the major philosophers studied include Augustine, Boethius, John Scotus Erigena, Anselm, Abelard, Avicenna, Averroes, Maimonides, Bonaventure, Thomas Aquinas, John Duns Scotus, and William of Ockham. Special emphasis will be placed on the significance of pre-Enlightenment thinkers to the development of the Enlightenment and Modernity.

**PHI 4317 Philosophy of Mind (3)**

Pre-requisite(s): Two PHI courses or consent of instructor  
 Critical examination of current problems in philosophy of mind, focusing on the relationship between mind and physical world. Central issues include the nature of consciousness, and the nature of mental content; secondary topics may include, reductionism, functionalism, non-reductive materialism, epiphenomenalism, panpsychism, and dualisms of various forms.

**PHI 4318 Philosophy of Law (3)**

A critical study of historical and contemporary approaches to primary issues in jurisprudence and the philosophy of law, including tort law, criminal law, and Constitutional law.

**PHI 4319 Philosophical Writing, Research and Oral Presentation (3)**

Pre-requisite(s): Upper-level standing and consent of instructor  
 Enhancing philosophical writing skills, promoting proficiency with new computer research technologies, and refining oral communication skills.

**PHI 4320 The Philosophy of Religion (3)**

Pre-requisite(s): Two PHI courses or consent of instructor  
 A philosophical inquiry into such topics as the existence and nature of God, religious experience, immortality, the problem of evil, the relationship between reason and faith, the meaning of religious language and symbols, and the validity of religious knowledge claims. Methods of contemporary philosophical analysis are used in clarifying religious concepts.

**PHI 4321 Metaphysics (3)**

Pre-requisite(s): Two philosophy courses or consent of instructor  
 A critical analysis of classical and contemporary metaphysical systems and problems. These include the world views found in the philosophies of naturalism, idealism, personalism, positivism, pragmatism, organicism, and existentialism. Problem areas considered are mind-body relations, cosmology, ontology, philosophical anthropology, universals, determinism, and freedom. Basic categories such substance, cause, time, space, matter, and form are critically examined. Attention also is focused upon methods and criteria employed in metaphysical study.

**PHI 4324 Philosophy in Literature (3)**

A critical study of philosophical material in literature, that is, a study of the philosophy to be found in essays, novels, poems, and plays. Among the authors usually studied are Plato, Aristotle, Theophrastus, Lucretius, Voltaire, Goethe, Ibsen, Nietzsche, Kafka, Camus, Sartre, Malraux, Hesse and selected contemporary novelists.

**PHI 4325 Literary and Philosophical Perspectives on Medicine (3)**

Pre-requisite(s): Open to Philosophy and Medical Humanities majors and minors only; or consent of instructor  
 Examination of literature dealing with illness, disease, pain, and death in order to understand better how societal perceptions and values of the care-giver affect the patient.

**PHI 4331 Latin American Philosophy (3)**

Pre-requisite(s): Upper-level standing  
 Philosophical and intellectual movements in Latin America from the colonial times to the present. These movements include scholasticism, eclecticism, utilitarianism, romanticism, positivism, vitalism, phenomenology, and existentialism and philosophies of liberation. Works of major representatives of these movements (including such men as Bello, Mora, Sierra, Varona, Deustua, Caso, Korn, Vasconcelos, Farias Brito, Vaz Ferreira, and Romero) are studied.

**PHI 4340 East Asian Philosophy (3)**

Cross-listed as AST 4340  
 An historical and critical survey of the major movements in Chinese, Indian, or Japanese philosophy. Course may be repeated once with different area of concentration.

**PHI 4341 Contemporary Continental Philosophy (3)**

A critical study of philosophical movements in Europe during the past one hundred and fifty years. Some of the major philosophers studied include Nietzsche, Husserl, Adorno, Heidegger, Merleau-Ponty, Sartre, de Beauvoir, Wittgenstein, Russell, Carnap, Gadamer, Habermas, Lyotard, Foucault, and Derrida. Movements studied include phenomenology, positivism, naturalism, critical theory, existentialism, structuralism, deconstructionism, and post modernism. Course may be repeated once with a different area of concentration.



**PHI 4342 Contemporary American Philosophy (3)**

A critical study of philosophical movements in the United States during the past one hundred years. Some of the philosophers whose works are studied include Pierce, James, Royce, Dewey, Mead, Lewis, Santayana, Whitehead, and Quine. Recent movements such as critical realism, naturalism, humanism, personalism, logical positivism, and linguistic analysis are also studied.

**PHI 4345 Intermediate Logic (3)**

Cross-listed as MTH 3345, PHI 3345

Pre-requisite(s): Upper-level standing

The language of first-order logic as a formal deductive system.

**PHI 4353 Philosophy of Language (3)**

Pre-requisite(s): Prerequisite(s): Two PHI courses or consent of instructor

Critical examination of the basic problems in general semantics and philosophy of language, giving special attention to the major authors in these fields.

**PHI 4360 Contemporary Ethical Theory (3)**

Pre-requisite(s): Two philosophy courses or consent of instructor

Major issues in contemporary ethical writings. Course may be repeated once for credit if topic varies.

**PHI 4361 Social Philosophy (3)**

Cross-listed as PSC 4353

A critical survey of the fundamental concepts and theories used in justifying social institutions. Problems such as authority, law, freedom, rights, equality, responsibility, power, justice, the state, and justification of open societies are considered.

**PHI 4363 Philosophy and Medicine (3)**

Philosophical approaches to clinical medicine and contemporary health care, focusing on experience as a basis for knowledge.

**PHI 4365 Jewish Philosophy (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Jewish philosophy in the twentieth century, with emphasis on the relation between mortality and morality, justice and totalitarianism, faith after the Holocaust, and individualism and revolution.

**PHI 4379 Islam and Democracy (3)**

Pre-requisite(s): Upper-level standing

Examines the evolution of political philosophy and institutions in Muslim culture.

**PHI 4385 Religious Ethics in a Liberal Democracy (3)**

Pre-requisite(s): Upper-level standing

Addresses both historical and contemporary arguments about the relationship between religious morality and liberal democracy. Pays particular attention to the debate about the role of religious forms of ethics/morality in public debate, public choices, and the decisions of political actors.

**PHI 4V99 Special Topics in Philosophy (1-3)**

Pre-requisite(s): Senior or graduate standing and consent of instructor

Faculty-directed individual, group, or class research project. Course may be taken up to three times with a different topic for a maximum of 9 credit hours.

**PHI 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

# Philosophy, B.A.

## Requirements for a Major in Philosophy

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

Thirty semester hours including the following:

### Required Courses

#### Philosophy Core

|  |   |   |
|--|---|---|
| PHI 3310                               | History of Philosophy: Classical Philosophy       | 3 |
| PHI 3312                               | History of Philosophy: Modern European Philosophy | 3 |
| PHI 1306<br>or PHI 1307<br>or PHI 4345 | Logic<br>Critical Thinking<br>Intermediate Logic  | 3 |
| PHI 3301                               | Moral Philosophy                                  | 3 |

#### Philosophy Concentrations

|  |    |
|--|----|
| Select one Concentration from the following: | 15 |
|--|----|

|                             |
|-----------------------------|
| General Philosophy (p. 204) |
|-----------------------------|

|                                |
|--------------------------------|
| Pre-Law Concentration (p. 204) |
|--------------------------------|

|                                  |
|----------------------------------|
| Philosophy and Medicine (p. 204) |
|----------------------------------|

|                              |
|------------------------------|
| Departmental Honors (p. 204) |
|------------------------------|

|   |   |
|---|---|
| Select three semester hours from the following: | 3 |
|---|---|

|                             |
|-----------------------------|
| Three semester hours of PHI |
|-----------------------------|

|          |                        |
|----------|------------------------|
| ANT 4305 | Anthropological Theory |
|----------|------------------------|

|          |                               |
|----------|-------------------------------|
| ECO 4338 | Economic Systems of the World |
|----------|-------------------------------|

|          |                             |
|----------|-----------------------------|
| ECO 4343 | History of Economic Thought |
|----------|-----------------------------|

|          |   |
|----------|---|
| HIS 4338 | Cultural and Intellectual History of Europe through the Seventeenth Century |
|----------|---|

|          |  |
|----------|--|
| HIS 4339 | Cultural and Intellectual History of Modern Europe |
|----------|--|

|          |  |
|----------|--|
| HIS 4395 | History of American Thought, 1630-1859 |
|----------|--|

|          |  |
|----------|--|
| HIS 4396 | History of American Thought, 1859 to Present |
|----------|--|

|          |  |
|----------|--|
| PSC 3339 | Law and Religion in the United States <sup>1</sup> |
|----------|--|

|          |   |
|----------|---|
| PSC 3363 | Western Political Thought: Classical and Medieval |
|----------|---|

|          |                                   |
|----------|-----------------------------------|
| PSC 3373 | Western Political Thought: Modern |
|----------|-----------------------------------|

|          |   |
|----------|---|
| PSC 4383 | Contemporary Political Thought <sup>1</sup> |
|----------|---|

|          |                         |
|----------|-------------------------|
| PSY 4327 | Theories of Personality |
|----------|-------------------------|

|          |               |
|----------|---------------|
| PSY 4329 | Consciousness |
|----------|---------------|

|          |                                     |
|----------|-------------------------------------|
| PSY 4339 | Psychology of Religion <sup>2</sup> |
|----------|-------------------------------------|

|          |                       |
|----------|-----------------------|
| PSY 4395 | History of Psychology |
|----------|-----------------------|

|          |                           |
|----------|---------------------------|
| REL 4346 | Topics in Asian Religions |
|----------|---------------------------|

|          |                                      |
|----------|--------------------------------------|
| REL 4390 | Contemporary Christian Ethics Theory |
|----------|--------------------------------------|

|          |                      |
|----------|----------------------|
| REL 4393 | Environmental Ethics |
|----------|----------------------|

|          |                        |
|----------|------------------------|
| REL 4395 | Bioethics <sup>2</sup> |
|----------|------------------------|

|          |                   |
|----------|-------------------|
| SOC 4309 | Social Psychology |
|----------|-------------------|

|          |                               |
|----------|-------------------------------|
| SOC 4335 | Sociology of Law <sup>1</sup> |
|----------|-------------------------------|

|          |                                    |
|----------|------------------------------------|
| SOC 4353 | Sociology of Medicine <sup>2</sup> |
|----------|------------------------------------|

|          |               |
|----------|---------------|
| SOC 4391 | Social Theory |
|----------|---------------|

### Additional Requirements

A grade of "C-" or better in all courses applied to the major.

Students completing World Cultures I, II, III, and IV in the BIC receive 6 hours credit toward the philosophy major, by petition.

**Total Hours** **30**

<sup>1</sup> Recommended for students with a pre-law concentration  
<sup>2</sup> Recommended for students with a pre-health concentration

## Philosophy (General Philosophy Concentration), B.A.

### Requirements for a Concentration in General Philosophy

| Code   | Title | Hours     |
|--|-------|-----------|
| <b>Concentration Requirements</b>  |       |           |
| Fifteen semester hours of PHI courses, six of which must be at the 4000-level <sup>1</sup> |       | 15        |
| <b>Total Hours</b>   |       | <b>15</b> |

<sup>1</sup> Other than PHI 4345 Intermediate Logic

## Philosophy (Pre-Law Concentration), B.A.

### Requirements for a Concentration in Pre-Law

| Code  | Title                                   | Hours     |
|---|---|-----------|
| <b>Concentration Requirements</b>   |   |           |
| Fifteen semester hours including the following:   |   |           |
| Nine semester hours from the following courses in legal, moral, and political philosophy: |   | 9         |
| PHI 3318  | Philosophy and Constitutional Issues    |           |
| PHI 4318  | Philosophy of Law                       |           |
| PHI 4360  | Contemporary Ethical Theory             |           |
| PHI 4361  | Social Philosophy                       |           |
| PHI 4385  | Religious Ethics in a Liberal Democracy |           |
| Six semester hours of PHI courses <sup>1</sup>  |   | 6         |
| <b>Total Hours</b>  |   | <b>15</b> |

<sup>1</sup> Other than PHI 4345 Intermediate Logic

## Philosophy (Philosophy and Medicine Concentration), B.A.

### Requirements for a Concentration in Philosophy and Medicine

| Code  | Title | Hours |
|---|-------|-------|
| <b>Concentration Requirements</b>   |       |       |
| Fifteen semester hours including the following:                           |       |       |
| Nine semester hours from the following courses in philosophy of medicine: |       | 9     |

|  |   |           |
|--|---|-----------|
| PHI 1309                                       | Introduction to Medical Ethics                      |           |
| PHI 4300                                       | History of Medicine                                 |           |
| PHI 4310                                       | Philosophy of Science                               |           |
| PHI 4325                                       | Literary and Philosophical Perspectives on Medicine |           |
| PHI 4363                                       | Philosophy and Medicine                             |           |
| Six semester hours of PHI courses <sup>1</sup> |   | 6         |
| <b>Total Hours</b>                             |   | <b>15</b> |

<sup>1</sup> Other than PHI 4345 Intermediate Logic

## Philosophy (Departmental Honors Concentration), B.A.

### Requirements for a Concentration in Departmental Honors

| Code   | Title | Hours     |
|--|-------|-----------|
| <b>Concentration Requirements</b>  |       |           |
| Fifteen semester hours of PHI courses, nine of which must be at the 4000-level <sup>1</sup>    |       | 15        |
| Must be admitted to the Honors Program and complete upper-division Honors Program requirements |       |           |
| <b>Total Hours</b>   |       | <b>15</b> |

<sup>1</sup> Other than PHI 4345 Intermediate Logic

## Philosophy - Secondary Major

### Requirements for a Secondary Major in Philosophy

| Code   | Title   | Hours     |
|--|---|-----------|
| Twenty-seven semester hours, fifteen of which must be at the 3000-4000 level, including the following:                                     |   |           |
| <b>Required Courses</b>  |   |           |
| PHI 3310   | History of Philosophy: Classical Philosophy       | 3         |
| PHI 3312   | History of Philosophy: Modern European Philosophy | 3         |
| PHI 1306   | Logic   | 3         |
| or PHI 1307  | Critical Thinking                                 |           |
| or PHI 4345  | Intermediate Logic                                |           |
| Eighteen semester hours of PHI courses, six of which must be at the 4000-level <sup>1</sup>  |   | 18        |
| <b>Additional Requirements</b>   |   |           |
| A grade of "C-" or better in all courses applied to the major.   |   |           |
| Students completing World Cultures I, II, III, and IV in Baylor Interdisciplinary Core receive six semester hours credit toward the major. |   |           |
| <b>Total Hours</b>   |   | <b>27</b> |

<sup>1</sup> Excluding PHI 4345 Intermediate Logic

# Philosophy Minor

## Requirements for a Minor in Philosophy

| Code   | Title              | Hours     |
|--|--------------------|-----------|
| Eighteen semester hours including the following:   |                    |           |
| <b>Required Courses</b>  |                    |           |
| PHI 1306   | Logic              | 3         |
| or PHI 1307  | Critical Thinking  |           |
| or PHI 4345  | Intermediate Logic |           |
| Fifteen additional hours of PHI courses, nine of which must be at the 3000-4000 level  |                    | 15        |
| <b>Additional Requirements</b>   |                    |           |
| A grade of "C-" or better in all philosophy courses used for the minor.  |                    |           |
| Students completing World Cultures I, II, III, and IV in the Baylor Interdisciplinary Core curriculum receive six semester hours credit toward the minor, by petition. |                    |           |
| <b>Total Hours</b>   |                    | <b>18</b> |

## Physics

The Department of Physics offers majors and minors in physics, astronomy, and astrophysics to prepare students for a broad range of careers in these fields and related disciplines.

The Bachelor of Arts degree with a major in physics, astronomy, or astrophysics provides a traditional liberal arts education with a solid set of core courses in the subject area. The Bachelor of Science degree with a major in physics, astronomy, or astrophysics provides a comprehensive curriculum that prepares students for graduate studies or careers in technology, medicine, education, law, finance, industry, and other professions. Interdisciplinary studies are encouraged, and special concentrations are available for physics majors interested in computational physics or pre-health care.

All majors and minors are strongly encouraged to attend Physics Colloquium and become involved in undergraduate research. A highly personalized education is provided by professors who are dedicated to undergraduate education with small classes and state-of-the-art laboratories.

Any student pursuing a major or secondary major within the Department of Physics (BA or BS, all concentrations) must complete PHY 1420 General Physics I with a grade of "B-" or better in order to enroll in PHY 1430 General Physics II. A student who fails to make a "B-" or better in the course, yet wishes to continue as a major within the Department of Physics, must petition to repeat PHY 1420 General Physics I. Any student pursuing a major or secondary major within the Department of Physics (BA or BS, all concentrations) must complete PHY 1430 General Physics II with a grade of "C" (2.0) or better to enroll in PHY 2350 Modern Physics. A student who fails to make a "C" or better in the course (where "C-" is insufficient), yet wishes to continue as a major within the Department of Physics, must petition to repeat PHY 1430 General Physics II.

Any student pursuing Astrophysics or Astronomy as a major or secondary major must complete PHY 2455 with a grade of "C" (2.0) or better. A student who fails to make a "C" or better in the course (where "C-

is insufficient) yet wishes to continue as a major within the Department of Physics, must petition to repeat PHY 2455.

## Physics

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- Physics (Computational Physics), B.S. (p. 208)
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- Physics Minor (p. 210)

## Astronomy

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- Astronomy Minor (p. 211)

## Astrophysics

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- Astrophysics - Secondary Major (p. 212)
- Astrophysics Minor (p. 212)

## Physics (PHY)

### PHY 1025 Finding Success in Physics (0)

New Student Experience (NSE) course that introduces students in physics, astronomy or astrophysics to the benefits and challenges of studying these subjects. Includes an introduction to research areas and strategies for problem solving in physics.

### PHY 1404 Light, Vision and Optics (4)

A conceptual course on the physics of light, optics, photography, vision, color, and other visual phenomena.

### PHY 1405 Everyday Physics (4)

Concepts and historical development of physics; selected topics as they apply to physics encountered in everyday life. This course is not intended for students pursuing a science major. (Does not apply toward a major in physics.)

### PHY 1407 Sound and Acoustics (4)

Physics of sound and sound production, including the nature of sources of sounds. Introduction to the primary instrumentation used in recording, reproduction, and analysis of the physical properties of sound, and a study of the principal physical properties of architectural acoustics.

### PHY 1408 General Physics for Natural and Behavioral Sciences I (4)

Pre-requisite(s): MTH 1320, 1321 or 1322, or equivalent or concurrent enrollment in MTH 1321 or 1322

The fundamentals of mechanics, heat, and sound, with emphasis on physical concepts, problem solving, notation, and units. (PHY 1408 and 1409 or PHY 1420 and 1430 satisfy premedical, pre dental, and liberal arts requirements.)

### PHY 1409 General Physics for Natural and Behavioral Sciences II (4)

Pre-requisite(s): PHY 1408 or 1420

The fundamentals of electricity, magnetism, light, and modern physics, with emphasis on physical concepts, problem solving, notation, and units. (PHY 1408 and 1409 or PHY 1420 and 1430 satisfy premedical, pre dental, and liberal arts requirements.)

**PHY 1420 General Physics I (4)**

Pre-requisite(s): MTH 1321 or concurrent enrollment

Principles and applications of mechanics, wave motion, sound, and heat with emphasis on fundamental concepts, problem solving, notation, and units.

**PHY 1430 General Physics II (4)**

Pre-requisite(s): PHY 1408 or 1420; and MTH 1322 or concurrent enrollment

Principles and applications of electricity, magnetism, light, and modern physics, with emphasis on fundamental concepts, problem solving, notation, and units.

**PHY 1455 Descriptive Astronomy (4)**

The fundamentals of astronomy and its relationship to human development. Emphasis on the solar system, planets, asteroids, meteoroids, and comets.

**PHY 1V95 Independent Study in Physics (1-3)**

Pre-requisite(s): Consent of instructor

Independent study under the supervision of a faculty member in the department. May be repeated once for credit up to a maximum of six semester hours.

**PHY 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHY 2135 Basic Electronics Laboratory (1)**

Pre-requisite(s): PHY 1430

Principles and applications of electrical circuits and electronics for physical science majors.

**PHY 2190 Introduction to Research in Physics (1)**

Pre-requisite(s): PHY 2350

Preparation for undergraduate research. Includes an introduction to research techniques, identification of a research supervisor, and completion of a research prospectus.

**PHY 2350 Modern Physics (3)**

Pre-requisite(s): PHY 1430 and MTH 1322

Special relativity, introduction to quantum mechanics, atomic and molecular structure, nuclear and particle physics.

**PHY 2360 Mathematical and Computational Physics (3)**

Co-requisite(s):

Pre-requisite(s): PHY 1430 and MTH 2321; and MTH 2311 or concurrent enrollment

Topics normally include matrices and vector calculus, coordinate transformations, numerical solutions using Matlab and Mathematica, chaos and fractals, special functions defined by solutions to differential equations.

**PHY 2455 Foundations of Astronomy (4)**

Pre-requisite(s): PHY 1420 and MTH 1321

Physical and mathematical foundations of modern astronomy emphasizing techniques, history, and development of our current picture of the universe including galaxies, stars, planet, planetoids, and comets.

**PHY 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHY 3175 Intermediate Physics Laboratory I (1)**

Pre-requisite(s): PHY 2350 and 2360

Study of experimental planning, data analysis, and elementary error analysis. Experiments include the Millikan oil-drop experiment, the determination of the Faraday constant, bubble chamber photographic measurements, the study of GM counters, and radioactive half-life determination.

**PHY 3176 Intermediate Physics Laboratory II (1)**

Pre-requisite(s): PHY 3175

Continuation of PHY 3175 with emphasis on nuclear counting and measurements.

**PHY 3305 History of Invention and Technology (3)**

History of invention and technology including biographical study of scientists. Does not apply toward a major or minor in physics, astronomy or astrophysics.

**PHY 3320 Intermediate Classical Mechanics (3)**

Pre-requisite(s): PHY 2360 and MTH 3325; or consent of instructor

Topics normally include vectors, linear transformations, Newtonian mechanics for a single particle, linear and nonlinear oscillations, Euler's equation, Lagrangian and Hamiltonian dynamics, central forces, and orbital motion.

**PHY 3330 Intermediate Electricity and Magnetism (3)**

Pre-requisite(s): PHY 2360; and MTH 3326 or concurrent enrollment; or consent of instructor

Topics normally include electrostatics, Laplace's equation, method of images, multipole expansion, magnetostatics, and Maxwell's electromagnetic field equations.

**PHY 3350 Topics in Astronomy (3)**

Pre-requisite(s): PHY 2455; and MTH 1322 or concurrent enrollment

Topics in contemporary research in astronomy and astrophysics.

**PHY 3372 Introductory Quantum Mechanics I (3)**

Pre-requisite(s): PHY 2350, 2360 and MTH 2311; and MTH 3326 or concurrent enrollment; or consent of instructor

Postulates of quantum mechanics, operators in Hilbert space, superposition principle and compatible observables, time development, conservation theorems, one-dimensional bound and unbound state problems, WKB approximation, and theory of conduction in solids.

**PHY 3373 Introductory Quantum Mechanics II (3)**

Pre-requisite(s): PHY 3372 and MTH 3326

Problems in three dimensions, perturbation theory, unitary transformations, quantum statistics, atomic spectroscopy, and introductory solid state, nuclear, and elementary particle physics.

**PHY 3455 Observational Astronomy (4)**

Pre-requisite(s): PHY 2455

Fundamentals of practical sky observing including visual, photographic, and photometric techniques using local telescopes and CCD cameras. Introduction to methods for finding and identifying celestial objects, making observations, and operating an observatory, telescopes, and related equipment.

**PHY 3V95 Undergraduate Research in Physics (1-3)**

Pre-requisite(s): Consent of instructor

Research conducted under the supervision of a faculty member in the department. May be repeated up to a maximum of six semester hours.

**PHY 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHY 4001 Exit Exam (0)**

Pre-requisite(s): Senior standing

An exit examination, designated by the department, is required of all physics majors. This examination will be chosen by the department from the GRE Subject Test or another similar examination.

**PHY 4150 Instructional Observing (1)**

Pre-requisite(s): PHY 3455

Teaching astronomy techniques and assisting on observing nights for the PHY 3455 class and campus outreach events.

**PHY 4190 Dissemination of Research Results in Physics (1)**

Pre-requisite(s): Departmental approval required

Culmination of an undergraduate research project including presentation of research results.

**PHY 4322 Advanced Topics in Classical Physics (3)**

Pre-requisite(s): PHY 3320, 3330, and MTH 3326

Continuation of PHY 3320 and 3330. Topics normally include: dynamics of systems of particles: rigid-body motion; coupled oscillations; the wave equation in one dimension; gauge transformations; electromagnetic waves in conductors and nonconductors; dispersion; multiple radiation; Linaard-Wiechert potentials; relativistic electrodynamics.

**PHY 4340 Statistical and Thermal Physics (3)**

Pre-requisite(s): PHY 3372 and MTH 3326

Topics normally include: basic probability concepts; macroscopic thermodynamics; statistical thermodynamics; kinetic theory; quantum statistics.

**PHY 4350 Introduction to Stellar Structure and Evolution (3)**

Pre-requisite(s): PHY 2455; and MTH 3326 or concurrent enrollment

A quantitative study of the physics of stars and stellar systems. Topics include observed properties of stars and the physics underlying those properties, radiation and stellar spectra, the interior structure of stars, the life cycles of stars, white dwarfs, neutron stars, and black holes.

**PHY 4351 Introduction to Modern Cosmology (3)**

Pre-requisite(s): PHY 4350 and MTH 3326

An introduction to modern cosmology, including observational cosmology, Newtonian gravity, relativistic cosmological models, thermal history of the universe, dark matter and dark energy, inflationary models, the origin of the light elements, structures in the universe, and the cosmic microwave background radiation. The principles of Einstein's general theory of relativity and observations in experiments will also be covered.

**PHY 4360 Computer Models in Physics (3)**

Pre-requisite(s): PHY 3320, 3372, and CSI 3324

Application of contemporary computer methods to the solution of physics and engineering problems. Theory and applications of finite difference equations. Deterministic, discrete, and continuous models. Computer graphics. Waves in classical and quantum physics. Monte Carlo calculations, electric circuits, partial differential equations in physics and engineering.

**PHY 4372 Introductory Solid State Physics (3)**

Pre-requisite(s): PHY 3373

Topics normally include: crystal structure; reciprocal space; elastic and thermal properties; electronic structure; the Fermi surface; elementary semiconductor physics; dielectric and magnetic properties of solids.

**PHY 4373 Introductory Nuclear and Particle Physics (3)**

Pre-requisite(s): PHY 3373

Topics normally include: nuclear structure and models; angular momentum and isospin; conservation laws and discrete symmetries; electromagnetic and weak interactions; quark model; nuclear and particle astrophysics.

**PHY 4374 Introduction to Relativistic Quantum Mechanics (3)**

Pre-requisite(s): PHY 3373

Dirac's equation, its covariance properties, its solutions; Foldy-Wouthuysen transformation and exact results; propagator theory; applications in various areas of physics.

**PHY 4V80 Special Topics in Physics (1-3)**

Pre-requisite(s): Upper-level standing and consent of instructor

Advanced topics in physics, astronomy, or astrophysics. May be repeated once for credit with a different topic up to a total of six semester hours.

**PHY 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Physics, B.A.

### Requirements for a Major in Physics

| Code  | Title  | Hours     |
|---|--|-----------|
| Thirty-two semester hours including:          |  |           |
| <b>Required Courses</b>                       |  |           |
| PHY 1420                                      | General Physics I                                  | 4         |
| PHY 1430                                      | General Physics II                                 | 4         |
| PHY 2135                                      | Basic Electronics Laboratory                       | 1         |
| PHY 2350                                      | Modern Physics                                     | 3         |
| PHY 2360                                      | Mathematical and Computational Physics             | 3         |
| PHY 3175                                      | Intermediate Physics Laboratory I                  | 1         |
| PHY 3176                                      | Intermediate Physics Laboratory II                 | 1         |
| PHY 3320                                      | Intermediate Classical Mechanics                   | 3         |
| PHY 3330                                      | Intermediate Electricity and Magnetism             | 3         |
| PHY 3372                                      | Introductory Quantum Mechanics I                   | 3         |
| PHY 4001                                      | Exit Exam  | 0         |
| Select six semester hours from the following: |  | 6         |
| PHY 3373                                      | Introductory Quantum Mechanics II                  |           |
| PHY 4322                                      | Advanced Topics in Classical Physics               |           |
| PHY 4340                                      | Statistical and Thermal Physics                    |           |
| PHY 4360                                      | Computer Models in Physics                         |           |
| PHY 4372                                      | Introductory Solid State Physics                   |           |
| PHY 4373                                      | Introductory Nuclear and Particle Physics          |           |
| PHY 4374                                      | Introduction to Relativistic Quantum Mechanics     |           |
| <b>Subtotal</b>                               |  | <b>32</b> |
| <b>Required Courses in Other Fields</b>       |  |           |
| CHE 1301                                      | Basic Principles of Modern Chemistry I             | 3         |
| CSI 1430                                      | Introduction to Computer Science I with Laboratory | 4         |
| MTH 1321                                      | Calculus I   | 3         |
| MTH 1322                                      | Calculus II  | 3         |
| MTH 2311                                      | Linear Algebra                                     | 3         |
| MTH 2321                                      | Calculus III                                       | 3         |
| MTH 3325                                      | Ordinary Differential Equations                    | 3         |
| MTH 3326                                      | Partial Differential Equations                     | 3         |
| <b>Total Hours</b>                            |  | <b>57</b> |



## Physics, B.S.

### Requirements for a Major in Physics

| Code   | Title  | Hours     |
|--|--|-----------|
| Forty-three semester hours including:  |  |           |
| <b>Required Courses</b>  |  |           |
| PHY 1420   | General Physics I                                  | 4         |
| PHY 1430   | General Physics II                                 | 4         |
| PHY 2135   | Basic Electronics Laboratory                       | 1         |
| PHY 2190   | Introduction to Research in Physics                | 1         |
| PHY 2350   | Modern Physics                                     | 3         |
| PHY 2360   | Mathematical and Computational Physics             | 3         |
| PHY 3175   | Intermediate Physics Laboratory I                  | 1         |
| PHY 3176   | Intermediate Physics Laboratory II                 | 1         |
| PHY 3320   | Intermediate Classical Mechanics                   | 3         |
| PHY 3330   | Intermediate Electricity and Magnetism             | 3         |
| PHY 3372   | Introductory Quantum Mechanics I                   | 3         |
| PHY 3373   | Introductory Quantum Mechanics II                  | 3         |
| PHY 4190   | Dissemination of Research Results in Physics       | 1         |
| PHY 4322   | Advanced Topics in Classical Physics               | 3         |
| PHY 4340   | Statistical and Thermal Physics                    | 3         |
| PHY 4001   | Exit Exam  | 0         |
| Select six semester hours from the following:  |  | 6         |
| PHY 4372   | Introductory Solid State Physics                   |           |
| PHY 4373   | Introductory Nuclear and Particle Physics          |           |
| PHY 4374   | Introduction to Relativistic Quantum Mechanics     |           |
| <b>Subtotal</b>  |  | <b>43</b> |
| <b>Required Courses in Other Fields</b>  |  |           |
| CHE 1301   | Basic Principles of Modern Chemistry I             | 3         |
| CSI 1430   | Introduction to Computer Science I with Laboratory | 4         |
| MTH 1321   | Calculus I   | 3         |
| MTH 1322   | Calculus II  | 3         |
| MTH 2311   | Linear Algebra                                     | 3         |
| MTH 2321   | Calculus III                                       | 3         |
| MTH 3325   | Ordinary Differential Equations                    | 3         |
| MTH 3326   | Partial Differential Equations                     | 3         |
| Nine semester hours from the following: BIO, CHE, CSI, GEO, MTH, or STA. <sup>1, 2</sup> |  | 9         |
| <b>Total Hours</b>   |  | <b>77</b> |

<sup>1</sup> Excluding STA 2381 Introductory Statistical Methods<sup>2</sup> Courses selected must apply to a major in these fields.

## Physics (Computational Physics), B.S.

### Requirements for a Major in Physics (Computational Physics)

| Code  | Title   | Hours     |
|---|---|-----------|
| Thirty-six semester hours including:  |   |           |
| <b>Required Courses</b>   |   |           |
| PHY 1420  | General Physics I                                   | 4         |
| PHY 1430  | General Physics II                                  | 4         |
| PHY 2135  | Basic Electronics Laboratory                        | 1         |
| PHY 2190  | Introduction to Research in Physics                 | 1         |
| PHY 2350  | Modern Physics                                      | 3         |
| PHY 2360  | Mathematical and Computational Physics              | 3         |
| PHY 3175  | Intermediate Physics Laboratory I                   | 1         |
| PHY 3320  | Intermediate Classical Mechanics                    | 3         |
| PHY 3330  | Intermediate Electricity and Magnetism              | 3         |
| PHY 3372  | Introductory Quantum Mechanics I                    | 3         |
| PHY 3373  | Introductory Quantum Mechanics II                   | 3         |
| PHY 4190  | Dissemination of Research Results in Physics        | 1         |
| PHY 4340  | Statistical and Thermal Physics                     | 3         |
| PHY 4360  | Computer Models in Physics                          | 3         |
| PHY 4001  | Exit Exam   | 0         |
| <b>Subtotal</b>   |   | <b>36</b> |
| <b>Required Courses in Other Fields</b>   |   |           |
| CSI 1430  | Introduction to Computer Science I with Laboratory  | 4         |
| CSI 1440  | Introduction to Computer Science II with Laboratory | 4         |
| CSI 2334  | Introduction to Computer Systems                    | 3         |
| CSI 2350  | Discrete Structures                                 | 3         |
| CSI 3324  | Numerical Methods                                   | 3         |
| MTH 1321  | Calculus I  | 3         |
| MTH 1322  | Calculus II   | 3         |
| MTH 2311  | Linear Algebra                                      | 3         |
| MTH 2321  | Calculus III  | 3         |
| MTH 3325  | Ordinary Differential Equations                     | 3         |
| MTH 3326  | Partial Differential Equations                      | 3         |
| Nine semester hours of additional PHY or CSI courses at the 3000-4000 level <sup>1, 2</sup> |   | 9         |
| <b>Total Hours</b>  |   | <b>80</b> |

<sup>1</sup> Excluding STA 2381 Introductory Statistical Methods<sup>2</sup> Courses selected must apply to a major in these fields.

## Physics (Prehealth Care), B.S.

This concentration is designed for students with an interest in medicine, dentistry, or other health related professions, and it satisfies the medical/dental preprofessional program requirements.

## Requirements for a Major in Physics (Prehealth Care)

| Code  | Title   | Hours     |
|---|---|-----------|
| Thirty-three semester hours including:      |   |           |
| <b>Required Courses</b>                     |   |           |
| PHY 1420                                    | General Physics I   | 4         |
| PHY 1430                                    | General Physics II  | 4         |
| PHY 2135                                    | Basic Electronics Laboratory  | 1         |
| PHY 2190                                    | Introduction to Research in Physics   | 1         |
| PHY 2350                                    | Modern Physics  | 3         |
| PHY 2360                                    | Mathematical and Computational Physics  | 3         |
| PHY 3175                                    | Intermediate Physics Laboratory I   | 1         |
| PHY 3320                                    | Intermediate Classical Mechanics  | 3         |
| PHY 3330                                    | Intermediate Electricity and Magnetism  | 3         |
| PHY 3372                                    | Introductory Quantum Mechanics I  | 3         |
| PHY 3373                                    | Introductory Quantum Mechanics II   | 3         |
| PHY 4190                                    | Dissemination of Research Results in Physics  | 1         |
| PHY 4340                                    | Statistical and Thermal Physics   | 3         |
| PHY 4001                                    | Exit Exam   | 0         |
| <b>Subtotal</b>                             |   | <b>33</b> |
| <b>Required Courses in Other Fields</b>     |   |           |
| BIO 1305 & BIO 1105                         | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            | 4         |
| BIO 1306 & BIO 1106                         | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory | 4         |
| Six semester hours of 3000-4000 BIO courses |   | 6         |
| CHE 1301 & CHE 1101                         | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             | 4         |
| CHE 1302 & CHE 1102                         | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           | 4         |
| CHE 3331                                    | Organic Chemistry I   | 3         |
| CHE 3332                                    | Organic Chemistry II  | 3         |
| CHE 3238                                    | Organic Chemistry Laboratory  | 2         |
| CSI 1430                                    | Introduction to Computer Science I with Laboratory                                    | 4         |
| MTH 1321                                    | Calculus I  | 3         |
| MTH 1322                                    | Calculus II   | 3         |
| MTH 2311                                    | Linear Algebra  | 3         |
| MTH 2321                                    | Calculus III  | 3         |
| MTH 3325                                    | Ordinary Differential Equations   | 3         |
| MTH 3326                                    | Partial Differential Equations  | 3         |
| <b>Total Hours</b>                          |   | <b>85</b> |

## Physics (Physics Education), B.S. Requirements for a Major in Physics (Physics Education)

| Code   | Title   | Hours        |
|--|---|--------------|
| Minimum thirty-three semester hours including:                     |   |              |
| <b>Required Courses</b>  |   |              |
| PHY 1420   | General Physics I   | 4            |
| PHY 1430   | General Physics II  | 4            |
| PHY 2135   | Basic Electronics Laboratory  | 1            |
| PHY 2190   | Introduction to Research in Physics                                       | 1            |
| PHY 2350   | Modern Physics  | 3            |
| PHY 2360   | Mathematical and Computational Physics                                    | 3            |
| PHY 3175   | Intermediate Physics Laboratory I   | 1            |
| PHY 3320   | Intermediate Classical Mechanics  | 3            |
| PHY 3330   | Intermediate Electricity and Magnetism                                    | 3            |
| PHY 3372   | Introductory Quantum Mechanics I  | 3            |
| PHY 4190   | Dissemination of Research Results in Physics                              | 1            |
| PHY 4340   | Statistical and Thermal Physics   | 3            |
| PHY 4001   | Exit Exam   | 0            |
| Select one of the following:                                       |   | 3-5          |
| PHY 2455   | Foundations of Astronomy (and one additional hour at the 3000-4000 level) |              |
| Three semester hour of 3000-4000 PHY courses                       |   |              |
| <b>Subtotal</b>  |   | <b>33-35</b> |
| <b>Required Courses in Other Fields</b>                            |   |              |
| MTH 1321   | Calculus I  | 3            |
| MTH 1322   | Calculus II   | 3            |
| MTH 2311   | Linear Algebra  | 3            |
| MTH 2321   | Calculus III  | 3            |
| MTH 3325   | Ordinary Differential Equations   | 3            |
| MTH 3326   | Partial Differential Equations  | 3            |
| Completion of the Minor in Physics Education (School of Education) |   |              |
| <b>Total Hours</b>   |   | <b>51-53</b> |

## Physics - Secondary Major Requirements for a Secondary Major in Physics

| Code   | Title                                  | Hours |
|--|--|-------|
| Thirty-six semester hours including the following: |  |       |
| <b>Required Courses</b>                            |  |       |
| PHY 1420   | General Physics I                      | 4     |
| PHY 1430   | General Physics II                     | 4     |
| PHY 2135   | Basic Electronics Laboratory           | 1     |
| PHY 2350   | Modern Physics                         | 3     |
| PHY 2360   | Mathematical and Computational Physics | 3     |
| PHY 3320   | Intermediate Classical Mechanics       | 3     |
| PHY 3330   | Intermediate Electricity and Magnetism | 3     |
| PHY 3372   | Introductory Quantum Mechanics I       | 3     |

|   |                                      |           |
|---|--------------------------------------|-----------|
| PHY 3373  | Introductory Quantum Mechanics II    | 3         |
| PHY 4322  | Advanced Topics in Classical Physics | 3         |
| PHY 4340  | Statistical and Thermal Physics      | 3         |
| PHY 4001  | Exit Exam                            | 0         |
| Three additional semester hours of 4000-level PHY courses |                                      | 3         |
| <b>Subtotal</b>   |                                      | <b>36</b> |
| <b>Required Courses in Other Fields</b>                   |                                      |           |
| MTH 1321  | Calculus I                           | 3         |
| MTH 1322  | Calculus II                          | 3         |
| MTH 2311  | Linear Algebra                       | 3         |
| MTH 2321  | Calculus III                         | 3         |
| MTH 3325  | Ordinary Differential Equations      | 3         |
| MTH 3326  | Partial Differential Equations       | 3         |
| <b>Total Hours</b>  |                                      | <b>54</b> |

## Physics Minor

### Requirements for a Minor in Physics

| Code   | Title              | Hours     |
|--|--------------------|-----------|
| Twenty semester hours including the following:     |                    |           |
| <b>Required Courses</b>                            |                    |           |
| PHY 1420   | General Physics I  | 4         |
| PHY 1430   | General Physics II | 4         |
| PHY 2350   | Modern Physics     | 3         |
| Nine semester hours of 3000-4000 level PHY courses |                    | 9         |
| <b>Total Hours</b>                                 |                    | <b>20</b> |

## Astronomy, B.A.

### Requirements for a Major in Astronomy

| Code                                    | Title  | Hours     |
|---|--|-----------|
| Thirty-five semester hours including:   |  |           |
| <b>Required Courses</b>                 |  |           |
| PHY 1420                                | General Physics I                                  | 4         |
| PHY 1430                                | General Physics II                                 | 4         |
| PHY 2350                                | Modern Physics                                     | 3         |
| PHY 2360                                | Mathematical and Computational Physics             | 3         |
| PHY 2455                                | Foundations of Astronomy                           | 4         |
| PHY 3320                                | Intermediate Classical Mechanics                   | 3         |
| PHY 3350                                | Topics in Astronomy                                | 3         |
| PHY 3455                                | Observational Astronomy                            | 4         |
| PHY 4150                                | Instructional Observing                            | 1         |
| PHY 4350                                | Introduction to Stellar Structure and Evolution    | 3         |
| PHY 4351                                | Introduction to Modern Cosmology                   | 3         |
| PHY 4001                                | Exit Exam  | 0         |
| <b>Subtotal</b>                         |  | <b>35</b> |
| <b>Required Courses in Other Fields</b> |  |           |
| CHE 1301                                | Basic Principles of Modern Chemistry I             | 3         |
| CSI 1430                                | Introduction to Computer Science I with Laboratory | 4         |
| MTH 1321                                | Calculus I   | 3         |

|                    |                                 |           |
|--------------------|---------------------------------|-----------|
| MTH 1322           | Calculus II                     | 3         |
| MTH 2311           | Linear Algebra                  | 3         |
| MTH 2321           | Calculus III                    | 3         |
| MTH 3325           | Ordinary Differential Equations | 3         |
| MTH 3326           | Partial Differential Equations  | 3         |
| <b>Total Hours</b> |                                 | <b>60</b> |

## Astronomy, B.S.

### Requirements for a Major in Astronomy

| Code   | Title  | Hours     |
|--|--|-----------|
| Forty-three semester hours including:  |  |           |
| <b>Required Courses</b>  |  |           |
| PHY 1420   | General Physics I                                  | 4         |
| PHY 1430   | General Physics II                                 | 4         |
| PHY 2190   | Introduction to Research in Physics                | 1         |
| PHY 2350   | Modern Physics                                     | 3         |
| PHY 2360   | Mathematical and Computational Physics             | 3         |
| PHY 2455   | Foundations of Astronomy                           | 4         |
| PHY 3320   | Intermediate Classical Mechanics                   | 3         |
| PHY 3350   | Topics in Astronomy                                | 3         |
| PHY 3455   | Observational Astronomy                            | 4         |
| PHY 4150   | Instructional Observing                            | 1         |
| PHY 4190   | Dissemination of Research Results in Physics       | 1         |
| PHY 4350   | Introduction to Stellar Structure and Evolution    | 3         |
| PHY 4351   | Introduction to Modern Cosmology                   | 3         |
| PHY 4001   | Exit Exam  | 0         |
| Six semester hours of 3000-4000 PHY courses <sup>1</sup>                                 |  | 6         |
| <b>Subtotal</b>  |  | <b>43</b> |
| <b>Required Courses in Other Fields</b>  |  |           |
| CHE 1301   | Basic Principles of Modern Chemistry I             | 3         |
| CSI 1430   | Introduction to Computer Science I with Laboratory | 4         |
| MTH 1321   | Calculus I   | 3         |
| MTH 1322   | Calculus II  | 3         |
| MTH 2311   | Linear Algebra                                     | 3         |
| MTH 2321   | Calculus III                                       | 3         |
| MTH 3325   | Ordinary Differential Equations                    | 3         |
| MTH 3326   | Partial Differential Equations                     | 3         |
| Nine semester hours from the following: BIO, CHE, CSI, GEO, MTH, or STA. <sup>2, 3</sup> |  | 9         |
| <b>Total Hours</b>   |  | <b>77</b> |

<sup>1</sup> For students wishing to pursue graduate studies in astronomy, PHY 3330 Intermediate Electricity and Magnetism and PHY 3372 Introductory Quantum Mechanics I are recommended. PHY 3373 Introductory Quantum Mechanics II is also recommended taken as an additional elective course.

<sup>2</sup> Excluding STA 2381 Introductory Statistical Methods

<sup>3</sup> Courses selected must apply to a major in these fields.

## Astronomy - Secondary Major

### Requirements for a Secondary Major in Astronomy

| Code                                    | Title   | Hours     |
|---|---|-----------|
| Thirty-five semester hours including:   |   |           |
| <b>Required Courses</b>                 |   |           |
| PHY 1420                                | General Physics I                               | 4         |
| PHY 1430                                | General Physics II                              | 4         |
| PHY 2350                                | Modern Physics                                  | 3         |
| PHY 2360                                | Mathematical and Computational Physics          | 3         |
| PHY 2455                                | Foundations of Astronomy                        | 4         |
| PHY 3320                                | Intermediate Classical Mechanics                | 3         |
| PHY 3350                                | Topics in Astronomy                             | 3         |
| PHY 3455                                | Observational Astronomy                         | 4         |
| PHY 4150                                | Instructional Observing                         | 1         |
| PHY 4350                                | Introduction to Stellar Structure and Evolution | 3         |
| PHY 4351                                | Introduction to Modern Cosmology                | 3         |
| PHY 4001                                | Exit Exam                                       | 0         |
| <b>Subtotal</b>                         |   | <b>35</b> |
| <b>Required Courses in Other Fields</b> |   |           |
| MTH 1321                                | Calculus I                                      | 3         |
| MTH 1322                                | Calculus II                                     | 3         |
| MTH 2311                                | Linear Algebra                                  | 3         |
| MTH 2321                                | Calculus III                                    | 3         |
| MTH 3325                                | Ordinary Differential Equations                 | 3         |
| MTH 3326                                | Partial Differential Equations                  | 3         |
| <b>Total Hours</b>                      |   | <b>53</b> |

## Astronomy Minor

### Requirements for a Minor in Astronomy

| Code  | Title                    | Hours     |
|---|--------------------------|-----------|
| Twenty-two semester hours including:          |                          |           |
| <b>Required Courses</b>                       |                          |           |
| PHY 1420                                      | General Physics I        | 4         |
| PHY 1430                                      | General Physics II       | 4         |
| PHY 2455                                      | Foundations of Astronomy | 4         |
| PHY 3350                                      | Topics in Astronomy      | 3         |
| PHY 3455                                      | Observational Astronomy  | 4         |
| Three semester hours of 3000-4000 PHY courses |                          | 3         |
| <b>Total Hours</b>                            |                          | <b>22</b> |

## Astrophysics, B.A.

### Requirements for a Major in Astrophysics

| Code                                 | Title              | Hours |
|--------------------------------------|--------------------|-------|
| Thirty-six semester hours including: |                    |       |
| <b>Required Courses</b>              |                    |       |
| PHY 1420                             | General Physics I  | 4     |
| PHY 1430                             | General Physics II | 4     |

|   |  |           |
|---|--|-----------|
| PHY 2350                                | Modern Physics                                     | 3         |
| PHY 2360                                | Mathematical and Computational Physics             | 3         |
| PHY 2455                                | Foundations of Astronomy                           | 4         |
| PHY 3320                                | Intermediate Classical Mechanics                   | 3         |
| PHY 3330                                | Intermediate Electricity and Magnetism             | 3         |
| PHY 3350                                | Topics in Astronomy                                | 3         |
| PHY 3372                                | Introductory Quantum Mechanics I                   | 3         |
| PHY 4350                                | Introduction to Stellar Structure and Evolution    | 3         |
| PHY 4351                                | Introduction to Modern Cosmology                   | 3         |
| PHY 4001                                | Exit Exam  | 0         |
| <b>Subtotal</b>                         |  | <b>36</b> |
| <b>Required Courses in Other Fields</b> |  |           |
| CHE 1301                                | Basic Principles of Modern Chemistry I             | 3         |
| CSI 1430                                | Introduction to Computer Science I with Laboratory | 4         |
| MTH 1321                                | Calculus I   | 3         |
| MTH 1322                                | Calculus II  | 3         |
| MTH 2311                                | Linear Algebra                                     | 3         |
| MTH 2321                                | Calculus III                                       | 3         |
| MTH 3325                                | Ordinary Differential Equations                    | 3         |
| MTH 3326                                | Partial Differential Equations                     | 3         |
| <b>Total Hours</b>                      |  | <b>61</b> |

## Astrophysics, B.S.

### Requirements for a Major in Astrophysics

| Code                                    | Title   | Hours     |
|---|---|-----------|
| Forty-seven semester hours including:   |   |           |
| <b>Required Courses</b>                 |   |           |
| PHY 1420                                | General Physics I                               | 4         |
| PHY 1430                                | General Physics II                              | 4         |
| PHY 2190                                | Introduction to Research in Physics             | 1         |
| PHY 2350                                | Modern Physics                                  | 3         |
| PHY 2360                                | Mathematical and Computational Physics          | 3         |
| PHY 2455                                | Foundations of Astronomy                        | 4         |
| PHY 3320                                | Intermediate Classical Mechanics                | 3         |
| PHY 3330                                | Intermediate Electricity and Magnetism          | 3         |
| PHY 3350                                | Topics in Astronomy                             | 3         |
| PHY 3372                                | Introductory Quantum Mechanics I                | 3         |
| PHY 3373                                | Introductory Quantum Mechanics II               | 3         |
| PHY 4190                                | Dissemination of Research Results in Physics    | 1         |
| PHY 4340                                | Statistical and Thermal Physics                 | 3         |
| PHY 4350                                | Introduction to Stellar Structure and Evolution | 3         |
| PHY 4351                                | Introduction to Modern Cosmology                | 3         |
| PHY 4001                                | Exit Exam                                       | 0         |
| Three semester hours of 4000-level PHY  |   | 3         |
| <b>Subtotal</b>                         |   | <b>47</b> |
| <b>Required Courses in Other Fields</b> |   |           |
| CHE 1301                                | Basic Principles of Modern Chemistry I          | 3         |

|  |  |           |
|--|--|-----------|
| CSI 1430   | Introduction to Computer Science I with Laboratory | 4         |
| MTH 1321   | Calculus I   | 3         |
| MTH 1322   | Calculus II  | 3         |
| MTH 2311   | Linear Algebra                                     | 3         |
| MTH 2321   | Calculus III                                       | 3         |
| MTH 3325   | Ordinary Differential Equations                    | 3         |
| MTH 3326   | Partial Differential Equations                     | 3         |
| Nine semester hours from the following: BIO, CHE, CSI, GEO, MTH, or STA. <sup>1, 2</sup> |  | 9         |
| <b>Total Hours</b>   |  | <b>81</b> |

<sup>1</sup> Excluding STA 2381 Introductory Statistical Methods<sup>2</sup> Courses selected must apply to a major in these fields.

## Astrophysics - Secondary Major

### Requirements for a Secondary Major in Astrophysics

| Code                                    | Title   | Hours     |
|---|---|-----------|
| Thirty-six semester hours including:    |   |           |
| <b>Required Courses</b>                 |   |           |
| PHY 1420                                | General Physics I                               | 4         |
| PHY 1430                                | General Physics II                              | 4         |
| PHY 2350                                | Modern Physics                                  | 3         |
| PHY 2360                                | Mathematical and Computational Physics          | 3         |
| PHY 2455                                | Foundations of Astronomy                        | 4         |
| PHY 3320                                | Intermediate Classical Mechanics                | 3         |
| PHY 3330                                | Intermediate Electricity and Magnetism          | 3         |
| PHY 3350                                | Topics in Astronomy                             | 3         |
| PHY 3372                                | Introductory Quantum Mechanics I                | 3         |
| PHY 4340                                | Statistical and Thermal Physics                 | 3         |
| PHY 4350                                | Introduction to Stellar Structure and Evolution | 3         |
| or PHY 4351                             | Introduction to Modern Cosmology                |           |
| PHY 4001                                | Exit Exam                                       | 0         |
| <b>Subtotal</b>                         |   | <b>36</b> |
| <b>Required Courses in Other Fields</b> |   |           |
| MTH 1321                                | Calculus I                                      | 3         |
| MTH 1322                                | Calculus II                                     | 3         |
| MTH 2311                                | Linear Algebra                                  | 3         |
| MTH 2321                                | Calculus III                                    | 3         |
| MTH 3325                                | Ordinary Differential Equations                 | 3         |
| MTH 3326                                | Partial Differential Equations                  | 3         |
| <b>Total Hours</b>                      |   | <b>54</b> |

## Astrophysics Minor

### Requirements for a Minor in Astrophysics

| Code                                 | Title | Hours |
|--------------------------------------|-------|-------|
| Twenty-one semester hours including: |       |       |
| <b>Required Courses</b>              |       |       |

|   |   |           |
|---|---|-----------|
| PHY 1420  | General Physics I                               | 4         |
| PHY 1430  | General Physics II                              | 4         |
| PHY 2455  | Foundations of Astronomy                        | 4         |
| Select six semester hours from the following:       |   | 6         |
| PHY 3350  | Topics in Astronomy                             |           |
| PHY 4350  | Introduction to Stellar Structure and Evolution |           |
| PHY 4351  | Introduction to Modern Cosmology                |           |
| Three semester hours of 3000-4000 level PHY courses |   | 3         |
| <b>Total Hours</b>                                  |   | <b>21</b> |

## Political Science

The department offers undergraduate majors in both political science and international studies, and we have a pre-law track for undergraduate majors interested in preparing for careers in law. We also offer courses that prepare students for competition in Moot Court, Model United Nations, and Model Organization of American States.

Undergraduates interested in careers in politics, or in simply becoming effective citizens, can take advantage of our Public Service Internship Program, which offers "hands-on experience" in governmental and other public organizations; or our Washington Internship Program, which provides academic credit for a summer in our nation's capital. Finally, the Bob Bullock Scholars Program allows students to work in the Texas Legislature.

The political science department offers students the opportunity to major in either political science or international studies, an interdisciplinary program directed by the department. We also offer minors in political science, international studies, and criminal justice, and a variety of internship opportunities and other programs. Our majors and minors have gone on to become lawyers, journalists, politicians, lobbyists, diplomats, political analysts, and teachers. We place students in top law schools around the country as well as top graduate programs. We offer a well-rounded education in all the major subfields in political science, numerous opportunities for hands-on political experience, and exciting study abroad programs.

- Political Science, B.A. (p. 216)
- Political Science (Pre-Law), B.A. (p. 216)
- Political Science - Secondary Major (p. 217)
- Political Science Minor (p. 217)
- International Studies, B.A. (p. 217)
- International Studies - Secondary Major (p. 221)
- International Studies Minor (p. 221)
- Criminal Justice Minor (p. 221)

## Political Science (PSC)

### PSC 1305 American National Government (3)

A course in American national government with emphasis on the historical background, structure, organization, and functioning of that government.

### PSC 1306 American State and Local Government (3)

A course in American state government with emphasis on the Texas Constitution and government. (Either PSC 1305 or 1306 will count as one of the social science requirements for the B.A. degree.)



**PSC 1387 The U.S. Constitution, Its Interpretation, and the American Political Experience (3)**

A study of the philosophical and historical background, development, and content of the United States Constitution and its interpretation by the Supreme Court in a complex and ever-changing multi-ethnic, multi-racial, and multi-religious society.

**PSC 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PSC 2343 Introduction to Western Political Philosophy (3)**

The Western tradition of political philosophy from Ancient Greece to the present day. This course will not substitute for PSC 1387.

**PSC 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PSC 3300 The Environment and Political Processes (3)**

Cross-listed as ENV 3300

This course explores the causes, the magnitude, and the meaning of the Ecological Crisis and analyzes the way in which environmental problems translate into political issues. Attention is given to the political processes on varying public levels and to political actions that have or have not been taken, or might be taken, on matters relevant to social and physical environments. The purpose of the course is to develop a broad base for informed judgment and for constructive attitudes regarding the growing ecological dilemma confronting all societies.

**PSC 3301 Scope and Methods of Political Science (3)**

A course designed to equip beginning political scientists with the basic tools of political analysis used by professional political scientists. The scope of the discipline is explored through the use of primary writings, and the student is introduced to general concepts, theories, approaches, and models as well as basic methodologies and techniques of political research.

**PSC 3302 Criminal Justice and Community Law Enforcement (3)**

Cross-listed as CCS 3302, PPS 3302

See PPS 3302 for course information.

**PSC 3304 Comparative Politics (3)**

Comparative political analysis using current theories and cross-regional examples from both historical and contemporary eras. Special focus on institutions, regime change, and political culture, political violence, and political development.

**PSC 3310 Legislative Process and Behavior (3)**

An examination of state and national legislative institutions and processes. Areas covered include the nature of legislative responsibility, organizational structure, the role of parties and lobbying groups, legislative decision making, legislative relations with executive and judicial branches, policy output, and the theory and methods employed by scholars currently working in this field.

**PSC 3311 Moot Court (3)**

Pre-requisite(s): Consent of instructor

Preparation for Moot Court competitions, which simulate the experience of arguing a constitutional case before the Supreme Court. May be taken twice for a total of six semester hours of credit.

**PSC 3312 Principles of Public Administration (3)**

An introduction to the principles of organization, personnel relations, and popular control of public administration in the United States. Emphasis will be placed on the practices of the national administration; comparisons will be made with the practices of England, France, and the American states.

**PSC 3314 Politics and Problems of Developing Countries (3)**

Cross-listed as AST 3314

A survey of the political systems and problems of the developing states of Asia, Africa, and Latin America. Several components of political systems will be examined.

**PSC 3315 Fundamentals of International Politics (3)**

Theories of international politics will be examined and compared in the light of the evolution of the modern states system. Attention will be given to the factors and variables that affect the formulation and implementation of foreign policies.

**PSC 3320 Minority and Ethnic Group Politics (3)**

A study of the political experiences and public concerns of four major ethnic and minority groups: African-Americans, Mexican-Americans, Asian-Americans, and Native Americans. Topics include employment, immigration, education, police-community relations, political and economic inequality, political movements, leadership patterns, and ethnic conflicts.

**PSC 3321 Criminal Law (3)**

Examination of the sources, development, and application of criminal law in the United States and Texas.

**PSC 3322 American Public Policy (3)**

An introductory study of how the dynamics of governmental decision making influence the content of public policy; course focuses upon how legislators, interest groups, chief executives, and the bureaucracy function to define alternatives and to shape policy agenda and content.

**PSC 3324 World Political Systems (3)**

A comparative survey of the world's political systems with emphasis on political culture, institutions, processes, and policies. Systems to be covered include the democracies of Western Europe, North America and the Pacific, the Communist and former Communist states of Eastern Europe and Asia, and the politically developing states of Africa, Asia, and Latin America.

**PSC 3325 Ethnopolitical Conflicts (3)**

Survey of communal and ethnically based conflicts, using case studies to explore communal grievances vs. state interests. Examines various forms of political accommodations such as exit, autonomy, access, and control.

**PSC 3330 The American Presidency (3)**

The American presidency as a political institution and as one of the primary components of the United States governmental structure.

**PSC 3335 Contemporary American Foreign Policy: An Examination of Regions and Issues (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Assessing continuity and change in foreign policy, including internationalism, isolationism, power, principle, and pragmatism to understand post-World War II American foreign policy. Analysis of evolution, patterns, and trends of American foreign policy.

**PSC 3339 Law and Religion in the United States (3)**

Cross-listed as CHS 3339, PHI 3339, REL 3339

See PHI 3339 for course information.

**PSC 3340 Campaigns and Elections (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
The United States electoral process and structure primarily from an institutional perspective with emphasis on the role of political parties, interest groups, and citizens in political campaigns and elections.

**PSC 3345 Making American Foreign Policy (3)**

Pre-requisite(s): Upper-level standing  
Values, objectives, processes, and means through which United States foreign policy objectives are formulated and sustained.

**PSC 3353 American Political Thought (3)**

An examination of American political and constitutional theory, from its philosophical genesis in the works of major early modern thinkers to the contributions of twentieth-century political and legal theorists. The original writings will be stressed.

**PSC 3355 The Causes of War (3)**

The causes of warfare, as viewed through the lenses of human evolution, psychological approaches, economic system, ideology, and the international system.

**PSC 3363 Western Political Thought: Classical and Medieval (3)**

The tradition of western political thought from its origins in Greek antiquity through the Christian middle ages, stressing the original writings of great political philosophers.

**PSC 3365 Politics, Games, and Strategy (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Rational choice, risk, and behavior as applied to politics and political science. Topics may include introductory game theory, international relations theory, and/or institutional rules.

**PSC 3372 Law, Justice and the Community (3)**

Cross-listed as CCS 3372, PPS 3372  
See PPS 3372 for course information.

**PSC 3373 Western Political Thought: Modern (3)**

Modern political thought from the fifteenth through the nineteenth centuries, stressing the original writings of great political philosophers.

**PSC 3375 Model United Nations (3)**

Pre-requisite(s): Consent of instructor  
An overview of the United Nations, including its origins, the six principal organs established by the UN charter, the UN's role in international relations, and the functions of the General Assembly and Security Council. Recommended for those interested in participating in Baylor's Model UN team. May be taken twice.

**PSC 3382 Public Service Internship (3)**

Pre-requisite(s): Consent of program director  
Research and seminars supplemented by fieldwork in a regional federal agency, in a state or local governmental agency, or in a not-for-profit agency.

**PSC 3392 Washington Internship (3)**

Pre-requisite(s): Consent of program director  
Research and seminars which will usually include attendance at a seminar held in Washington, DC. Also required is regularly scheduled fieldwork in a governmental or not-for-profit agency located in Washington.

**PSC 3692 Baylor in Washington Semester Internship (6)**

Pre-requisite(s): Consent of instructor  
Research and seminars supplemented by regularly scheduled fieldwork in a political office located in Washington, DC.

**PSC 3698 Bob Bullock Internship (6)**

Selection as a Bullock Scholar and research in the Texas Legislature or Executive Branch as part of the Bob Bullock Scholars program.

**PSC 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PSC 4300 Political Behavior (3)**

Psychological and social dimensions of political behavior including political images, culture and socialization, participation, leadership, elites, parties and interest groups, voting behavior, and decision making processes.

**PSC 4303 International Human Rights (3)**

Pre-requisite(s): Upper-level standing  
The philosophy and implementation of human rights protection in the United States and abroad.

**PSC 4304 Governments and Politics of Latin America (3)**

Forms of organization, functions, and operations of governments in Latin America, with emphasis on contemporary conditions, trends, and distinctive types of Latin American institutions and policies.

**PSC 4305 International Law (3)**

Nature and origins of international law and the rights, duties, and responsibilities of the states under that law, as well as the problems which have arisen in its interpretation and enforcement.

**PSC 4307 Environmental Law (3)**

Cross-listed as ENV 4307  
See ENV 4307 for course information.

**PSC 4310 Politics and Communication (3)**

Cross-listed as CSS 4310  
The dynamic relationships between political and communication institutions; topics include political discourse, news and information, and portrayal of politics in popular entertainment.

**PSC 4313 Politics and Literature (3)**

Pre-requisite(s): Upper-level standing  
Study of fundamental questions of political theory as treated in works of literature. Topics may include authority, law and discretion, the individual and the community, and the nature of freedom, especially as these issues emerge in different political orders. This course may be taken more than once, for a maximum of six credit hours, when content differs.

**PSC 4314 Government and Politics of Mexico (3)**

Constitutional development and political processes in the Mexican federal system. Emphasis will be placed on twentieth-century constitutional and political change, with special attention given to the current scene.

**PSC 4315 Political Geography (3)**

Concepts and principles of political geography. Analysis of dynamics of spatial relations and interactions of states. Comparison of main approaches, including geo-politics. Study of state elements, especially territorial integrity and frontiers. Survey and analysis of world political patterns.

**PSC 4316 Grand Strategy (3)**

Pre-requisite(s): Upper-level standing  
The relationship between a great power's grand strategy and stability in international politics.

**PSC 4320 African American Politics (3)**

Pre-requisite(s): Upper-level standing

Contemporary African American politics, including leading theories and paradigms, important social and political movements, prominent leaders, party politics, and role of the "Black Church."

**PSC 4321 Administrative Law (3)**

Nature and the law of the administrative procedure, of separation and delegation of powers, and of the scope of judicial review and other remedies against administrative actions.

**PSC 4322 Seminar in Public Administration (3)**

Pre-requisite(s): Upper-level standing

A course for upper-level undergraduates and graduate students contemplating careers requiring administrative skills. Topics, which will be chosen to meet the special needs of students, include the study of public personnel techniques and methods, project design and analysis, and program budgeting.

**PSC 4324 British Government and Politics (3)**

Foundations, processes, and politics of British government. Emphasis will be given to political parties and interest groups, parliament, cabinet and administration, judiciary, and the prime minister. Analysis of current political issues and policies will be undertaken.

**PSC 4325 Asian International Relations (3)**

Cross-listed as AST 4325

Historical and cultural background and structure of the emerging international order in Asia, with particular attention to the role of Japan, Russia and the Soviet successor states, and the People's Republic of China.

**PSC 4330 Urban Political Processes (3)**

Cross-listed as ENV 4330

Political institutions and processes in metropolitan areas, including social, economic, and governmental problems resulting from increased urbanization.

**PSC 4334 Governments and Politics of the Middle East (3)**

Political structures and processes of the Middle East nations with an emphasis on elites, political parties, interest groups, and bureaucracies. Inter-regional relations, nationalism, the impact of religion and the Arab-Israeli conflict will be considered. Problems of nation-building, regional cooperation, as well as super- and great-power penetration, will also be explored.

**PSC 4335 Public Discourse and Foreign Policy (3)**

Cross-listed as CSS 4353

See CSS 4353 for course information.

**PSC 4340 African American Communication (3)**

Cross-listed as CSS 4354

See CSS 4354 for course information.

**PSC 4342 Public Policy and the Courts (3)**

Pre-requisite(s): PSC 1387 or consent of instructor

The Supreme Court's role in the making of public policy, including its history, its justification, and its limits. Emphasis on court cases and literature covering economic, social and civil rights issues.

**PSC 4344 Government and Politics of Russia (3)**

Historical and cultural background, the organization and functions of government, and the theory and practice of Russian politics. Emphasis is given to Russia's relationships with associated states.

**PSC 4346 Intelligence and Covert Action (3)**

Pre-requisite(s): Upper level standing

The impact of intelligence, counterespionage, and covert action policies on national security policy and international relations.

**PSC 4350 Political Parties (3)**

Pre-requisite(s): Upper-level standing

The diverse roles of political parties in representative democracies, with emphasis on the American experience.

**PSC 4351 Criticism of Contemporary Public Address (3)**

Cross-listed as CSS 4351

See CSS 4351 for course information.

**PSC 4352 The Politics of Poverty (3)**

Pre-requisite(s): Upper-level standing

An analysis of the causes of poverty amidst plenty and governmental efforts to address the problem.

**PSC 4353 Social Philosophy (3)**

Cross-listed as PHI 4361

See PHI 4361 for course information.

**PSC 4354 Governments and Politics of Western Europe (3)**

Pre-requisite(s): A minimum grade of C in PSC 3304; or consent of instructor

A comparative study of the forms of government organization, political processes, and major developments in Western Europe. Course emphasizes parliamentary forms of democracy.

**PSC 4355 Power, Morality, and International Relations (3)**

Pre-requisite(s): Upper-level standing

The influence of moral principles on international politics.

**PSC 4361 American Constitutional Law (3)**

Constitutional law of the United States with basic cases concerning such subjects as separation of powers, federalism, the taxing and spending powers, and interstate and foreign commerce.

**PSC 4364 The Governments and Politics of the Asia-Pacific Region (3)**

Cross-listed as AST 4364

Historical development of the Asia-Pacific region, with a focus on the contrasting roles played by China, Japan, and the United States. Discussion of alternative models of economic development and the impact of ASEAN and APEC on regionalism. Survey of the socio-political conditions in and among the region's states, with special attention devoted to Korean unification and cross-strait relations.

**PSC 4365 International Political Economics (3)**

Pre-requisite(s): Junior standing or above

The intersection of politics and economics at the domestic and international levels. Political outlooks considered include liberalism, Keynesianism, and Marxism.

**PSC 4370 Politics and Religion (3)**

Pre-requisite(s): Upper-level standing

The dynamic interaction between religion and politics in the United States and other countries, including the effect of political outcomes in the context of voting, legislative and executive policymaking, and the law.

**PSC 4373 Special Topics in Political Philosophy (3)**

Pre-requisite(s): At least one 3000-level course in political philosophy, or consent of instructor

An upper-level seminar on a philosopher, a tradition of thought, or a theoretical problem in political philosophy.

**PSC 4374 Governments and Politics of East Asia (3)**

Cross-listed as AST 4374  
Government organization and functions, political processes, and major developments in the political systems of Japan, China, and Korea since World War II.

**PSC 4375 International Organization (3)**

Fundamentals of international politics and international law, advancing to an intensified study of past and, particularly, present international organizations, especially the United Nations.

**PSC 4379 Islam and Democracy (3)**

Pre-requisite(s): Upper-level standing  
Examines the evolution of political philosophy and institutions in Muslim culture.

**PSC 4380 Government and Business (3)**

Government in relation to the economy. Public policy with respect to such vital areas as maintenance of competition, public utilities, transportation, labor, agriculture, protection of the investor, and foreign economic policy. (Not to be taken if ECO 4317 has already been taken for credit.)

**PSC 4381 American Constitutional Law (3)**

Continuation of PSC 4361 but may be taken independently of that offering. Deals with those cases relating particularly to personal liberty and civil rights.

**PSC 4383 Contemporary Political Thought (3)**

Twentieth-century political ideas, with emphasis on contemporary democratic political theory and the challenges posed for traditional democratic ideals by major movements in contemporary psychological, existentialist, ethnic, feminist, socialist, and nationalist thought, and by problems arising from technology, mass society, and the observations of empirical political science.

**PSC 4384 Principles of Political Development (3)**

The development of contemporary states and nations, emphasizing war, geographic location, natural resources, and cultural and religious norms as determinants of different experiences.

**PSC 4385 Diplomacy in Theory and Practice (3)**

Pre-requisite(s): Upper-level standing  
How states and other international actors communicate and pursue their foreign policy objectives through the use of diplomatic agents and techniques.

**PSC 4386 Russia and the World (3)**

Pre-requisite(s): Upper-level standing or consent of the Instructor  
Evolution of Russia's foreign policy objectives, its national security strategies and its relations with the U.S., Europe and post-Soviet states, including spheres of cooperation and rivalry between Russia and the West, regional conflicts, energy politics, non-proliferation and counterterrorism.

**PSC 4390 Reading Course in Political Science (3)**

Pre-requisite(s): Senior standing and consent of the chairperson of the department  
A tutorial course designed for advanced study in political science. The nature, limits, and requirements will be established in each instance after consultation between professor and student. May also be taken by student in a particular field after consultation with appropriate professor. May be repeated under a different topic for a total of six hours credit.

**PSC 4395 Terrorism (3)**

Pre-requisite(s): Upper-level standing  
The effectiveness of terrorism as a coercive strategy for states and non-state actors as well as the threat terrorism poses to the interests of the United States.

**PSC 4396 International Studies Senior Seminar (3)**

Pre-requisite(s): Consent of instructor  
Senior seminar for international studies majors. Focus on career readiness, writing for a variety of audiences, and developing a final portfolio of analytical and communication skills.

**PSC 4397 Dictatorship, Democracy and Regime Change (3)**

This course looks at the origins, institutions and policies of democratic and authoritarian regimes. It explores the variation among autocracies and its effect on their stability and patterns of change, with a special focus on revolutions and negotiated transitions.

**PSC 4399 The Good Citizen in American Film & Pop Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Normative questions of political life and experience (such as, the good citizen, the good soldier, heroism, and virtue) through the medium of film, both recent and past.

**PSC 4V89 Advanced Model Organization of American States (1-3)**

Cross-listed as HIS 4V89  
See HIS 4V89 for course information.

**PSC 4V94 Special Topics in Political Science (1-6)**

Examination of special topics in government and politics. May be repeated once under different topic not to exceed six semester hours.

**PSC 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**Political Science, B.A.  
Requirements for a Major in Political Science**

| Code   | Title  | Hours     |
|--|--|-----------|
| Thirty-three semester hours including the following:   |  |           |
| <b>Required Courses</b>  |  |           |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3         |
| PSC 1305   | American National Government   | 3         |
| PSC 2343   | Introduction to Western Political Philosophy                                     | 3         |
| PSC 3304   | Comparative Politics   | 3         |
| PSC 3315   | Fundamentals of International Politics (International Relations)                 | 3         |
| Eighteen semester hours of PSC, twelve of which must be at the 3000-4000 level. Three hours may come from the following: |  | 18        |
| 3000-4000 level courses from: AMS, ANT, AST, BIC, CLA, CSS, ECO, HIS, LAS, PPS, PHI, REL, SEES, SIC, SOC                 |  |           |
| 2320-level or 3000-4000 level courses in ARB, CHI, FRE, GER, GRK, HEB, ITA, JPN, KOR, LAT, POR, RUS, SPA, SWA            |  |           |
| <b>Total Hours</b>   |  | <b>33</b> |

**Political Science (Pre-Law), B.A.  
Requirements for a Major in Political Science (Pre-Law)**

This track is designed for students with an interest in pre-law preparation. Students who select this track should consider



taking PHI 1306 Logic, as their Formal Reasoning requirement. Law schools generally encourage pre-law students to achieve a broad cultural background, and many students enter law school with an undergraduate major in political science.

| Code  | Title  | Hours     |
|---|--|-----------|
| <b>Required Courses</b>   |  |           |
| Thirty-three semester hours including the following:  |  |           |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3         |
| PSC 1305  | American National Government   | 3         |
| PSC 2343  | Introduction to Western Political Philosophy                                     | 3         |
| PSC 3304  | Comparative Politics   | 3         |
| PSC 3315  | Fundamentals of International Politics (International Relations)                 | 3         |
| Six semester hours from the following:  |  | 6         |
| PSC 3302  | Criminal Justice and Community Law Enforcement                                   |           |
| PSC 3321  | Criminal Law   |           |
| PSC 3339  | Law and Religion in the United States  |           |
| PSC 4305  | International Law  |           |
| PSC 4307  | Environmental Law  |           |
| PSC 4342  | Public Policy and the Courts   |           |
| PSC 4361  | American Constitutional Law  |           |
| PSC 4381  | American Constitutional Law  |           |
| Select three semester hours from the following:   |  | 3         |
| PSC 3311  | Moot Court   |           |
| PSC 3372  | Law, Justice and the Community   |           |
| PSC 3375  | Model United Nations   |           |
| PSC 4V89  | Advanced Model Organization of American States (three hours)                     |           |
| Or a course from the list above   |  |           |
| Nine additional semester hours of PSC. Three hours may come from the following:                               |  | 9         |
| 3000-4000 level courses from: AMS, ANT, AST, BIC, CLA, CSS, ECO, HIS, LAS, PPS, PHI, REL, SEES, SIC, SOC      |  |           |
| 2320-level or 3000-4000 level courses in ARB, CHI, FRE, GER, GRK, HEB, ITA, JPN, KOR, LAT, POR, RUS, SPA, SWA |  |           |
| <b>Total Hours</b>  |  | <b>33</b> |

## Political Science - Secondary Major

### Requirements for a Secondary Major in Political Science

| Code   | Title  | Hours |
|--|--|-------|
| Thirty-three semester hours including the following: |  |       |
| <b>Required Courses</b>                              |  |       |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| PSC 1305   | American National Government   | 3     |
| PSC 2343   | Introduction to Western Political Philosophy                                     | 3     |
| PSC 3304   | Comparative Politics   | 3     |

|  |  |           |
|--|--|-----------|
| PSC 3315   | Fundamentals of International Politics | 3         |
| Eighteen semester hours of PSC, twelve of which must be at the 3000-4000 level. Three hours may come from the following: |  | 18        |
| 3000-4000 level courses from: AMS, ANT, AST, BIC, CLA, CSS, ECO, HIS, LAS, PPS, PHI, REL, SEES, SIC, SOC                 |  |           |
| 2320-level or 3000-4000 level courses in ARB, CHI, FRE, GER, GRK, HEB, ITA, JPN, KOR, LAT, POR, RUS, SPA, SWA            |  |           |
| <b>Total Hours</b>   |  | <b>33</b> |

## Political Science Minor

### Requirements for a Minor in Political Science

| Code   | Title | Hours     |
|--|-------|-----------|
| <b>Required Courses</b>  |       |           |
| Eighteen semester hours of PSC, nine of which must be at the 3000-4000 level |       | 18        |
| <b>Total Hours</b>   |       | <b>18</b> |

## International Studies, B.A.

### Aims of the Program

This interdisciplinary program is administered by the Department of Political Science and is designed for:

1. Those who hope to qualify for recruitment by the U.S. Department of State, the U.S. Information Agency, the U.S. Department of Commerce, other U.S. Government agencies engaged in international operations, or agencies of the United Nations or other international organizations. Preparation for the Peace Corps should include an international studies major, a skills major, and proficiency in a foreign language. The International Studies program provides a strong background for students who expect to obtain the Master of Arts (M.A.) degree in international relations offered by the Graduate School of Baylor University.
2. Those who contemplate missionary service. This program is designed to introduce the prospective missionary to cross-cultural political, economic, and social relations.
3. Those who anticipate business assignments abroad or domestic positions in international trade and finance. The program affords preparation for such careers by providing emphasis on international and comparative economics, and it provides an excellent background for students who plan to obtain the Master of International Management (M.I.M.) degree offered by the Graduate School of Baylor University.
4. Those who are preparing for careers in public relations or mass communications. This undergraduate program is especially appropriate for students who intend to undertake graduate study for Baylor's Master of International Journalism (M.I.J.) degree.
5. Those who wish to prepare for staff work with international foundations.
6. Those who plan teaching careers in international education (overseas teaching or domestic teaching of international affairs).
7. Those who expect to become officers in the United States Air Force, Army, Navy, or Marine Corps.
8. Those who anticipate careers with the Central Intelligence Agency, Defense Intelligence Agency, Federal Bureau of Investigation,



- National Security Agency, or other intelligence organizations of the U.S. Government.
9. Those who do not plan an international career but seek a liberal arts education.

Information on Requirements for a Major in International Studies

- A. All specific and group requirements for the bachelor of arts degree.
- B. Requirements for the major: Thirty semester hours, fifteen of which must be at “3000” or “4000” level. The thirty hours in the major will include:
- a. Six hours of core courses.
  - b. Nine hours of Regional Studies courses.
  - c. Nine hours of Global Issues and Institutions courses.
  - d. Six hours of additional courses from the courses listed for the major.
- C. There are two versions of the major:
- a. General version of the major requires one additional semester of modern language at “3000” or “4000” level beyond University requirements.
  - b. Intensive version of the major requires two additional semesters of modern language at the “3000” to “4000” level beyond University requirements and study abroad or internship related to international affairs.
- D. Those students who plan to attend graduate school should enroll in at least two undergraduate economic courses ECO 2306 Principles of Microeconomics and ECO 2307 Principles of Macroeconomics. It is recommended that students enroll in PSC 4365 International Political Economics.

Requirements for a Major in International Studies

| Code   | Title                                  | Hours |
|--|--|-------|
| Thirty semester hours including the following:   |  |       |
| <b>Required Courses</b>  |  |       |
| PSC 3304   | Comparative Politics                   | 3     |
| PSC 3315   | Fundamentals of International Politics | 3     |
| <i>Regional Studies</i>  |  |       |
| Nine semester hours from Regional Studies. Hours may be taken from one region or from multiple regions from the following:   |  | 9     |
| Latin America (p. 218)   |  |       |
| Asia and Russia (p. 218)   |  |       |
| Middle East and Africa (p. 219)  |  |       |
| Europe and the United States (p. 219)  |  |       |
| <i>Global Issues and Institutions</i>  |  |       |
| Nine semester hours from Global Issues and Institutions. Hours may be taken from one section or from multiple sections from the following:   |  | 9     |
| Political and Development Issues ( <a href="https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/political-science/international-studies-ba/global-issues-pol_dev/">https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/political-science/international-studies-ba/global-issues-pol_dev/</a> ) |  |       |
| Economics (p. 220)   |  |       |
| Belief Systems (p. 220)  |  |       |

|  |              |
|--|--------------|
| Six additional hours from any of the courses listed in the regions and sections above; may include a Readings Course or Special Topics Course with consent of Director | 6            |
| <b>Subtotal</b>  | <b>30</b>    |
| <b>Required Courses in Other Fields</b>  |              |
| Select one version:  | 3-6          |
| <i>General Version</i> <sup>1</sup>  |              |
| Three hours of advanced (3000 or 4000 level) modern foreign language course.   |              |
| <i>Intensive Version</i> <sup>1</sup>  |              |
| Study Abroad or Internship related to international affairs and six hours of advanced (3000 or 4000 level) modern foreign language courses.                            |              |
| <b>Total Hours</b>   | <b>33-36</b> |

<sup>1</sup> The language selected must be offered as a major or minor at Baylor; only courses that will apply on the major or minor will count here. Courses taught in English will not apply here. To prepare to meet the advanced language requirement for the International Studies major, students should plan to take a modern foreign language for the basic B.A. degree language requirement. Courses may not count both here and in the International Studies major.

International Studies: Regional Studies

Latin America

| Code                  | Title  | Hours |
|-----------------------|--|-------|
| <b>Course Options</b> |  |       |
| ANT 3340              | Indigenous Cultures of Modern Mexico and Central America | 3     |
| ANT 3351              | Ancient Civilizations of Mesoamerica                     | 3     |
| HIS 3353              | Pre-Columbian and Colonial Latin America                 | 3     |
| HIS 3355              | Modern Latin America                                     | 3     |
| HIS 4350/LAS 4351     | The History of Gender in Latin America                   | 3     |
| HIS 4357              | Inter-American Relations                                 | 3     |
| LAS 1301              | Latin American Nations and People                        | 3     |
| LAS 2301              | An Introduction to Latin American Studies                | 3     |
| LAS 4350              | Latin American Studies Seminar                           | 3     |
| PHI 4331              | Latin American Philosophy                                | 3     |
| PSC 4304              | Governments and Politics of Latin America                | 3     |
| PSC 4314              | Government and Politics of Mexico                        | 3     |
| SPA 3311              | Spanish-American Civilization                            | 3     |

International Studies: Regional Studies

Asia and Russia

| Code                  | Title                               | Hours |
|-----------------------|-------------------------------------|-------|
| <b>Course Options</b> |                                     |       |
| ANT 4310              | Societies and Cultures of East Asia | 3     |
| AST 2380              | The Peoples and Culture of Asia     | 3     |
| AST 4350              | Seminar in Asian Studies            | 3     |

|               |   |     |
|---------------|---|-----|
| AST 4388      | Contemporary Chinese Society and Culture                | 3   |
| AST 4V80      | Contemporary Issues in Asian Studies                    | 1-3 |
| ECO 4335      | Asian Economic Development                              | 3   |
| HIS/AST 3305  | Traditional China                                       | 3   |
| HIS 3307      | Japan   | 3   |
| HIS 3340      | Russia to 1861  | 3   |
| HIS 3342      | Russia since 1861                                       | 3   |
| HIS/AST 4305  | Modern China  | 3   |
| PSC 4325      | Asian International Relations                           | 3   |
| PSC 4344      | Government and Politics of Russia                       | 3   |
| PSC 4364      | The Governments and Politics of the Asia-Pacific Region | 3   |
| PSC 4374      | Governments and Politics of East Asia                   | 3   |
| PSC 4386      | Russia and the World                                    | 3   |
| REL 4346      | Topics in Asian Religions                               | 3   |
| RUS/FDM 3345  | Introduction to Russian Film: Culture and Identity      | 3   |
| SEES/HIS 2380 | Introduction to Slavic and East European Studies I      | 3   |
| SEES/HIS 2381 | Introduction to Slavic and East European Studies        | 3   |

## International Studies: Regional Studies

### Middle East and Africa

| Code                  | Title                                       | Hours |
|-----------------------|---|-------|
| <b>Course Options</b> |   |       |
| ANT 4312              | Societies and Cultures of Africa            | 3     |
| ANT 4341              | Archaeology of the Mediterranean            | 3     |
| ANT 4344              | African Archaeology                         | 3     |
| HIS 3310              | The Middle East                             | 3     |
| HIS 3311              | Middle East History 600 - 1798              | 3     |
| HIS 3315              | History of West Africa                      | 3     |
| HIS 3318              | History of Modern Africa                    | 3     |
| HIS 3319              | Women and Gender in Modern Africa           | 3     |
| HIS 4312              | Modern Middle East History                  | 3     |
| HIS 4313              | War and Peace in the Middle East            | 3     |
| HIS 4316              | The African Diaspora                        | 3     |
| MES 2301              | Introduction to the Middle East             | 3     |
| MES 4378              | Religion & Politics in the Middle East      | 3     |
| MES 4V01              | Readings in Mid-East Studies                | 1-3   |
| PSC 4334              | Governments and Politics of the Middle East | 3     |
| REL 4343              | Topics in Islam                             | 3     |

## International Studies: Regional Studies

### Europe and the United States

| Code                  | Title  | Hours |
|-----------------------|--|-------|
| <b>Course Options</b> |  |       |
| AS 4301               | National Security  | 3     |
| AS 4302               | Preparation for Commissioning  | 3     |
| ANT 3301              | Science, Society, and Culture  | 3     |
| CSS 4353/PSC 4335     | Public Discourse and Foreign Policy  | 3     |
| FRE 3315              | Panorama of French Theatre   | 3     |
| FRE 3328              | Around the Francophone World in 45 Days                                    | 3     |
| FRE 3337              | French Civilization  | 3     |
| FRE 3338              | Contemporary France  | 3     |
| GER 3341              | Introduction to German Culture: Germany in the Making                      | 3     |
| GER 3345              | Introduction to German Film: German Culture from Berlin to Hollywood       | 3     |
| HIS 2V89              | Introduction to Model Organization of American States                      | 1-3   |
| HIS 3308              | Hitler and the Holocaust   | 3     |
| HIS 3344              | History of Modern Germany  | 3     |
| HIS 4328              | Medieval Britain   | 3     |
| HIS 4329              | The Renaissance and Reformation  | 3     |
| HIS 4330              | Medieval Mediterranean World   | 3     |
| HIS 4331              | European Expansion, 1400-1800  | 3     |
| HIS 4332              | Early Modern Europe  | 3     |
| HIS 4333              | French Revolution and Napoleon   | 3     |
| HIS 4335              | A History of Women in Europe since 1200                                    | 3     |
| HIS 4336              | Europe since World War I   | 3     |
| HIS 4337              | Europe from 1815 to 1914   | 3     |
| HIS 4339              | Cultural and Intellectual History of Modern Europe                         | 3     |
| HIS 4343              | France since 1815  | 3     |
| HIS/SEES 4379         | The Cold War   | 3     |
| HIS 4392              | U.S. Foreign Relations since 1919  | 3     |
| HIS 4393              | American Military History to 1890  | 3     |
| HIS 4394              | American Military History since 1890                                       | 3     |
| ITA 3330              | Italian Through Film   | 3     |
| ITA 3337              | Italian Civilization   | 3     |
| PPS 3301              | Public Policy Innovation and the Common Good                               | 3     |
| PSC 3335              | Contemporary American Foreign Policy: An Examination of Regions and Issues | 3     |
| PSC 3345              | Making American Foreign Policy   | 3     |
| PSC 3382              | Public Service Internship  | 3     |
| PSC 3392              | Washington Internship  | 3     |
| PSC 3692              | Baylor in Washington Semester Internship                                   | 6     |
| PSC 4316              | Grand Strategy   | 3     |
| PSC 4324              | British Government and Politics  | 3     |
| PSC 4335              | Public Discourse and Foreign Policy  | 3     |

|          |  |     |
|----------|--|-----|
| PSC 4354 | Governments and Politics of Western Europe     | 3   |
| PSC 4396 | International Studies Senior Seminar           | 3   |
| PSC 4V89 | Advanced Model Organization of American States | 1-3 |
| SPA 3310 | Spanish Civilization                           | 3   |

## International Studies: Global Issues & Institutions

### Political and Development Issues

| Code                  | Title  | Hours |
|-----------------------|--|-------|
| <b>Course Options</b> |  |       |
| ANT 1306              | Cultural Anthropology in Global Context                        | 3     |
| ANT 1310              | Cultural Geography   | 3     |
| ANT 1325              | Introduction to Global Health                                  | 3     |
| ANT 1404              | Introduction to Human Evolution                                | 4     |
| ANT 3320              | Environment and Human Behavior                                 | 3     |
| ANT 3350              | Native North Americans   | 3     |
| ANT 4305              | Anthropological Theory   | 3     |
| ANT 4306              | Economic Anthropology  | 3     |
| ANT/SOC 4320          | Culture, Personality and Identity                              | 3     |
| ANT 4321/ENV 4322     | Climate Anthropology   | 3     |
| ANT 4325              | Medical Anthropology   | 3     |
| ANT 4331              | Global Health Ethics   | 3     |
| ANT 4332              | Global Health Disparities                                      | 3     |
| ANT 4334              | Child and Family Health in Global Perspective                  | 3     |
| ANT 4336              | Global Health Policy   | 3     |
| ANT/ENV 4362          | Applied Anthropology   | 3     |
| ANT 4350              | Development and Indigenous People                              | 3     |
| ANT 4373              | One Health: Connecting Global Health and Conservation Medicine | 3     |
| BIC 4374              | World Cultures V: Differing Visions and Realities              | 3     |
| BL 4320               | International Business Law                                     | 3     |
| CFS 4356              | The Family: A Global Perspective                               | 3     |
| ENV 4310/ANT 4311     | World Food Problems  | 3     |
| GEOG 1300             | World Geography  | 3     |
| GEO 4312              | Oceanography   | 3     |
| JOU 3387              | International Communication                                    | 3     |
| PPS 4310              | Philanthropy, Civil Society, & the Public Good                 | 3     |
| PSC 3301              | Scope and Methods of Political Science                         | 3     |
| PSC 3314              | Politics and Problems of Developing Countries                  | 3     |
| PSC 3320              | Minority and Ethnic Group Politics                             | 3     |
| PSC 3324              | World Political Systems  | 3     |
| PSC 3325              | Ethnopolitical Conflicts                                       | 3     |
| PSC 3355              | The Causes of War  | 3     |
| PSC 3365              | Politics, Games, and Strategy                                  | 3     |
| PSC 3375              | Model United Nations   | 3     |
| PSC 4303              | International Human Rights                                     | 3     |

|           |  |   |
|-----------|--|---|
| PSC 4305  | International Law                            | 3 |
| PSC 4315  | Political Geography                          | 3 |
| PSC 4346  | Intelligence and Covert Action               | 3 |
| PSC 4355  | Power, Morality, and International Relations | 3 |
| PSC 4365  | International Political Economics            | 3 |
| PSC 4375  | International Organization                   | 3 |
| PSC 4384  | Principles of Political Development          | 3 |
| PSC 4385  | Diplomacy in Theory and Practice             | 3 |
| PSC 4395  | Terrorism                                    | 3 |
| PSC 4397  | Dictatorship, Democracy and Regime Change    | 3 |
| PUBH 4340 | Global Health                                | 3 |
| SWO 4317  | Human Trafficking                            | 3 |

## International Studies: Global Issues & Institutions

### Economics

| Code                  | Title                          | Hours |
|-----------------------|--------------------------------|-------|
| <b>Course Options</b> |                                |       |
| BUS 3310              | Multinational Business         | 3     |
| ECO 2307              | Principles of Macroeconomics   | 3     |
| ECO 4334              | Economic Development           | 3     |
| ECO 4338              | Economic Systems of the World  | 3     |
| ECO 4343              | History of Economic Thought    | 3     |
| FIN 4331              | International Business Finance | 3     |
| INB 3305              | Global Business                | 3     |
| INB 3332              | Business in the Global Economy | 3     |
| INB 3333              | Doing Business Across Cultures | 3     |
| INB/BL 4345           | Global Trade Compliance        | 3     |
| MKT 4325              | International Marketing        | 3     |

## International Studies: Global Issues & Institutions

### Belief Systems

| Code                  | Title   | Hours |
|-----------------------|---|-------|
| <b>Course Options</b> |   |       |
| HIS 3395              |   |       |
| PHI 3305              | British Philosophy and Culture                    | 3     |
| PHI 3312              | History of Philosophy: Modern European Philosophy | 3     |
| PHI 4340              | East Asian Philosophy                             | 3     |
| PHI 4341              | Contemporary Continental Philosophy               | 3     |
| PSC 3363              | Western Political Thought: Classical and Medieval | 3     |
| PSC 3373              | Western Political Thought: Modern                 | 3     |
| PSC 4379              | Islam and Democracy                               | 3     |
| PSC 4383              | Contemporary Political Thought                    | 3     |
| REL 3333              | History of Roman Catholicism                      | 3     |
| REL 3345              | World Religions                                   | 3     |
| REL 3394              | War and Peace in the Christian Tradition          | 3     |

|          |                       |   |
|----------|-----------------------|---|
| REL 4340 | Christian Missions    | 3 |
| REL 4348 | Modern Judaism        | 3 |
| SOC 4325 | Sociology of Religion | 3 |

## International Studies - Secondary Major

### Requirements for a Secondary Major in International Studies

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

Thirty semester hours including the following:

#### Required Courses

|          |  |   |
|----------|--|---|
| PSC 3304 | Comparative Politics                   | 3 |
| PSC 3315 | Fundamentals of International Politics | 3 |

#### Regional Studies

Nine semester hours from Regional Studies. Hours may be taken from one region or from multiple regions from the following:

Latin America (p. 218)

Asia and Russia (p. 218)

Middle East and Africa (p. 219)

Europe and the United States (p. 219)

#### Global Issues and Institutions

Nine semester hours from Global Issues and Institutions. Hours may be taken from one section or from multiple sections from the following:

Political and Development Issues ([https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/political-science/international-studies-ba/global-issues-pol\\_dev/](https://catalog.baylor.edu/undergraduate/college-arts-sciences/academic-departments/political-science/international-studies-ba/global-issues-pol_dev/))

Economics (p. 220)

Belief Systems (p. 220)

Six additional hours from any of the courses listed in the regions and sections above; may include a Readings Course or Special Topics Course with consent of Director

**Subtotal** **30**

#### Required Courses in Other Fields

Select one version: 3-6

#### General Version

Three hours of advanced ("3000" or "4000" level) modern foreign language course. The language selected must be offered as a major or minor at Baylor; only courses that will apply on the major or minor will count here. Courses taught in English will not apply here. To prepare to meet the advanced language requirement for the International Studies major, students should plan to take a modern foreign language for the basic B.A. degree language requirement. Courses may not count both here and in the International Studies major.

#### Intensive Version

Six hours of advanced ("3000" or "4000" level) modern foreign language courses. The language selected must be offered as a major or minor at Baylor; only courses that will apply on the major or minor will count here. Courses taught in English will not apply here. To prepare to meet the advanced language requirement for the International Studies major, students should plan to take a modern foreign language for the basic B.A. degree language requirement. Courses may not count both here and in the International Studies major.

Study Abroad or Internship related to international affairs.

**Total Hours** **33-36**

## International Studies Minor

### Requirements for a Minor in International Studies

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

Eighteen semester hours, nine of which must be at the 3000-4000 level, including the following:

#### Required Courses

|             |  |   |
|-------------|--|---|
| PSC 3315    | Fundamentals of International Politics | 3 |
| or PSC 3304 | Comparative Politics                   |   |

Fifteen semester hours chosen from the courses listed in the International Studies major 15

**Total Hours** **18**

## Criminal Justice Minor

### Requirements for a Minor in Criminal Justice

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

Eighteen semester hours including the following:

#### Required Courses

|             |                              |   |
|-------------|------------------------------|---|
| PSC 1305    | American National Government | 3 |
| or SOC 1305 | Introduction to Sociology    |   |

|              |  |   |
|--------------|--|---|
| PSC/PPS 3302 | Criminal Justice and Community Law Enforcement | 3 |
|--------------|--|---|

|             |              |   |
|-------------|--------------|---|
| SOC 4352    | Criminology  | 3 |
| or PSC 3321 | Criminal Law |   |

Select six semester hours from the following: 6

CSS 3306 Interviewing

CSS 3307 Legal Communication

PSC 3312 Principles of Public Administration

PSC 3320 Minority and Ethnic Group Politics

PSC 3321 Criminal Law

PSC 3322 American Public Policy

PSC 4321 Administrative Law

PSC 4330 Urban Political Processes

PSC 4381 American Constitutional Law

SOC 3360 Juvenile Delinquency

SOC 4352 Criminology

PSY 3321 Abnormal Psychology

or PSY 3330 Psychopathology

Select three semester hours from the following:

3

|              |                                |
|--------------|--------------------------------|
| PSC/PPS 3372 | Law, Justice and the Community |
| PSC 3382     | Public Service Internship      |
| PSC 3392     | Washington Internship          |
| PSC 3698     | Bob Bullock Internship         |

**Total Hours**

18

Students are strongly encouraged to take PPS 1102

## Psychology and Neuroscience

**Psychology and neuroscience are comprehensive and versatile majors, providing an educational foundation for advanced study in any field.** Psychologists bring diverse and sophisticated methods to bear on understanding human behavior and the world in which we live. We offer a well-rounded education in all of the major subfields of psychology, with a wealth of opportunities for hands-on clinical and research experience, overseas study, and mentoring with professors. Undergraduate students are offered a broad range of opportunities to work closely with professors outside of the classroom, in their labs, in community agencies, and on individual honors and research projects.

**Our majors have gone on to establish themselves in a range of professions.** They've become scientists, physicians, lawyers, academics, clinicians, and teachers, among a host of other chosen professions. We've placed students in top jobs and graduate programs across the country.

- Pre-Psychology, B.A. (p. 225)
- Psychology, B.A. (p. 226)
- Pre-Psychology, B.S. (p. 226)
- Psychology, B.S. (p. 227)
- Pre-Neuroscience, B.S. (p. 228)
- Neuroscience, B.S. (p. 228)

## Psychology (PSY)

**PSY 1101 New Student Experience in Psychology and Neuroscience (1)**  
Cross-listed as NSC 1101

An introduction to the PSY and NSC majors including the faculty and degree requirements of their major, techniques for academic success, and professional and career options. Satisfies U1000 requirements, and is required of all first-year students with a declared major in Pre-PSY or Pre-NSC.

**PSY 1305 Psychological Science: Understanding Human Behavior (3)**  
A survey course investigating the connections among mind, brain, and behavior.

**PSY 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PSY 2402 Statistics (4)**

Pre-requisite(s): PSY 1305 and a C or better in either MTH 1320, MTH 1321, or STA 1380

An introduction to descriptive and inferential statistics used in behavioral science research. Emphasis is placed on techniques of data analysis through the use of computers.

**PSY 2405 Research Methods in Psychology (4)**

Pre-requisite(s): PSY 1305 and 2402

Research methods used in psychology, including various research designs, appropriate statistical analyses for the research designs, and writing reports using APA style.

**PSY 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PSY 3111 Laboratory in Cognition (1)**

Cross-listed as NSC 3111

See NSC 3111 for course information.

**PSY 3120 Laboratory in Learning and Behavior (1)**

Cross-listed as NSC 3120

See NSC 3120 for course information.

**PSY 3123 Laboratory in Sensation and Perception (1)**

Cross-listed as NSC 3123

See NSC 3123 for course information.

**PSY 3308 Theories of Psychotherapy and Counseling (3)**

Pre-requisite(s): PSY 1305 and 2402

The major schools and current trends in psychotherapy. Discussion also includes issues involving ethical practices and empirical aspects of psychotherapy.

**PSY 3309 Introduction to Clinical Psychology (3)**

Pre-requisite(s): PSY 1305 and 2402

Students will learn about models of training in clinical psychology and the basic tools used by clinical psychologists in research, assessment/diagnosis, and treatment.

**PSY 3310 Social Psychology (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor

A study of individual behavior as affected by cultural and social stimuli.

**PSY 3311 Cognition (3)**

Cross-listed as NSC 3311

See NSC 3311 for course information.

**PSY 3314 Industrial/Organizational Psychology (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor

A survey of personnel and organizational psychology. Topics include job satisfaction, leadership, formal organizational structures and issues relevant to the human relations field.

**PSY 3318 Psychology of Memory (3)**

Pre-requisite(s): NSC 1106-1306, PSY 1305 and 2402 or consent of instructor

An introduction to the study of human memory, including both laboratory studies and clinical data. This information will be related to major contemporary theories of memory, as well as to a range of phenomena including mnemonics, eyewitness testimony, retention of course content, and supranormal memory. Demonstrations and experiments will complement lecture material.

**PSY 3320 Learning and Behavior (3)**

Cross-listed as NSC 3320

See NSC 3320 for course information.

**PSY 3321 Abnormal Psychology (3)**

An introduction to historical and modern views of abnormal behavior and a survey of the field of psychological disorders. For non-majors only.

**PSY 3323 Sensation and Perception (3)**

Cross-listed as NSC 3323

See NSC 3323 for course information.



**PSY 3330 Psychopathology (3)**

Pre-requisite(s): NSC 1106-1306 and PSY 1305

The paradigms and processes involved in understanding the etiology, course, treatment, and prevention of psychological disorders. For majors only.

**PSY 3333 Biopsychology of Health Disparities (3)**

Pre-requisite(s): PSY 1305

The study of the biopsychosocial factors leading to socioeconomic health disparities.

**PSY 3335 Child Psychopathology (3)**

Pre-requisite(s): PSY 1305

Introduction to the field of abnormal child and adolescent psychology, including the causes, maintenance, and treatment of children's behavioral, social-emotional, and cognitive disorders from a developmental perspective.

**PSY 3341 A Survey of Human Development (3)**

A survey of the field of developmental psychology. Consideration is given to the development of human behavior from conception to death. For nonmajors only.

**PSY 3350 Developmental Psychology (3)**

Pre-requisite(s): NSC 1106-1306 and PSY 1305

Social, emotional, cognitive, and psychological growth and development. For majors only.

**PSY 3355 Drugs and Behavior (3)**

Pre-requisite(s): NSC 1306 or consent of instructor

A study of the major drugs used to modify mood and behavior examination of tolerance, dependence, addiction, and treatment. Substances studied include alcohol, anti-psychotic medications, sedatives, stimulants, analgesics, hallucinogens, and other psychoactive substances.

**PSY 3360 Psychology of Gender (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor

Introduction to the psychology of gender, with focus on interconnections of social and cultural processes with biological and psychological factors. Additional emphasis on psychological and sociological origins and implications of gender differences as well as similarities.

**PSY 3370 Affective Neuroscience (3)**

Cross-listed as NSC 3370

See NSC 3370 for course information.

**PSY 3375 Sleep (3)**

Cross-listed as NSC 3375

Pre-requisite(s): NSC 1306

The psychology and neuroscience underlying healthy sleep, the effects of sleep deprivation on medical outcomes, changes in sleep across the lifespan, sleep disorders, and solutions for improving sleep.

**PSY 3380 Forensic Psychology (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor

Psychology as it relates to criminal and civil law.

**PSY 3399 Positive Psychology and Well-Being (3)**

Pre-requisite(s): PSY 1305 and 2402

Positive psychology theory, research, and interventions.

**PSY 3406 Comparative Psychology (4)**

Pre-requisite(s): NSC 1106-1306, PSY 1305 and 2402 or consent of instructor

A phylogenetic comparison of animal behavior. Class and field studies stress evolution and the function of behavior. The laboratory consists of four overnight or day field trips which emphasize studies of animal populations, their relationships to local environments, habitat analysis, and ecological research methods.

**PSY 3425 Group Processes (4)**

Pre-requisite(s): PSY 1305 and 2402, or consent of instructor

Group dynamics, leadership roles in problem solving, and analysis of interpersonal behavior.

**PSY 3V90 Community Internship in Psychology (1-3)**

Pre-requisite(s): PSY 3321 or 3330 or consent of instructor

A contracted number of forty, eighty, or one hundred-ten hours of volunteer work during the semester in a community agency dealing with behavioral problems for the one, two, or three semester hours credit respectively. The course may be repeated once. No change in number of credit hours permitted after contract is made.

**PSY 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PSY 4119 Laboratory in Clinical Neuroscience (1)**

Cross-listed as NSC 4119

See NSC 4119 for course information.

**PSY 4130 Advanced Laboratory in Neural Science (1)**

Cross-listed as NSC 4130

See NSC 4130 for course information.

**PSY 4302 Human Development (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor

Research related to human growth and development.

**PSY 4312 Behavioral Medicine (3)**

Cross-listed as MH 4312, NSC 4312

See NSC 4312 for course information.

**PSY 4315 Psychological Assessment and Psychometrics (3)**

Pre-requisite(s): PSY 2402

Commonly employed psychological tests and the statistical techniques used to develop and validate these tests.

**PSY 4317 Literature of Behavioral Neuroscience (3)**

Cross-listed as NSC 4317

See NSC 4317 for course information.

**PSY 4319 Clinical Neuroscience (3)**

Cross-listed as NSC 4319

See NSC 4319 for course information.

**PSY 4324 Research on the Senses and Perception (3)**

Cross-listed as NSC 4324

See NSC 4324 for course information.

**PSY 4325 Sports and Exercise Psychology (3)**

Pre-requisite(s): PSY 1305 or consent of instructor

Examines psychological theories and research related to sport and exercise behavior, providing a broad overview of the major topics in the area.

**PSY 4327 Theories of Personality (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor

Major theories of personality.

**PSY 4329 Consciousness (3)**

Pre-requisite(s): NSC 1106-1306 and PSY 1305 or consent of instructor  
A study of various theoretical views of the mind and the impact of the cognitive movement in psychology; relevant experimental studies are examined.

**PSY 4330 Advanced Principles of Neural Science (3)**

Cross-listed as NSC 4330  
See NSC 4330 for course information.

**PSY 4339 Psychology of Religion (3)**

Pre-requisite(s): PSY 1305 or consent of instructor  
Psychological processes in religious experience and related phenomena with a focus on religious development through the life cycle and the major psychological interpretations.

**PSY 4355 Psychology and Aging (3)**

Pre-requisite(s): PSY 1305 or consent of instructor  
Normal and abnormal changes in behavior that occur between early maturity and later maturity, with emphasis on changes in sensation and perception, intelligence, learning, and personality, as well as other areas of a more social psychological nature such as social roles and the impact of environmental change on older people.

**PSY 4371 Advanced Research in Psychology (3)**

Pre-requisite(s): Consent of instructor  
An in-depth laboratory research experience in psychology as supervised by a faculty mentor.

**PSY 4380 Psychology of Personal Relationships (3)**

Pre-requisite(s): PSY 1305 and 2402; and upper-level standing  
Classic and contemporary theories and research pertaining to personal and social relationships.

**PSY 4385 Psychology of Film (3)**

Pre-requisite(s): PSY 1305 and upper-level standing, or consent of instructor  
The psychological aspects of film, as related to content, audience, and individual viewers. Also covers the portrayal of mental illness and mental health care professionals.

**PSY 4395 History of Psychology (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor  
A survey of the history of psychology stressing significant persons and theories with some emphasis on contemporary and emerging trends.

**PSY 4400 Advanced Statistics I (4)**

Pre-requisite(s): PSY 2402 or STA 2381 or equivalent; and upper-level standing  
Logical nature of statistical reasoning. Sets, probability, density functions, random variables and their distributions, estimation and hypothesis testing.

**PSY 4V96 Special Topics in Psychology I (1-4)**

Pre-requisite(s): Consent of instructor  
Course may be repeated once with change in content.

**PSY 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**Neuroscience (NSC)****NSC 1101 New Student Seminar in Psychology and Neuroscience (1)**

Cross-listed as PSY 1101  
See PSY 1101 for course information.

**NSC 1106 Introduction to Neuroscience Laboratory (1)**

Pre-requisite(s): NSC 1306 or concurrent enrollment  
Laboratory experiments illustrating procedures in neuroanatomy, behavioral neuroscience, animal learning and behavior, and human sensation and perception.

**NSC 1306 Introduction to Neuroscience (3)**

An introduction to the biological bases of human and animal behavior. Emphasis is placed upon neuroanatomical, neurophysiological, and behavioral methodologies which contribute to an understanding of brain-behavior relationships.

**NSC 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**NSC 2306 Research Methods in Neuroscience (3)**

Pre-requisite(s): NSC 1306 with a grade of B or better  
An introduction to fundamental principles, techniques, and procedures that underlie neuroscience research.

**NSC 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**NSC 3111 Laboratory in Cognition (1)**

Cross-listed as PSY 3111  
Pre-requisite(s): NSC 3311 or concurrent enrollment  
Laboratory experiments illustrating methods and procedures in cognitive psychology.

**NSC 3120 Laboratory in Learning and Behavior (1)**

Cross-listed as PSY 3120  
Pre-requisite(s): NSC 3320 or PSY 3320 or concurrent enrollment  
Laboratory experiments illustrating methods and procedures in learning and behavior.

**NSC 3123 Laboratory in Sensation and Perception (1)**

Cross-listed as PSY 3123  
Pre-requisite(s): NSC 3323 or PSY 3323 or concurrent enrollment  
Laboratory experiments illustrating methods and procedures in sensation and perception.

**NSC 3311 Cognition (3)**

Cross-listed as PSY 3311  
Pre-requisite(s): NSC 1106-1306, and either PSY 2402 or MTH 1321; or consent of instructor  
Introduction to the structures and processes involved in human cognition, including thinking, problem solving, language, attention, and memory.

**NSC 3320 Learning and Behavior (3)**

Cross-listed as PSY 3320  
Pre-requisite(s): NSC 1106-1306, and either PSY 2402 or MTH 1321 or consent of instructor  
An examination of human and animal learning and behavior within a nature-nurture framework.

**NSC 3323 Sensation and Perception (3)**

Cross-listed as PSY 3323  
Pre-requisite(s): NSC 1106-1306, and either PSY 2402 or MTH 1321 or consent of instructor  
An introduction to the anatomical, physiological, motivational, and cognitive factors which determine conscious sensory and perceptual experience.

**NSC 3370 Affective Neuroscience (3)**

Cross-listed as PSY 3370

Pre-requisite(s): NSC 1306 and 1106

Explores the underlying neural circuits important for normal and abnormal emotional behavior and experience. Focus on neuroimaging studies of human disorders for which there is a critical mass of data regarding the neural underpinnings of psychopathology.

**NSC 3375 Sleep (3)**

Cross-listed as PSY 3375

See PSY 3375 for course information.

**NSC 3381 Neuroscience and the Law (3)**

Pre-requisite(s): NSC 1306 and (PSY 2405 or NSC 2306)

Examines neuroscience methods and research related to criminal and civil law and society at large, providing a broad overview of the major topics in the area.

**NSC 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**NSC 4119 Laboratory in Clinical Neuroscience (1)**

Cross-listed as PSY 4119

Pre-requisite(s): Credit or concurrent enrollment in either NSC 4319 or PSY 4319

Laboratory experiments illustrating methods and procedures in clinical neuroscience.

**NSC 4130 Advanced Laboratory in Neural Science (1)**

Cross-listed as PSY 4130

Pre-requisite(s): NSC/PSY 4330 or concurrent enrollment

Laboratory experiments illustrating methods and procedures in Behavioral Neuroscience.

**NSC 4312 Behavioral Medicine (3)**

Cross-listed as PSY 4312

Pre-requisite(s): NSC 1106 and 1306 or consent of instructor

Topics include the role of mind, brain, and behavior in health, disease and wellness; the history, philosophy, and current status of health care systems; physiological and behavioral analyses of stress; psychoneuroimmunology; behavioral factors in cardiovascular disease, cancer, drug abuse, and weight management.

**NSC 4317 Literature of Behavioral Neuroscience (3)**

Cross-listed as PSY 4317

Pre-requisite(s): NSC 1106-1306 and PSY 2402 or consent of instructor

An intensive introduction to the scientific literature in behavioral neuroscience. Students will be exposed to the contemporary literature through an examination of fundamental contributions in several areas. Preparation of a serious paper in a specific area of current research interest is required.

**NSC 4319 Clinical Neuroscience (3)**

Cross-listed as PSY 4319

Pre-requisite(s): NSC 1106 and 1306, and either PSY 2405 or MTH 1321 or consent of instructor

A survey of current neuroscientific contributions to the understanding of the etiology of various mental disorders. The course covers basic principles of neural science followed by an examination of motivation and emotions within a neuroscience framework.

**NSC 4324 Research on the Senses and Perception (3)**

Cross-listed as PSY 4324

Pre-requisite(s): NSC 1106-1306 and PSY 2402 or consent of instructor

A study of individual problems in perception through directed reading, independent research, and/or laboratory work.

**NSC 4330 Advanced Principles of Neural Science (3)**

Cross-listed as PSY 4330

Pre-requisite(s): NSC 1106-1306 and PSY 1305, or consent of instructor

A study of the structure and function of the human nervous system as related to behavior.

**NSC 4356 Neuropharmacology (3)**

Pre-requisite(s): NSC 1306

The pharmacology of major drugs that work primarily on the nervous system, with an emphasis on pharmacodynamics (receptor subtypes, locations, and functions).

**NSC 4371 Advanced Research in Neuroscience (3)**

Pre-requisite(s): Consent of instructor

An in-depth laboratory research experience in neuroscience as supervised by a faculty mentor.

**NSC 4V96 Special Topics in Neuroscience (1-4)**

Pre-requisite(s): Consent of instructor

May be repeated once with change of topic.

**NSC 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Pre-Psychology, B.A.

### Students Enrolling as Freshmen

Incoming first-year students are admitted as "Pre-PSY majors." Students will be admitted into the PSY major when they have achieved the following:

| Code   | Title  | Hours     |
|--|--|-----------|
| Completed the following PSY/NSC courses, with a grade of "C" or better:  |  |           |
| <b>Required Courses</b>  |  |           |
| PSY 1101   | New Student Experience in Psychology and Neuroscience <sup>1</sup> | 1         |
| Of the following required courses, six hours must be taken at Baylor University. <sup>2</sup>  |  |           |
| PSY 1305   | Psychological Science: Understanding Human Behavior                | 3         |
| NSC 1306   | Introduction to Neuroscience                                       | 3         |
| PSY 2402   | Statistics   | 4         |
| <b>Additional Requirements</b>   |  |           |
| Have a minimum overall GPA of 2.25 in no fewer than 40 hours attempted at Baylor University. Transfer hours and grades are not considered in meeting these requirements.   |  |           |
| All students will be evaluated at the conclusion of the summer, fall or spring term in which 40 hours is surpassed. Students failing to meet these requirements for promotion at that time will be ineligible to continue in the BA PSY major. |  |           |
| <b>Total Hours</b>   |  | <b>11</b> |

<sup>1</sup> Students who completed another New Student Experience course can petition to allow that course to substitute for PSY 1101 New Student Experience in Psychology and Neuroscience.

<sup>2</sup> Transfer or AP credit cannot be used to complete these six hour requirements for promotion, although they may be used to satisfy graduation requirements.

Students Enrolling as Transfers

Students transferring from another institution may select Pre-PSY (BA) as a major. Transfer students must complete the pre-major requirements within their first 30 hours attempted at Baylor University and have a minimum overall GPA of 2.25. Application for a change of major should be made with the student’s Academic Advisor.

Students wishing to transfer to BA PSY from another major at Baylor must have completed the pre-major requirements, must have an overall GPA of 2.50, and must do so before 60 hours are attempted at Baylor University. Upon successful application, such students will be admitted directly to the BA PSY major. Application for a Change of Major should be made with the student’s Academic Advisor.

| Code  | Title   | Hours |
|---|---|-------|
| Completed the following PSY/NSC courses, with a grade of C or better:                           |   |       |
| Required Courses  |   |       |
| Of the following required courses, six hours must be taken at Baylor University. <sup>1,2</sup> |   |       |
| PSY 1305  | Psychological Science: Understanding Human Behavior | 3     |
| NSC 1306  | Introduction to Neuroscience                        | 3     |
| PSY 2402  | Statistics  | 4     |
| Total Hours   |   | 10    |

<sup>1</sup> Transfer or AP credit cannot be used to complete these six hour requirements for promotion, although they may be used to satisfy graduation requirements.

<sup>2</sup> PSY 1101 is waived for transfer students.

Psychology, B.A.  
Requirements for a Major in Psychology

| Code  | Title  | Hours |
|---|--|-------|
| Thirty-four semester hours including the following: |  |       |
| Required Courses                                    |  |       |
| PSY 1305  | Psychological Science: Understanding Human Behavior  | 3     |
| NSC 1306 & NSC 1106                                 | Introduction to Neuroscience and Introduction to Neuroscience Laboratory                     | 4     |
| PSY 2402  | Statistics   | 4     |
| PSY 2405  | Research Methods in Psychology   | 4     |
| Mental Health                                       |  |       |
| PSY 3308 or PSY 3309 or PSY 3330                    | Theories of Psychotherapy and Counseling Introduction to Clinical Psychology Psychopathology | 3     |
| Experimental Psychology with Laboratory             |  |       |

|  |   |    |
|--|---|----|
| Select one of the following pairs:   |   | 4  |
| PSY 3311 & PSY 3111  | Cognition and Laboratory in Cognition                               |    |
| PSY 3320 & PSY 3120  | Learning and Behavior and Laboratory in Learning and Behavior       |    |
| PSY 3323 & PSY 3123  | Sensation and Perception and Laboratory in Sensation and Perception |    |
| Social and Developmental Psychology  |   |    |
| PSY 3310 or PSY 3350 or PSY 4327   | Social Psychology Developmental Psychology Theories of Personality  | 3  |
| Advanced Psychology Electives  |   |    |
| Nine additional semester hours of 3000-4000 PSY courses <sup>1</sup>                   |   | 9  |
| A grade of “C” or better is required in all PSY and/or NSC courses used for the major. |   |    |
| Subtotal   |   | 34 |
| Required Courses in Other Fields   |   |    |
| A grade of “C” or better is required in each course.                                   |   |    |
| MTH 1320 or MTH 1321 or STA 1380   | Precalculus Mathematics Calculus I Elementary Statistics            | 3  |
| Four additional hours of Laboratory Science (not from PSY/NSC)                         |   | 4  |
| Total Hours  |   | 41 |

<sup>1</sup> Courses designated for non-majors (PSY 3321 Abnormal Psychology, PSY 3341 A Survey of Human Development) are not applicable to the major.

Pre-Psychology, B.S.

Incoming first-year students are admitted as “Pre-PSY majors.” Students will be admitted into the PSY major when they have achieved the following:

Students Enrolling as Freshmen

| Code  | Title  | Hours |
|---|--|-------|
| Completed the following courses, with a grade of C or better:                                 |  |       |
| Required Courses  |  |       |
| MTH 1321  | Calculus I   | 3     |
| PSY 1101  | New Student Experience in Psychology and Neuroscience <sup>1</sup> | 1     |
| Of the following required courses, six hours must be taken at Baylor University. <sup>2</sup> |  |       |
| PSY 1305  | Psychological Science: Understanding Human Behavior                | 3     |
| NSC 1306  | Introduction to Neuroscience                                       | 3     |
| NSC 1106  | Introduction to Neuroscience Laboratory                            | 1     |
| PSY 2402  | Statistics   | 4     |
| Additional Requirements   |  |       |
| Have a minimum overall GPA of 2.75 in no fewer than 40 hours completed at Baylor University.  |  |       |

All students will be evaluated at the conclusion of the summer, fall or spring term in which 40 hours is surpassed. Students failing to meet these requirements for promotion at that time will be ineligible to continue in the BS PSY major.

**Total Hours** 15

<sup>1</sup> Transfer or AP credit cannot be used to complete these six hour requirements for promotion, although they may be used to satisfy graduation requirements.

<sup>2</sup> Students who completed another New Student Experience course can petition to allow that course to substitute for PSY 1101 New Student Experience in Psychology and Neuroscience.

## Students Enrolling as Transfers

Students transferring from another institution may select Pre-PSY (BS) as a major. Transfer students must complete the pre-major requirements within their first 30 hours attempted at Baylor University and have a minimum overall GPA of 2.75. Application for a change of major should be made with the student's Academic Advisor.

Students transferring from another major at Baylor cannot select Pre-PSY (BS) as a major. Rather, students desiring to change their major to BS PSY must have completed the pre-major requirements, must have an overall GPA of 3.30, and must do so before 45 hours are attempted at Baylor University. Upon successful application, such students will be admitted directly to the BS PSY major. Application for a Change of Major should be made through the student's Academic Advisor.

| Code   | Title   | Hours     |
|--|---|-----------|
| Completed the following courses, with a grade of C or better: <sup>1,2</sup> |   |           |
| <b>Required Courses</b>  |   |           |
| MTH 1321   | Calculus I  | 3         |
| PSY 1305   | Psychological Science: Understanding Human Behavior | 3         |
| NSC 1306   | Introduction to Neuroscience                        | 3         |
| NSC 1106   | Introduction to Neuroscience Laboratory             | 1         |
| PSY 2402   | Statistics  | 4         |
| <b>Total Hours</b>   |   | <b>14</b> |

<sup>1</sup> Transfer or AP credit cannot be used to complete these six hour requirements for promotion, although they may be used to satisfy graduation requirements.

<sup>2</sup> PSY 1101 is waived for transfer students.

## Psychology, B.S. Requirements for a Major in Psychology

| Code  | Title  | Hours |
|---|--|-------|
| Minimum thirty-four semester hours including the following: |  |       |
| <b>Required Courses</b>                                     |  |       |
| PSY 1305  | Psychological Science: Understanding Human Behavior                      | 3     |
| NSC 1306 & NSC 1106   | Introduction to Neuroscience and Introduction to Neuroscience Laboratory | 4     |
| PSY 2402  | Statistics   | 4     |

|  |  |              |
|--|--|--------------|
| PSY 2405   | Research Methods in Psychology   | 4            |
| <i>Mental Health</i>   |  |              |
| PSY 3308<br>or PSY 3309<br>or PSY 3330   | Theories of Psychotherapy and Counseling<br>Introduction to Clinical Psychology<br>Psychopathology | 3            |
| <i>Experimental Psychology with Laboratory</i>   |  |              |
| Select one of the following pairs:   |  | 4            |
| PSY 3311<br>& PSY 3111   | Cognition<br>and Laboratory in Cognition   |              |
| PSY 3320<br>& PSY 3120   | Learning and Behavior<br>and Laboratory in Learning and Behavior                                   |              |
| PSY 3323<br>& PSY 3123   | Sensation and Perception<br>and Laboratory in Sensation and Perception                             |              |
| <i>Quantitative Psychology</i>   |  |              |
| PSY 4315<br>or PSY 4400  | Psychological Assessment and Psychometrics<br>Advanced Statistics I                                | 3-4          |
| <i>Biological Psychology</i>   |  |              |
| PSY 4312<br>or PSY 4319<br>or PSY 3355   | Behavioral Medicine<br>Clinical Neuroscience<br>Drugs and Behavior                                 | 3            |
| <i>Advanced Psychology Electives</i>   |  |              |
| Six additional semester hours of 3000-4000 PSY courses <sup>1</sup>                    |  | 6            |
| <i>Additional Requirements</i>   |  |              |
| A grade of "C" or better is required in all PSY and/or NSC courses used for the major. |  |              |
| <b>Subtotal</b>  |  | <b>34-35</b> |
| <b>Required Courses in Other Fields</b>  |  |              |
| A grade of "C" or better is required in each course.                                   |  |              |
| MTH 1321   | Calculus I   | 3            |
| MTH 1322   | Calculus II  | 3            |
| BIO 1305<br>& BIO 1105   | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience Laboratory                      | 4            |
| BIO 1306<br>& BIO 1106   | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience Laboratory           | 4            |
| CHE 1301<br>& CHE 1101   | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I                       | 4            |
| CHE 1302<br>& CHE 1102   | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II                     | 4            |
| PHY 1408<br>or PHY 1420  | General Physics for Natural and Behavioral Sciences I<br>General Physics I                         | 4            |
| <b>Total Hours</b>   |  | <b>60-61</b> |

<sup>1</sup> Courses designated for non-majors (PSY 3321 Abnormal Psychology, PSY 3341 A Survey of Human Development) are not applicable to the major.



Pre-Neuroscience, B.S.

Incoming first-year students are admitted as “Pre-NSC majors.” Students will be admitted into the NSC major when they have achieved the following:

Students Enrolling as Freshmen

| Code   | Title  | Hours |
|--|--|-------|
| Completed the following PSY/NSC courses:   |  |       |
| Required Courses   |  |       |
| NSC 1101   | New Student Seminar in Psychology and Neuroscience <sup>1</sup>  | 1     |
| PSY 1305   | Psychological Science: Understanding Human Behavior <sup>2</sup> | 3     |
| MTH 1321   | Calculus I <sup>2</sup>  | 3     |
| NSC 1106   | Introduction to Neuroscience Laboratory <sup>2</sup>             | 1     |
| NSC 1306   | Introduction to Neuroscience <sup>3</sup>                        | 3     |
| Additional Requirements  |  |       |
| Have a minimum overall GPA of 2.75 in no fewer than 40 hours attempted at Baylor University. Transfer or AP credit are not considered in meeting these requirements.   |  |       |
| All students will be evaluated at the conclusion of the summer, fall or spring term in which 40 hours is surpassed. Students failing to meet these requirements for promotion at that time will be ineligible to continue in the BS NSC major. |  |       |
| Total Hours  |  | 11    |

<sup>1</sup> Students who completed another New Student Experience course can petition to allow that course to substitute for NSC 1101 New Student Experience in Psychology and Neuroscience.

<sup>2</sup> Earned a grade of C or higher.

<sup>3</sup> Earned a grader B or better in NSC 1306 Introduction to Neuroscience. With permission of the chair or chair’s designee, followed by Dean’s approval, students who fail to earn a B may repeat the course **one time**.

Students Enrolling as Transfers

Students transferring from another institution may select Pre-NSC as a major. Transfer students must complete the pre-major requirements within their first 30 hours attempted at Baylor University. Application for a Change of Major should be made with the student’s academic advisor

Students transferring from another major at Baylor cannot select Pre-NSC as a major. Rather, students desiring to change their major to BS NSC must have completed the pre-major requirements, must have an overall GPA of 3.30, and must do so before 45 hours are attempted at Baylor University. Upon successful application, such students will be admitted directly to the BS NSC major. Application for a Change of Major should be made through the student’s academic advisor

| Code                          | Title  | Hours |
|-------------------------------|--|-------|
| Required Courses <sup>1</sup> |  |       |
| PSY 1305                      | Psychological Science: Understanding Human Behavior <sup>2</sup> | 3     |
| MTH 1321                      | Calculus I <sup>2</sup>  | 3     |
| NSC 1106                      | Introduction to Neuroscience Laboratory <sup>2</sup>             | 1     |

|             |   |    |
|-------------|---|----|
| NSC 1306    | Introduction to Neuroscience <sup>3</sup> | 3  |
| Total Hours |   | 10 |

<sup>1</sup> NSC 1101 is waived for transfer students.

<sup>2</sup> Earned a grade of C or higher.

<sup>3</sup> Earned a B or better in NSC 1306 Introduction to Neuroscience. With permission of the chair or chair’s designee, followed by Dean’s approval, students who fail to earn a B may repeat the course **one time**. Transfer or AP credit may not be used to satisfy this requirement.

Neuroscience, B.S.  
Requirements for a Major in Neuroscience

| Code   | Title  | Hours |
|--|--|-------|
| Thirty-two semester hours including the following:                                   |  |       |
| Required Courses   |  |       |
| NSC 1306 & NSC 1106  | Introduction to Neuroscience and Introduction to Neuroscience Laboratory                             | 4     |
| NSC 2306   | Research Methods in Neuroscience   | 3     |
| Select eight hours from the following pairs of courses:                              |  |       |
| NSC 3311 & NSC 3111  | Cognition and Laboratory in Cognition  |       |
| NSC 3320 & NSC 3120  | Learning and Behavior and Laboratory in Learning and Behavior  |       |
| NSC 3323 & NSC 3123  | Sensation and Perception and Laboratory in Sensation and Perception                                  |       |
| Additional Courses   |  |       |
| Select six hours from the following: (course cannot count for multiple requirements) |  |       |
| NSC 3311   | Cognition  |       |
| NSC 3320   | Learning and Behavior  |       |
| NSC 3323   | Sensation and Perception   |       |
| NSC 3370   | Affective Neuroscience   |       |
| NSC 3375   | Sleep  |       |
| NSC 4312   | Behavioral Medicine  |       |
| NSC 4317   | Literature of Behavioral Neuroscience  |       |
| NSC 4371   | Advanced Research in Neuroscience  |       |
| NSC 4V96   | Special Topics in Neuroscience (only 3 hours may count toward the 6 hours required in this category) |       |

|  |   |    |
|--|---|----|
| Advanced Neuroscience  |   |    |
| Select eleven hours from the following:  |   |    |
| NSC 4319 & NSC 4119  | Clinical Neuroscience and Laboratory in Clinical Neuroscience                   |    |
| NSC 4330 & NSC 4130  | Advanced Principles of Neural Science and Advanced Laboratory in Neural Science |    |
| NSC 4356   | Neuropharmacology   |    |
| Additional Requirements  |   |    |
| A grade of “C” or better is required in all PSY and/or NSC courses used for the major. |   |    |
| Subtotal   |   | 32 |
| Required Courses in Other Fields   |   |    |
| A grade of “C” or better is required in each course.                                   |   |    |

|  |  |   |
|--|--|---|
| PSY 1305                               | Psychological Science: Understanding Human Behavior  | 3 |
| PSY 4400                               | Advanced Statistics I  | 4 |
| BIO 1305 & BIO 1105                    | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory                                       | 4 |
| BIO 1306 & BIO 1106                    | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory                            | 4 |
| CHE 1301 & CHE 1101                    | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I  | 4 |
| CHE 1302 & CHE 1102                    | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II                                      | 4 |
| MTH 1321                               | Calculus I   | 3 |
| STA 2381                               | Introductory Statistical Methods   | 3 |
| Select one of the following sequences: |  | 8 |
| PHY 1408 & PHY 1409                    | General Physics for Natural and Behavioral Sciences I and General Physics for Natural and Behavioral Sciences II |   |
| PHY 1420 & PHY 1430                    | General Physics I and General Physics II   |   |

**Total Hours****69**

## Religion

Our undergraduate program in religion invites students to inquire more deeply into the Christian faith, to gain an enhanced appreciation of the contributions of Christianity to the development of twenty-first century culture, and to prepare for life-long lay or career ministry.

We offer courses of study in Biblical Studies, Historical Studies, Theological Studies, Practical Studies, and World Religions. These courses are designed to be a part of a liberal arts curriculum. A major or minor in religion is recommended for students who are considering careers in pastoral ministry, missions, other church-related vocations, and the teaching of religion. The major or minor is also recommended for those pursuing other careers but who are interested in undergraduate studies in religion.

The student who majors or minors in religion should be aware of the opportunities provided by seminaries and divinity schools to reduce the time for a Master of Divinity degree. This may be done by accelerated programs or by receiving credit for courses taken at the baccalaureate level. Information on some of these opportunities is available in the office of Ministry Guidance.

### Recommendations Regarding Languages

Students interested in pursuing a post-baccalaureate seminary degree are encouraged to take courses in biblical languages. Courses in biblical languages may apply to University requirements for foreign languages or for electives but not toward a major in religion. Please refer to the index for information concerning the course offerings in Arabic, Aramaic, Greek, and Hebrew.

Students interested in pursuing graduate studies in religion at the doctoral level are encouraged to take German.

- Religion, B.A. (p. 233)
- Religion - Secondary Major (p. 234)

- Religion Minor (p. 235)
- Joint Bachelor of Arts in Religion/Master of Arts in Teaching (p. 235)

## Religion (REL)

### REL 1310 The Christian Scriptures (3)

An introduction to the Old and New Testaments (their contents, historical backgrounds, and major themes), and to appropriate strategies for interpretation of the Bible.

### REL 1350 The Christian Heritage (3)

Pre-requisite(s): REL 1310

An introduction to Christian life and thought, from the early church to the present, through an examination of great texts with an emphasis on Christian doctrine, ethics, witness and institutions.

### REL 2480 Introduction to Ministry (4)

Pre-requisite(s): REL 1310, 1350 and sophomore standing or above  
The church and its ministry, including leadership, and functions of ministry, with a special attention to the history, heritage, distinctive characteristics, and cooperative efforts of Baptists. Includes an internship under the supervision of an area minister.

### REL 3301 Psalms and Wisdom Literature (3)

Pre-requisite(s): REL 1310 and 1350

A study of the worship and wisdom literature of the Old Testament: the books of Psalms, Proverbs, Job, and Ecclesiastes.

### REL 3303 Archaeology and the Bible (3)

Cross-listed as ARC 3303

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

An introduction to Biblical archaeology with emphasis on the archaeological discoveries which relate significantly to the understanding and interpretation of the Bible.

### REL 3304 Prophets (3)

Pre-requisite(s): REL 1310 and 1350

A study of Old Testament prophecy emphasizing the prophetic books—their origins, times, and messages.

### REL 3305 Interpreting the Old Testament (3)

Pre-requisite(s): REL 1310 and 1350

Analysis of the literature of the Old Testament, examining various methods used in Old Testament study. Attention will be given to relevant bibliography, leading scholars, and major issues in current Old Testament study.

### REL 3307 Former Prophets (3)

Pre-requisite(s): REL 1310 and REL 1350

The Former Prophets (Joshua, Judges, 1 and 2 Samuel, and 1 and 2 Kings) as narrative, with attention to relevant historical, theological and literary issues.

### REL 3308 The Literature of the Pentateuch: Narrative, Poetry, Genealogy, and Law (3)

Pre-requisite(s): REL 1310 and 1350

The first five books of the Old Testament with attention to the Pentateuch's distinct literary forms, their historical and cultural contexts, and the intersecting visions of reality these texts offer.

### REL 3309 Advanced Biblical Hebrew I (3)

Pre-requisite(s): HEB 1302 or its equivalent

Selected readings in narrative prose of the Hebrew Bible with attention to advanced grammar and syntax.

**REL 3310 Advanced Biblical Hebrew II (3)**

Pre-requisite(s): HEB 2310 or REL 3309 or equivalent

Selected readings in poetic texts of the Hebrew Bible with attention to advanced grammar and syntax.

**REL 3311 Jesus and the Gospels (3)**

Pre-requisite(s): REL 1310 and 1350

A study of the portrayal of Jesus in the New Testament Gospels and an introduction to the question of "the historical Jesus."

**REL 3312 The Johannine Literature (3)**

Pre-requisite(s): REL 1310 and 1350

A study of the Johannine Literature with special attention to the historical setting, literary design, theological themes, and interpretations of the Gospel and Epistles of John.

**REL 3314 Paul and His Writings (3)**

Pre-requisite(s): REL 1310 and 1350

A study of the life and letters of the apostle Paul.

**REL 3315 The General Epistles (3)**

Pre-requisite(s): REL 1310 and 1350

A study of Hebrews, James, 1 and 2 Peter, Jude, and 1, 2, and 3 John.

**REL 3319 Interpreting the New Testament (3)**

Pre-requisite(s): REL 1310 and 1350

Analysis of literature of the New Testament, examining various methodologies, both historical and contemporary, in New Testament study. Attention will be given to relevant bibliography, leading scholars, and major issues in current New Testament study.

**REL 3320 Advanced Classical and Biblical Greek I (3)**

Pre-requisite(s): GKC 1302 or its equivalent

Selected readings from Plato and the Gospels with attention to advanced syntax and to the interpretive relationship between Classical and New Testament texts.

**REL 3321 Advanced Classical and Biblical Greek II (3)**

Pre-requisite(s): GKC 2320 or its equivalent

Readings in Homer's *Odyssey* with continued emphasis on Greek syntax and the interpretive relationship between Classical and New Testament texts.

**REL 3330 Introduction to Church History (3)**

Pre-requisite(s): REL 1310 and 1350

A survey of church history from New Testament times to the present.

**REL 3331 Topics in Historical Studies (3)**

Pre-requisite(s): REL 1310 and 1350

Major themes or movements in church history. The course may be repeated once with a different topic.

**REL 3333 History of Roman Catholicism (3)**

Pre-requisite(s): REL 1310 and 1350

Historical and theological developments of Roman Catholicism from the patristic period to the present. Special attention will be directed toward individuals, movements, and councils.

**REL 3338 Women in Christian History (3)**

Pre-requisite(s): REL 1310 and 1350

A survey of the role of women in Christian history from the early church to the present.

**REL 3339 Law and Religion in the United States (3)**

Cross-listed as CHS 3339, PHI 3339, PSC 3339

See PHI 3339 for course information.

**REL 3344 New Religious Movements in the United States (3)**

Pre-requisite(s): REL 1310 and 1350

The origin, development, and teachings of various New Religious Movements from a sociological, theological, phenomenological, and historical perspective.

**REL 3345 World Religions (3)**

Cross-listed as AST 3345

Pre-requisite(s): REL 1310 and 1350 or BIC 3358

Historical, aesthetic, philosophical, anthropological, sociological, and psychological approaches to the major faith traditions of our world.

**REL 3348 Hitler and the Holocaust (3)**

Cross-listed as HIS 3308

See HIS 3308 for course information.

**REL 3351 Introduction to Christian Theology (3)**

Pre-requisite(s): REL 1310 and 1350

Central doctrines of the Christian faith: revelation, the person and work of Jesus Christ, the Holy Spirit election, man, sin, Holy Scripture, and reconciliation. Classical and contemporary theological formulations will be used as illustrative material.

**REL 3352 Monks, Martyrs and Heretics in Early Christianity (3)**

Pre-requisite(s): REL 1310 and 1350

The emergence of doctrines and identity in earliest Christianity.

**REL 3353 Persecution and Martyrdom of Christians in Antiquity and Today (3)**

Pre-requisite(s): REL 1310 and REL 1350

Christian persecution and martyrdom with focus on earliest Christianity and the modern era.

**REL 3370 Religion and Literature (3)**

Cross-listed as ENG 3370

See ENG 3370 for course information.

**REL 3381 Communication in Ministry (3)**

Pre-requisite(s): REL 1310 and 1350

A study and practice of effective communication in ministry.

**REL 3382 Cross-Cultural Ministry (3)**

Pre-requisite(s): REL 1310 and REL 1350

Issues related to cross-cultural ministry and contemporary approaches for Christian missions.

**REL 3390 Christian Ethics (3)**

Pre-requisite(s): REL 1310 and 1350

Introduction to Christian Ethics through texts from Christian thinkers. By examining primary sources and varied approaches to Christian ethical reflection, students develop critical assessments of contemporary moral issues including family life, economic systems, and violence and war.

**REL 3391 Global Ethics (3)**

Pre-requisite(s): REL 1310, 1350

The major theoretical and applied debates in the field of global ethics (ethics in global context, approached using a variety of methodologies, including but not limited to traditional Christian ethical approaches).

**REL 3394 War and Peace in the Christian Tradition (3)**

Pre-requisite(s): REL 1310 and 1350

An examination of relevant Biblical materials and their interpretation and application throughout Christian history. An analysis of three major historical positions; pacifism, just war, and crusade, and an examination of contemporary expressions in scholarship, public policy, and popular thought.

**REL 3396 Christianity and Films (3)**

Pre-requisite(s): REL 1310 and 1350

Film viewing and critiquing of films from an ethical-theological perspective. This course will not be accepted for credit toward the six hour religion requirement by the university.

**REL 3397 Gender, Feminism and Theology (3)**

Pre-requisite(s): REL 1310 and 1350

Christian theology through the lenses of gender and feminism, including questions, critiques, and arguments of feminist theologians.

**REL 3V00 Biblical Heritage and Contemporary Society in the Holy Land (1-3)**

Cross-listed as MES 3V00

Pre-requisite(s): REL 1310 and 1350

A tour and intensive study of the Holy Land, focusing on geography, biblical heritage, and how that heritage influences contemporary Jewish/Palestinian issues. May not be repeated.

**REL 3V02 Undergraduate Research/Experiential Learning (1-3)**

Pre-requisite(s): REL 1310 and REL 1350

Supervised undergraduate research or experiential learning in the field of religion. The course may be repeated for up to three semester hours of credit.

**REL 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**REL 4300 Special Topics in Religion (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

Special topics of study in the discipline of religion, especially in areas not covered in the regular curriculum. The course may be repeated once when content differs.

**REL 4302 Archaeology and the Ancient Near East (3)**

Cross-listed as ARC 4302

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

Ancient Near East, its history, culture, and religion as evidenced through archaeological excavation and the interpretation of archaeological data. The focus of the course will be upon the Biblical period.

**REL 4303 Aramaic (3)**

Cross-listed as ARA 4303

See ARA 4303 for course information.

**REL 4304 Syriac (3)**

Cross-listed as SYR 4304

Pre-requisite(s): REL 1310, 1350 and Upper-level standing

Introduction to ancient Syriac with selected readings from Syriac manuscripts of biblical books as well as early Christian literature.

**REL 4305 Topics in Old Testament Studies (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

A designated book, group of books, or major theme from the Old Testament. The course may be taken up to three times when content differs.

**REL 4315 Topics in New Testament Studies (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

A designated book, group of books, or major theme from the New Testament. The course may be taken up to three times when content differs.

**REL 4316 Readings in the Greek New Testament and Early Christian Literature (3)**

Pre-requisite(s): GKC 2310 and 2320 or REL 3320 and 3321

Language and literature of the New Testament and other early Christian writings including sample texts from a variety of early Christian genres (epistles, narratives, apocalyptic, etc.).

**REL 4317 Early Christianity and Identity in the Roman World (3)**

Pre-requisite(s): REL 1310, 1350; and upper-level standing

The study of the rise of early Christianity and the complexity of Christian identity in the Roman world.

**REL 4333 History of Protestantism (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

History of Protestant Christianity from the precursors of Martin Luther to the present with emphasis upon the sixteenth-century Reformation, the various confessional traditions and major theological issues, the major developments affecting modern Protestantism, and the present state and future of Protestantism. The study will focus on Europe and North America.

**REL 4335 Baptist Life and Thought (3)**

Pre-requisite(s): REL 1310, 1350 and upper-level standing

Baptist history and thought to the present, including the outreach of Baptist missions. The development of basic doctrine and polity within their historical settings, with special attention to biographies of important Baptist men and women.

**REL 4336 Introduction to Religion in America (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

American religious heritage with emphasis on its organization, expansion, thought, worship, and impact on American society.

**REL 4337 The European Reformation (3)**

Pre-requisite(s): REL 1310 and 1350

The theology and historical context of the Magisterial, Radical, and Catholic sixteenth-century European Reformation.

**REL 4338 Women in Religion in America (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

The role of women in religion in America from colonial times to the present.

**REL 4340 Christian Missions (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

Biblical basis for missions, the expansion of Christianity, the encounter with non-Christian traditions, and contemporary rationales for Christian missions.

**REL 4341 World Christianity (3)**

Pre-requisite(s): REL 1310 and 1350

Theologies and practices of Christian communities in Africa, Asia, Latin America and the Caribbean, and among immigrant Christian communities in the US and Europe, including cross-cultural encounters, inter-religious dialogue, global south Christian spirituality, and health and environmental issues.

**REL 4342 Christianity and the World Religions (3)**

Pre-requisite(s): REL 1310 and 1350

The exchange and encounter between Christianity and the major world religions. Focus on religious worldviews, major events, religious and political trends, the history of missions, and a post-colonial critique of religious pluralism.



**REL 4343 Topics in Islam (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
The tenets, doctrines, and sects of Islam, including the religious underpinnings of Islamic society. Field trip required. The course may be repeated once with a different topic.

**REL 4346 Topics in Asian Religions (3)**

Cross-listed as AST 4346

Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
The basic history, beliefs and practices of religions in Asia. Course may highlight a specific religious tradition. The course may be repeated once with different topic.

**REL 4347 Topics in African Religions (3)**

Pre-requisite(s): REL 1310 and 1350

History of religious expression in Africa plus contemporary changes as African religious traditions interact. With content changed, this course may be repeated once for a maximum of 6 semester hours.

**REL 4348 Modern Judaism (3)**

Pre-requisite(s): REL 1310, 1350 and upper-level standing

Trends in 20th Century in Jewish thought, including Zionism, post-Holocaust thought, movements of Jewish renewal, and ecumenical relations.

**REL 4349 The World's Religions and Violence (3)**

Pre-requisite(s): REL 1310 and 1350

Modern violence (particularly war, atrocity, and genocide) and how the religious traditions of Judaism, Christianity, Islam, Hinduism, Buddhism, Shinto, Sikhism, Jainism, and Zoroastrianism understand, challenge, and participate in it.

**REL 4350 Augustine's Theological Development (3)**

Cross-listed as CLA 4350

Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
Selected writings of Augustine that focus on such themes as the problem of evil, scriptural hermeneutics, his theological anthropology, and his Trinitarian theology.

**REL 4355 Salvation (3)**

Pre-requisite(s): REL 1310 and 1350

Development of the doctrine of Salvation through the centuries, including theories of atonement, models of salvation, and how they function in the contemporary church.

**REL 4356 Christian Persecution and Martyrdom in the Roman World (3)**

Cross-listed as CLA 4356

See CLA 4356 for course information.

**REL 4357 Pagans and Christians in the Later Roman World (3)**

Cross-listed as CLA 4357

See CLA 4357 for course information.

**REL 4374 Leadership in Ministry (3)**

Pre-requisite(s): REL 1310, 1350 and upper-level standing

The principles and models of effective leadership in ministry.

**REL 4388 Christian Literary Classics (3)**

Cross-listed as ENG 4388

Pre-requisite(s): REL 1310 and 1350; and upper level standing  
A study of the various ways in which theological and imaginative excellence is displayed in such classic Christian authors as Augustine, Dante, Herbert, Bunyan, and Hopkins.

**REL 4389 Disability Ethics (3)**

Pre-requisite(s): REL 1310 and 1350

Disability ethics, a unique field within in Christian ethics/theology, focuses on helping students understand various aspects of disability, what it has to teach Christians about God and one another, and how to include people with disabilities in worshipping communities.

**REL 4390 Contemporary Christian Ethics Theory (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

Designated theme, issue, or person in contemporary Christian ethical theory. The course may be taken up to three times when content differs.

**REL 4393 Environmental Ethics (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

Moral perspectives which inform and support environmental activity in our society. The primary focus will be on the various interpretations of how humanity is properly related to its environment and the consequences of these interpretations for the environmental action of individuals and social institutions.

**REL 4395 Bioethics (3)**

Pre-requisite(s): REL 1310 and 1350 or BIC 3358; and upper level-standing

Ethical issues in the fields of health care and other life sciences. Some of the issues studied include behavior modification, abortion, euthanasia, health care delivery, human experimentation, and genetic modification. A major research project on a selected issue approved by the professor will be required of each student.

**REL 4396 Religion and Sport (3)**

Cross-listed as HP 4396

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

This course explores the relationship between religion and sport, focusing on the issues of the sacred (persons, objects, time, space, communities), myth, theology, ritual, and experience. This course will not be accepted for credit toward a major or minor in religion or toward the six hour religion requirement by the University.

**REL 4397 Race, Racism, and Religion in America (3)**

Pre-requisite(s): REL 1310, REL 1350; and upper-level standing

Survey of dominant theological perspectives on race and histories of racism in American Christianity, as well as religious resources for racial reconciliation.

**REL 4398 Sports-Related Ethics (3)**

Cross-listed as HP 4398

See HP 4398 for course information.

**REL 4399 Senior Seminar (3)**

Pre-requisite(s): Senior standing

A senior level course required of all students majoring in religion. The seminar provides opportunity for reflection on the various disciplines and their interconnectedness in religious studies through assigned reading and directed research.

**REL 4V06 Palestinian Archaeology (1-6)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

Archaeology of Palestine through readings, lectures, travel to excavated sites in Palestine, and participation in excavation at a selected site of major importance in Palestine. May be repeated once for credit.

**REL 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.



## Religion, B.A.

### Requirements for a Major in Religion

| Code   | Title                              | Hours     |
|--|------------------------------------|-----------|
| Thirty semester hours including the following:   |                                    |           |
| <b>Required Courses</b>  |                                    |           |
| REL 3305   | Interpreting the Old Testament     | 3         |
| or REL 3319  | Interpreting the New Testament     |           |
| REL 3330   | Introduction to Church History     | 3         |
| REL 3351   | Introduction to Christian Theology | 3         |
| or REL 3390  | Christian Ethics                   |           |
| REL 3345   | World Religions                    | 3         |
| REL 4399   | Senior Seminar                     | 3         |
| Six additional semester hours of REL courses, three of which must be at the 4000-level                               |                                    | 6         |
| <b>Concentrations</b>  |                                    |           |
| Select nine semester hours from <b>one</b> of the following concentrations:  |                                    | 9         |
| Bible (p. 233)   |                                    |           |
| Biblical and Related Languages (p. 234)  |                                    |           |
| History (p. 233)   |                                    |           |
| Practical Studies (p. 234)   |                                    |           |
| Theology and Ethics (p. 233)   |                                    |           |
| World Religions (p. 234)   |                                    |           |
| A grade of C- or better in REL courses used for the major and a cumulative GPA of 2.0 or higher for all REL courses. |                                    |           |
| <b>Total Hours</b>   |                                    | <b>30</b> |

<sup>1</sup> REL 1310 The Christian Scriptures and REL 1350 The Christian Heritage will not apply here.

## Religion Concentration

### Bible

| Code  | Title   | Hours |
|---|---|-------|
| <b>Concentration Requirements</b>               |   |       |
| Nine semester hours including the following:    |   |       |
| Select three semester hours from the following: |   | 3     |
| REL 4302  | Archaeology and the Ancient Near East                                   |       |
| REL 4305  | Topics in Old Testament Studies   |       |
| REL 4315  | Topics in New Testament Studies   |       |
| REL 4317  | Early Christianity and Identity in the Roman World                      |       |
| Select six semester hours from the following:   |   | 6     |
| REL 3301  | Psalms and Wisdom Literature  |       |
| REL 3303  | Archaeology and the Bible   |       |
| REL 3304  | Prophets  |       |
| REL 3307  | Former Prophets   |       |
| REL 3308  | The Literature of the Pentateuch: Narrative, Poetry, Genealogy, and Law |       |
| REL 3311  | Jesus and the Gospels   |       |
| REL 3312  | The Johannine Literature  |       |
| REL 3314  | Paul and His Writings   |       |

|                    |  |          |
|--------------------|--|----------|
| REL 3315           | The General Epistles                               |          |
| REL 4302           | Archaeology and the Ancient Near East              |          |
| REL 4305           | Topics in Old Testament Studies                    |          |
| REL 4315           | Topics in New Testament Studies                    |          |
| REL 4317           | Early Christianity and Identity in the Roman World |          |
| <b>Total Hours</b> |  | <b>9</b> |

## Religion Concentration

### Theology & Ethics

| Code  | Title   | Hours    |
|---|---|----------|
| <b>Concentration Requirements</b>               |   |          |
| Nine semester hours including the following:    |   |          |
| REL 3351  | Introduction to Christian Theology <sup>1</sup>   | 3        |
| or REL 3390                                     | Christian Ethics                                  |          |
| Select three semester hours from the following: |   | 3        |
| REL 4350  | Augustine's Theological Development               |          |
| REL 4355  | Salvation   |          |
| REL 4388  | Christian Literary Classics                       |          |
| REL 4389  | Disability Ethics                                 |          |
| REL 4390  | Contemporary Christian Ethics Theory              |          |
| REL 4393  | Environmental Ethics                              |          |
| REL 4395  | Bioethics   |          |
| REL 4397  | Race, Racism, and Religion in America             |          |
| Select three semester hours from the following: |   | 3        |
| REL 3352  | Monks, Martyrs and Heretics in Early Christianity |          |
| REL 3370  | Religion and Literature                           |          |
| REL 3391  | Global Ethics                                     |          |
| REL 3394  | War and Peace in the Christian Tradition          |          |
| REL 3397  | Gender, Feminism and Theology                     |          |
| REL 4350  | Augustine's Theological Development               |          |
| REL 4355  | Salvation   |          |
| REL 4388  | Christian Literary Classics                       |          |
| REL 4389  | Disability Ethics                                 |          |
| REL 4390  | Contemporary Christian Ethics Theory              |          |
| REL 4393  | Environmental Ethics                              |          |
| REL 4395  | Bioethics   |          |
| REL 4397  | Race, Racism, and Religion in America             |          |
| <b>Total Hours</b>                              |   | <b>9</b> |

<sup>1</sup> Select the course not taken in the required courses for the major.

## Religion Concentration

### History

| Code  | Title                    | Hours |
|---|--------------------------|-------|
| <b>Concentration Requirements</b>               |                          |       |
| Nine semester hours including the following:    |                          |       |
| Select three semester hours from the following: |                          | 3     |
| REL 4333  | History of Protestantism |       |

|   |  |   |
|---|--|---|
| REL 4335                                      | Baptist Life and Thought                     |   |
| REL 4336                                      | Introduction to Religion in America          |   |
| REL 4337                                      | The European Reformation                     |   |
| REL 4338                                      | Women in Religion in America                 |   |
| REL 4340                                      | Christian Missions                           |   |
| REL 4341                                      | World Christianity                           |   |
| Select six semester hours from the following: |  | 6 |
| REL 3331                                      | Topics in Historical Studies                 |   |
| REL 3333                                      | History of Roman Catholicism                 |   |
| REL 3338                                      | Women in Christian History                   |   |
| REL 3344                                      | New Religious Movements in the United States |   |
| REL 4333                                      | History of Protestantism                     |   |
| REL 4335                                      | Baptist Life and Thought                     |   |
| REL 4336                                      | Introduction to Religion in America          |   |
| REL 4337                                      | The European Reformation                     |   |
| REL 4338                                      | Women in Religion in America                 |   |
| REL 4340                                      | Christian Missions                           |   |
| REL 4341                                      | World Christianity                           |   |
| Total Hours                                   |  | 9 |

## Religion Concentration Practical Studies

| Code  | Title                     | Hours |
|---|---------------------------|-------|
| Concentration Requirements                    |                           |       |
| Nine semester hours including the following:  |                           |       |
| REL 4340                                      | Christian Missions        | 3     |
| or REL 4374                                   | Leadership in Ministry    |       |
| Select six semester hours from the following: |                           | 6     |
| REL 2480                                      | Introduction to Ministry  |       |
| REL 3381                                      | Communication in Ministry |       |
| REL 3382                                      | Cross-Cultural Ministry   |       |
| Total Hours                                   |                           | 9     |

## Religion Concentration World Religions

| Code   | Title                                | Hours |
|--|--------------------------------------|-------|
| Concentration Requirements                     |                                      |       |
| Select nine semester hours from the following: |                                      | 9     |
| REL 4342                                       | Christianity and the World Religions |       |
| REL 4343                                       | Topics in Islam                      |       |
| REL 4346                                       | Topics in Asian Religions            |       |
| REL 4347                                       | Topics in African Religions          |       |
| REL 4348                                       | Modern Judaism                       |       |
| REL 4349                                       | The World's Religions and Violence   |       |
| Total Hours                                    |                                      | 9     |

## Religion Concentration Biblical and Related Languages

| Code   | Title  | Hours |
|--|--|-------|
| Concentration Requirements                               |  |       |
| Nine semester hours including the following:             |  |       |
| Select one of the following pairs of six semester hours: |  | 6     |
| REL 3309 & REL 3310                                      | Advanced Biblical Hebrew I and Advanced Biblical Hebrew II                           |       |
| REL 3320 & REL 3321                                      | Advanced Classical and Biblical Greek I and Advanced Classical and Biblical Greek II |       |
| Select three semester hours from the following:          |  | 3     |
| REL 4303   | Aramaic  |       |
| REL 4304   | Syriac   |       |
| REL 4315   | Topics in New Testament Studies (when topic is appropriate)                          |       |
| Total Hours  |  | 9     |

## Religion - Secondary Major Requirements for a Secondary Major in Religion

| Code   | Title                              | Hours |
|--|------------------------------------|-------|
| Thirty semester hours including the following:   |                                    |       |
| Required Courses   |                                    |       |
| REL 3305   | Interpreting the Old Testament     | 3     |
| or REL 3319  | Interpreting the New Testament     |       |
| REL 3330   | Introduction to Church History     | 3     |
| REL 3351   | Introduction to Christian Theology | 3     |
| or REL 3390  | Christian Ethics                   |       |
| REL 3345   | World Religions                    | 3     |
| REL 4399   | Senior Seminar                     | 3     |
| Six additional semester hours of REL courses, three of which must be at the 4000-level                               |                                    | 6     |
| Concentrations   |                                    |       |
| Select nine semester hours from <b>one</b> of the following concentrations:  |                                    | 9     |
| Bible (p. 233)   |                                    |       |
| Biblical and Related Languages (p. 234)  |                                    |       |
| History (p. 233)   |                                    |       |
| Practical Studies (p. 234)   |                                    |       |
| Theology and Ethics (p. 233)   |                                    |       |
| World Religions (p. 234)   |                                    |       |
| A grade of C- or better in REL courses used for the major and a cumulative GPA of 2.0 or higher for all REL courses. |                                    |       |
| Total Hours  |                                    | 30    |

<sup>1</sup> REL 1310 The Christian Scriptures and REL 1350 The Christian Heritage will not apply here.

## Religion Minor

### Requirements for a Minor in Religion

| Code   | Title                    | Hours     |
|--|--------------------------|-----------|
| Eighteen semester hours including the following:   |                          |           |
| <b>Required Courses</b>  |                          |           |
| REL 1310   | The Christian Scriptures | 3         |
| REL 1350   | The Christian Heritage   | 3         |
| Twelve semester hours of REL courses, nine of which must be at the 3000-4000 level                                   |                          | 12        |
| A grade of C- or better in REL courses used for the minor and a cumulative GPA of 2.0 or higher for all REL courses. |                          |           |
| <b>Total Hours</b>   |                          | <b>18</b> |

Note: REL 2480 Introduction to Ministry is required of ministry scholarship recipients. Ministry students are encouraged to choose REL 2480 Introduction to Ministry (if required for scholarships) or one of the other Practical Studies courses as their elective course in the minor.

## Joint Bachelor of Arts in Religion/ Master of Arts in Teaching (with Teacher Certification)

To earn the joint BA/MAT in Religion, a student must complete all basic requirements for the BA degree with a major in the Department of Religion, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission)

## Science Research Fellows

The Science Research Fellows major in the College of Arts & Sciences aims to develop a research-rich curriculum that prepares students in multiple aspects of scientific inquiry and place them in research labs by the fall of their sophomore year, where the student will continue to conduct research until they finish their degree. Because of the heavy emphasis on research, Science Research Fellows are exempt from most core curriculum requirements. Recognizing the importance of a broad undergraduate education, Science Research Fellows are strongly encouraged to take a rich variety of liberal arts courses.

### Admission to the Program

Students will be able to apply to the Science Research Fellows once they have committed to Baylor University by:

1. Submitting an application online.
2. Answer 4 essay questions on why the Science Research Fellows major is a good fit.
3. Provide two letters of recommendation from high school teachers (at least one from a science teacher) to be sent to the Science Fellows Program Director.

### Maintaining Science Research Fellows Status

To remain in and graduate from the program, Science Research Fellows must demonstrate satisfactory progress defined as maintaining an overall GPA of 3.5, performing satisfactorily in their research, comporting themselves with the utmost honesty and integrity, and earning a grade of

B or better in all SRF courses and all science courses from ANT, BIO, CHE, ENV, GEO, PHY, and PSY. If released from the program, students must then fulfill the general requirements of the university in addition to the requirements for a major.

## Degree Requirements

The requirement for minimum hours for the degree, advanced credit, and residence are the same as for the Bachelor of Science degree.

| Code   | Title  | Hours     |
|--|--|-----------|
| <b>Basic Requirements</b>  |  |           |
| <i>Chapel</i>  |  |           |
| Two semesters of Chapel  |  |           |
| <i>Common Courses</i>  |  |           |
| REL 1310   | The Christian Scriptures   | 3         |
| REL 1350   | The Christian Heritage   | 3         |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3         |
| <i>English</i>   |  |           |
| PWR 3300   | Technical Writing  | 3         |
| <i>Formal Reasoning</i>  |  |           |
| MTH 1321   | Calculus I   | 3         |
| MTH 1322<br>or STA 2381  | Calculus II <sup>1</sup><br>Introductory Statistical Methods                     | 3         |
| <b>Subtotal</b>  |  | <b>18</b> |
| <b>Science Research Fellows Requirements</b>   |  |           |
| SRF 1306   | Research Techniques I  | 3         |
| SRF 1307   | Research Techniques II   | 3         |
| SRF 4101   | Senior Research Seminar I  | 1         |
| SRF 4102   | Senior Research Seminar II   | 1         |
| Complete eight additional hours of SRF courses   |  | 8         |
| Twenty-one semester hours of 3000-4000 level science courses from the following prefixes: ANT, BIO, CHE, ENV, GEO, NSC, PHY, or PSY <sup>2, 3, 4</sup> |  | 21        |
| <b>Total Hours</b>   |  | <b>55</b> |

<sup>1</sup> or an additional mathematics or statistics course that has MTH 1321 Calculus I as a prerequisite

<sup>2</sup> Students must pass these courses with a grade of "B" or better.

<sup>3</sup> The following ANT courses count toward this requirement: ANT 3331/FORS 3331, ANT 4314, ANT 4330, ANT 4333, ANT 4335, ANT 4340, ANT 4348, ANT 4355/FORS 4355, ANT 4358, ANT 4365, ANT 4371, ANT 4372, ANT 4380, ANT 4690, ANT 4V16, ANT 4V17, and ANT 4V70.

<sup>4</sup> The following courses **cannot** count toward this requirement: CHE 3341, CHE 4327, ENV 3300, ENV 3303, ENV 3320, ENV 4306, ENV 4307, ENV 4310, ENV 4323, ENV 4327, ENV 4330, ENV 4331, ENV 4350, ENV 4351, ENV 4362, ENV 4369, ENV 4389, ENV 4393, ENV 4394, ENV 4410, GEO 3325, GEO 4313, GEO 4314, GEO 4487, PHY 3305, PSY 3321, and PSY 3341.

For Science Research Fellows in the Baylor Interdisciplinary Core, BIC courses will substitute for the following required courses: PWR 3300 Technical Writing and PSC 1387 The U.S. Constitution, Its Interpretation, and the American Political Experience. BIC 3358 Examined Life II: Biblical Heritage and Contemporary Ethical Issues will substitute for REL 1310 The Christian Scriptures and REL 1350 The Christian Heritage. All other

Science Research Fellows and BIC requirements must be fulfilled. For BIC, this includes completion of designated course requirements on the B.S. degree for the language and culture requirement, formal reasoning requirement, and four Creative Arts Experiences, in addition to the rest of the BIC curriculum.

## Science Research Fellows (SRF)

### SRF 1306 Research Techniques I (3)

Pre-requisite(s): Science Research Fellows major

The scientific process and common techniques and instrumentation used in biology, neuroscience and psychology research labs, including scientific literacy, data analysis and interpretation, and the breadth of scientific exploration.

### SRF 1307 Research Techniques II (3)

Pre-requisite(s): Science Research Fellows major

Techniques and instrumentation for chemistry and biochemistry research labs; toxicology as it applies to all science disciplines.

### SRF 3V90 Research Problems in Science (1-4)

Pre-requisite(s): SRF 1307 and Science Research Fellows major

Research project conducted under the supervision of a science research faculty member. Techniques and overall goals of the research group, including the details of a particular research project. This course may be repeated for a maximum of 8 total hours if research continues.

### SRF 4101 Senior Research Seminar I (1)

Pre-requisite(s): Upper-level standing and Science Research Fellows major

Lab work and data analysis in preparation for presentation and possible publication, supervised by a faculty member.

### SRF 4102 Senior Research Seminar II (1)

Pre-requisite(s): Upper-level standing and Science Research Fellows major

Presentation of research in a formal oral presentation to faculty and SRF peers, supervised by a faculty member.

### SRF 4V90 Senior Research Problems in Science (1-4)

Pre-requisite(s): SRF 3V90 and Science Research Fellows major

Independent research project as determined by the faculty research advisor. Students will collect enough scientific data for publication. This course may be repeated for a maximum of 12 total hours if research continues.

## Sociology

Sociology means the study of society, or of social things. It is a scientific approach to understanding human groups and human interaction. From families to neighborhoods to nation-states, human life is spent in the company of others. The theories and methods of sociology provide a means to analyze the social nature of human existence. Training in sociology is useful preparation for careers in business, law, government, ministry, medicine and many more.

- Sociology, B.A. (p. 238)
- Sociology (Sociology and Health), B.A. (p. 238)
- Sociology - Secondary Major (p. 238)
- Sociology Minor (p. 238)

### Note:

Students **cannot** declare a Sociology primary major after earning 90 hours in residence.

## Sociology (SOC)

### SOC 1305 Introduction to Sociology (3)

An introductory survey course including basic concepts in the field of sociology, the relationship of the individual to culture, groups, and major social institutions. Particular attention is given to an examination of contemporary social issues through a sociological lens.

### SOC 1306 Social Problems (3)

An analysis of current social problems with emphasis on sociological aspects of problems in education, family life, religion, and other social institutions.

### SOC 3305 Introduction to Gerontology (3)

Cross-listed as GRT 3305, SWO 3305

An examination of aging in relation to sociology, psychology, biology, law, political science, literature, religion, recreation, and health. Special emphasis is placed on seeking ways to improve the quality of life for persons over thirty-five.

### SOC 3309 Religion and Society (3)

Historical and contemporary issues concerning the complex relationship of religion and society; and religion's propensity to alternately legitimate the status quo and promote social change.

### SOC 3311 The Sociology of Race and Ethnicity (3)

Dynamics of race and ethnicity and their interrelationship in society.

### SOC 3318 Mexican-Americans in U.S. Society (3)

Race relations theories are applied in the analysis of Mexican-American history, education, acculturation economics, identification, politics, and strategies for social change.

### SOC 3322 City and Community (3)

Relationship of social structure, inequality, and social patterns to human settlement in urban and rural areas.

### SOC 3330 Women in American Society (3)

Pre-requisite(s): SOC 1305 or 1306 or consent of instructor

An examination of the sociological meaning of women's roles in comparison with men's roles in our society, along with social forces that mold the lives of women. The women's movement and changes in the legal, economic, social, educational, and political arenas as they affect women are investigated. The status of women in the context of contemporary society is explored.

### SOC 3354 Marriage and the Family (3)

Contemporary family lifestyles are presented from a sociopsychological viewpoint with stress on personal awareness, growth, and satisfaction in interpersonal relations. Topics include dating, mate selection, communication, sexual adjustment, parenting, cohesion and adaptability, and divorce.

### SOC 3355 Introduction to the Economics of Poverty and Discrimination (3)

Cross-listed as ECO 3355

See ECO 3355 for course information.

### SOC 3360 Juvenile Delinquency (3)

Pre-requisite(s): SOC 1305 A study of delinquency in a changing society, with emphasis on social causes and methods of control

### SOC 3365 Population Geography (3)

Pre-requisite(s): Upper-level standing; or consent of instructor

Population patterns, emphasizing fertility, mortality, and migrations in various regions.

**SOC 3372 Population Health (3)**

Analysis and evaluation of socioeconomic status, gender, race, ethnicity, and age as major determinants of individual differences in health and well-being in the United States.

**SOC 3402 Social Statistics (4)**

Cross-listed as ANT 3402

Pre-requisite(s): One course in the formal reasoning distribution list (MTH 1301, MTH 1320, MTH 1321, PHI 1306, or STA 1380) and SOC 1305, ANT 1306, or ANT 1404

An introduction to descriptive and inferential statistics for social science majors. Development of skills in research data analysis.

**SOC 4303 Applied Sociology (3)**

Pre-requisite(s): SOC 1305, 3402 and consent of instructor

Field experience in applied social research: theory construction, population and sample identification, data collection, statistical analysis, and research report presentation.

**SOC 4309 Social Psychology (3)**

Causes and the effects of human interaction. The importance of others in determining one's perception, attitudes, motivation, pattern of communication, and behavior-such as altruism, affiliation, aggression, conformity, and achievement is examined.

**SOC 4310 Death and Dying (3)**

Significant issues in the rapidly growing field of death awareness. Specifically, the interactions between the dying individual, family, friends, and professionals are analyzed in terms of process. Major emphasis is placed on the social aspects of dying and the different settings in which deaths occur.

**SOC 4311 Sociology of Sport (3)**

Cross-listed as HP 4372

See HP 4372 for course information.

**SOC 4315 Sociology of Education (3)**

Structure and functioning of the social organization of the school in light of the goals to be achieved. The interrelationships of education with other institutions will be examined. Consideration will also be given to social psychological processes as they operate in the school setting.

**SOC 4320 Culture, Personality and Identity (3)**

Cross-listed as ANT 4320

See ANT 4320 for course information.

**SOC 4322 Stratification in Society (3)**

Various forms, effects, and origins, of systems of distribution of social resources. Focus on economics, power, status, and identity.

**SOC 4325 Sociology of Religion (3)**

Ways in which religion influences society, culture, and personality and, conversely, how the latter affect religion.

**SOC 4331 Social Demography (3)**

Cross-listed as ENV 4331

Statistical study of human populations, including human population, size, growth, density, and distribution.

**SOC 4335 Sociology of Law (3)**

Pre-requisite(s): Upper-level standing

A sociological examination of the role of law in society with an emphasis on the relationship between law and other social institutions and how our legal system attempts to solve particular social problems.

**SOC 4340 Ethnicity and Aging (3)**

Cross-listed as GRT 4340, SWO 4340

See SWO 4340 for course information.

**SOC 4352 Criminology (3)**

Pre-requisite(s): SOC 1305

Crime, criminals, and the correctional system in America. Emphasis is given to the effects of crime on the social order.

**SOC 4353 Sociology of Medicine (3)**

Pre-requisite(s): Upper-level standing; or consent of instructor

A sociological examination of health, illness, and the social organization of medical care in the United States. Consideration is given to race, class, gender, and age as factors influencing health, illness, and the delivery of medical care.

**SOC 4355 Economics of Poverty and Discrimination (3)**

Cross-listed as ECO 4355

See ECO 4355 for course information.

**SOC 4357 Health Inequalities in America (3)**

Pre-requisite(s): SOC 1305 and upper-level standing, or consent of instructor This course is designed to inform students about the ever-changing distribution of health across race/ethnicity, gender, age, region, and other demographic indicators

**SOC 4360 Social Problems in Modern Society (3)**

Pre-requisite(s): SOC 1305 and upper-level standing or consent of instructor

Sociological perspective on defining "social problems" for the United States, examining their causes and consequences, and possible solutions. Includes case studies of contemporary issues, such as income inequality, violence, health disparities, and climate change.

**SOC 4366 Social Movements (3)**

Contemporary social change as an outcome of the economic, political, and social processes involved in the development of post-industrial society.

**SOC 4381 Methods of Social Research (3)**

Pre-requisite(s): SOC 1305, 3402; and three semester hours of mathematics

Basic methods and techniques used in social research.

**SOC 4391 Social Theory (3)**

Pre-requisite(s): Senior status and SOC 1305, 3402, and 4381, or consent of instructor

Social theory from its origins in philosophy to current efforts at theory construction. Particular schools are critically evaluated, and recent convergences in social anthropology, sociology, and social psychology are noted.

**SOC 4393 Sociology of Aging (3)**

Cross-listed as GRT 4393, SWO 4393

See SWO 4393 for course information.

**SOC 4395 Aging and Mental Health (3)**

Cross-listed as GRT 4395, SWO 4395

See SWO 4395 for course information.

**SOC 43C9 Senior Colloquium (3)**

Pre-requisite(s): SOC 1305, 3402, 4381, 4391 and senior standing  
Culminating course integrating methods, theory, and topical knowledge of sociology. Special emphasis on the application of sociology into post-graduate life.



**SOC 4V70 Special Topics in Sociology (1-3)**

Pre-requisite(s): SOC 1305, upper-level standing, and consent of instructor; SOC majors only

Designed for students who wish to study with a professor in an area of sociology not covered by regular course offerings. Students will contract with professor regarding study and number of semester hours. May be repeated for credit up to a total of six semester hours, provided topic is different. For sociology majors with upper-level standing only.

**SOC 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**Sociology, B.A.**

**Requirements for a Major in Sociology**

| Code   | Title                      | Hours     |
|--|----------------------------|-----------|
| Thirty-four semester hours including the following:                            |                            |           |
| <b>Required Courses</b>  |                            |           |
| SOC 1305   | Introduction to Sociology  | 3         |
| SOC 3402   | Social Statistics          | 4         |
| SOC 4381   | Methods of Social Research | 3         |
| SOC 4391   | Social Theory              | 3         |
| SOC 43C9   | Senior Colloquium          | 3         |
| Eighteen additional semester hours of 3000–4000 level SOC courses <sup>1</sup> |                            | 18        |
| <b>Total Hours</b>   |                            | <b>34</b> |

<sup>1</sup> Only one course from SOC 3360 Juvenile Delinquency or SOC 4352 Criminology can apply on this requirement.

**Sociology (Sociology and Health), B.A.**

**Requirements for a Major in Sociology (Sociology and Health)**

| Code  | Title                          | Hours     |
|---|--------------------------------|-----------|
| Thirty-four semester hours including the following:                       |                                |           |
| <b>Required Courses</b>   |                                |           |
| SOC 1305  | Introduction to Sociology      | 3         |
| SOC 3402  | Social Statistics              | 4         |
| SOC 4381  | Methods of Social Research     | 3         |
| SOC 4391  | Social Theory                  | 3         |
| SOC 43C9  | Senior Colloquium              | 3         |
| SOC 3372  | Population Health              | 3         |
| SOC 4353  | Sociology of Medicine          | 3         |
| SOC 4357  | Health Inequalities in America | 3         |
| SOC 4393  | Sociology of Aging             | 3         |
| Six additional semester hours of 3000-4000 level SOC courses <sup>1</sup> |                                | 6         |
| <b>Total Hours</b>  |                                | <b>34</b> |

<sup>1</sup> Only one course from SOC 3360 Juvenile Delinquency or SOC 4352 Criminology can apply on this requirement.

**Sociology - Secondary Major**

**Requirements for a Secondary Major in Sociology**

| Code   | Title                      | Hours     |
|--|----------------------------|-----------|
| Thirty-four semester hours including the following:                            |                            |           |
| <b>Required Courses</b>  |                            |           |
| SOC 1305   | Introduction to Sociology  | 3         |
| SOC 3402   | Social Statistics          | 4         |
| SOC 4381   | Methods of Social Research | 3         |
| SOC 4391   | Social Theory              | 3         |
| SOC 43C9   | Senior Colloquium          | 3         |
| Eighteen additional semester hours of 3000–4000 level SOC courses <sup>1</sup> |                            | 18        |
| <b>Total Hours</b>   |                            | <b>34</b> |

<sup>1</sup> Only one from SOC 3360 Juvenile Delinquency or SOC 4352 Criminology can apply on this requirement. Courses in anthropology and social work do not apply toward a secondary major in sociology.

**Sociology Minor**

**Requirements for a Minor in Sociology**

| Code   | Title                     | Hours     |
|--|---------------------------|-----------|
| <b>Required Courses</b>                                      |                           |           |
| Eighteen semester hours including the following:             |                           |           |
| SOC 1305   | Introduction to Sociology | 3         |
| Fifteen semester hours of 3000-4000 SOC courses <sup>1</sup> |                           | 15        |
| <b>Total Hours</b>   |                           | <b>18</b> |

<sup>1</sup> Only one course from SOC 3360 Juvenile Delinquency or SOC 4352 Criminology can apply on this requirement.

**Statistical Science**

Degrees in Statistical Science are intended to provide the students with the necessary background into both the theory and application of statistics as it is used in today's society. The major is intended for those students who either want to seek employment with a B.S. degree or continue towards their advanced degrees. The minor will most likely be taken by students who intend to enter graduate school in an area other than statistics.

- Statistics, B.S. (p. 240)
- Statistics (Actuarial Science), B.S. (p. 240)
- Statistics (Sports Analytics), B.S. (p. 241)
- Statistics - Secondary Major (p. 242)
- Statistics Minor (p. 242)

## Statistics (STA)

### **STA 1301 Statistical Reasoning: A Guide to the Unknown (3)**

Pre-requisite(s): Freshman standing and consent of statistics undergraduate faculty advisor  
Philosophical, ethical, and sociological issues related to statistical uncertainty and randomness.

### **STA 1380 Elementary Statistics (3)**

Introduction to traditional statistical concepts including descriptive statistics, binomial and normal probability models, tests of hypotheses, linear correlation and regression, two-way contingency tables, and one-way analysis of variance. Credit may not be obtained after receiving credit in STA 2381 or 3381.

### **STA 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

### **STA 2300 Introduction to Data Science (3)**

Cross-listed as CSI 2300  
Principles of data science, including problem workflow, variable types, visualization, modeling, programming, data management and cleaning, reproducibility, and big data.

### **STA 2381 Introductory Statistical Methods (3)**

Pre-requisite(s): A grade of C or above in MTH 1321  
Parametric statistical methods. Topics range from descriptive statistics through regression and one-way analysis of variance. Applications are typically from biology and medicine. Computer data analysis is required.

### **STA 2450 Introduction to Computing for the Mathematical and Statistical Sciences (4)**

Computer programming for mathematical scientists with emphasis on designing algorithms, problem solving, and coding practices. Topics include development of programs from specifications; appropriate use of data types; functions; modular program organization; documentation and style; and version control and collaborative programming.

### **STA 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

### **STA 3375 Technologies for Sports Analytics (3)**

Pre-requisite(s): STA 2300 and STA 2450  
Concepts in big data analytics primarily applied to topics in sports focusing on graphical methods through dashboards and inferential methods.

### **STA 3381 Probability and Statistics (3)**

Pre-requisite(s): A grade of C or above in MTH 1322  
Introduction to the fundamentals of probability, random variables, discrete and continuous probability distributions, expectations, sampling distributions, topics of statistical inference such as confidence intervals, tests of hypotheses, and regression.

### **STA 3386 Regression Analysis (3)**

Pre-requisite(s): MTH 2311, MTH 2321, and STA 3381 A development of regression techniques including simple linear regression, multiple regression, logistic regression and Poisson regression with emphasis on model assumptions, parameter estimation, variable selection and diagnostics

### **STA 3V90 Undergraduate Research in Statistics (1-3)**

Pre-requisite(s): Consent of instructor  
Independent study or research in topics not available in other courses. Maximum of four hours will count toward the degree.

### **STA 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

### **STA 4330 SAS Programming for Statistical Science (3)**

Pre-requisite(s): STA 2381 or 3381  
Concepts in SAS programming including methods to establish and transform SAS data sets, perform statistical analyses, and create general customized reports. Methods from both BASE SAS and SAS SQL will be considered.

### **STA 4350 Statistical Machine Learning (3)**

Pre-requisite(s): STA 3386 Fundamental topics of machine learning including supervised/unsupervised learning, cost function optimization, feature selection and engineering, and bias/variance tradeoff  
Learning algorithms including classification methods, support vector machines, decision trees, neural networks, and deep learning are included.

### **STA 4360 Bayesian Data Analysis (3)**

Pre-requisite(s): STA 4385 An introduction to Bayesian inference emphasizing prior and posterior distributions, estimation, prediction, hierarchical Bayesian analysis, and applications with computer implemented data analysis

### **STA 4362 Applied Time Series Analysis (3)**

Pre-requisite(s): STA 3386  
Statistical methods of analyzing time series. Model identification, estimation, forecasting, and spectral analysis will be discussed. Applications in a variety of areas including economics and environmental science will be considered.

### **STA 4370 Sampling Techniques (3)**

Pre-requisite(s): Three hours of statistical methods  
Planning, execution, and analysis of sampling from finite populations. Simple random, stratified random, ratio, systematic, cluster, sub sampling, regression estimates, and multi-frame techniques are covered.

### **STA 4371 Data Management and Mining (3)**

Pre-requisite(s): STA 3381  
Terminology, techniques, and management of Data Mining for biostatisticians.

### **STA 4372 Introduction to Biostatistics (3)**

Pre-requisite(s): STA 2381 or STA 3381 or consent of the instructor  
Data Analysis for biostatisticians in the biomedical and pharmaceutical fields.

### **STA 4373 Computational Methods in Statistics (3)**

Pre-requisite(s): STA 2381 or STA 3381 or consent of the instructor  
Computational methods using statistical packages and programming.

### **STA 4374 Statistical Process Control (3)**

Pre-requisite(s): STA 3381 or equivalent  
Development of statistical concepts and theory underlying procedures used in statistical process control applications and reliability.

### **STA 4382 Intermediate Statistical Methods (3)**

Pre-requisite(s): A minimum grade of C in either STA 2381 or STA 3381; or consent of instructor  
Development and application of two-sample inferences, analysis of variance, multiple comparison procedures, and nonparametric methods.

**STA 4384 Applied Multivariate Methods (3)**

Pre-requisite(s): STA 3386  
Numerical and graphical descriptive statistics for multivariate data, principal components and factor analysis, canonical correlation, discriminant analysis, multivariate analysis of variance, multidimensional contingency tables, and cluster analysis.

**STA 4385 Mathematical Statistics I (3)**

Pre-requisite(s): MTH 2321 with minimum grade of C  
Introductions to the fundamentals of probability theory, random variables and their distributions, expectations, transformations of random variables, moment generating functions, special discrete and continuous distributions, multivariate distributions, order statistics, and sampling distributions.

**STA 4386 Mathematical Statistics II (3)**

Pre-requisite(s): STA 4385 with minimum grade of C  
Theory of statistical estimation and hypothesis testing. Topics include point and interval estimation, properties of estimators, properties of test of hypotheses including most powerful and likelihood ratios tests, and decision theory including Bayes and minimax criteria.

**STA 4387 Introduction to Probability Models (3)**

Pre-requisite(s): STA 4385 with minimum grade of C  
Applications of probability theory to the study of phenomena in such fields as engineering, management science, social and physical sciences, and operations research. Topics include Markov chains, branching processes, Poisson processes, exponential models, and continuous-time Markov chains with applications to queuing systems. Other topics introduced are renewal theory and estimation procedures.

**STA 43C8 Capstone in Sports Analytics (3)**

Pre-requisite(s): Senior standing and consent of the instructor  
Applying statistics data science methodology to research problems in sports analytics.

**STA 43C9 Capstone Statistics Course (3)**

Pre-requisite(s): Approval of the statistics undergraduate faculty advisor  
Statistical concepts applied to written and oral reports for consulting. For students majoring in statistics.

**STA 4V90 Special Topics in Statistics (1-3)**

Pre-requisite(s): STA 2381 or STA 3381  
Topics in probability and/or statistics not covered in other courses. May be repeated for a maximum of 6 hours if the content is different.

**STA 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**Statistics, B.S.**  
**Requirements for Major in Statistics**

| Code  | Title                            | Hours |
|---|----------------------------------|-------|
| Twenty-seven semester hours including the following:    |                                  |       |
| <b>Required Courses</b>                                 |                                  |       |
| STA 3381  | Probability and Statistics       | 3     |
| STA 3386  | Regression Analysis              | 3     |
| STA 4382  | Intermediate Statistical Methods | 3     |
| STA 4385  | Mathematical Statistics I        | 3     |
| STA 4386  | Mathematical Statistics II       | 3     |
| STA 43C9  | Capstone Statistics Course       | 3     |
| Nine additional semester hours of 2000-4000 STA courses |                                  | 9     |

|   |   |           |
|---|---|-----------|
| A grade of "C" or better in courses used for the major.   |   |           |
| <b>Subtotal</b>   |   | <b>27</b> |
| <b>Required Courses in Other Fields</b>   |   |           |
| MTH 1321  | Calculus I  | 3         |
| MTH 1322  | Calculus II   | 3         |
| MTH 2311  | Linear Algebra  | 3         |
| MTH 2321  | Calculus III  | 3         |
| CSI 1401  | Introduction to Programming I   | 4         |
| or CSI 1430   | Introduction to Computer Science I with Laboratory                                    |           |
| or STA 2450   | Introduction to Computing for the Mathematical and Statistical Sciences               |           |
| Eight semester hours of science courses (with no more than 4 hours from GEO) with appropriate labs selected from the following: |   | 8         |
| BIO 1305 & BIO 1105   | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |           |
| BIO 1306 & BIO 1106   | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |           |
| CHE 1301 & CHE 1101   | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |           |
| CHE 1302 & CHE 1102   | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |           |
| ENV 1301 & ENV 1101   | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)    |           |
| ENV 1303 & ENV 1103   | Wildlife Ecology and Wildlife Ecology Laboratory Exercises                            |           |
| GEO 1306 & GEO 1106   | The Earth Through Time and The Earth Through Time, Laboratory                         |           |
| or GEO 1307 & GEO 1106  | Evolution and Extinction and The Earth Through Time, Laboratory                       |           |
| GEO 1401  | Earthquakes and Other Natural Disasters   |           |
| GEO 1402  | World Oceans  |           |
| GEO 1403  | Environmental Geology   |           |
| GEO 1405  | The Dynamic Earth   |           |
| GEO 1408  | Earth Science   |           |
| NSC 1306 & NSC 1106   | Introduction to Neuroscience and Introduction to Neuroscience Laboratory              |           |
| PHY 1420  | General Physics I   |           |
| PHY 1430  | General Physics II  |           |
| <b>Total Hours</b>  |   | <b>51</b> |

**Statistics (Actuarial Science), B.S.**

Current students wishing to declare the statistics major with an Actuarial Science concentration must meet both of the following requirements:

- 1. have completed MTH 1322 Calculus II with a minimum grade of C, and
- 2. must have an overall GPA of 3.0 or higher.

Transfer students must wait to earn a Baylor GPA of 3.0 or higher before declaring the Actuarial Science concentration.

## Requirements for a Major in Statistics (Actuarial Science)

| Code  | Title   | Hours     |
|---|---|-----------|
| Twenty-seven semester hours including the following:  |   |           |
| <b>Required Courses</b>   |   |           |
| STA 3381  | Probability and Statistics  | 3         |
| STA 3386  | Regression Analysis   | 3         |
| STA 4382  | Intermediate Statistical Methods  | 3         |
| STA 4385  | Mathematical Statistics I   | 3         |
| STA 4386  | Mathematical Statistics II  | 3         |
| Twelve additional hours of STA, nine of which must be at the 4000-level <sup>1</sup>  |   | 12        |
| <i>Additional Requirements</i>  |   |           |
| A grade of "C" or better in courses used for the major.   |   |           |
| <b>Subtotal</b>   |   | <b>27</b> |
| <b>Required Courses in Other Fields</b>   |   |           |
| MTH 1321  | Calculus I  | 3         |
| MTH 1322  | Calculus II   | 3         |
| MTH 2311  | Linear Algebra  | 3         |
| MTH 2321  | Calculus III  | 3         |
| CSI 1401  | Introduction to Programming I   | 4         |
| or CSI 1430   | Introduction to Computer Science I with Laboratory                                    |           |
| or STA 2450   | Introduction to Computing for the Mathematical and Statistical Sciences               |           |
| Eight semester hours of science courses (with no more than 4 hours from GEO) with appropriate labs selected from the following: |   | 8         |
| BIO 1305 & BIO 1105   | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |           |
| BIO 1306 & BIO 1106   | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |           |
| CHE 1301 & CHE 1101   | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |           |
| CHE 1302 & CHE 1102   | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |           |
| ENV 1301 & ENV 1101   | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)    |           |
| ENV 1303 & ENV 1103   | Wildlife Ecology and Wildlife Ecology Laboratory Exercises                            |           |
| GEO 1306 & GEO 1106   | The Earth Through Time and The Earth Through Time, Laboratory                         |           |
| or GEO 1307 & GEO 1106  | Evolution and Extinction and The Earth Through Time, Laboratory                       |           |
| GEO 1401  | Earthquakes and Other Natural Disasters   |           |
| GEO 1402  | World Oceans  |           |
| GEO 1403  | Environmental Geology   |           |
| GEO 1405  | The Dynamic Earth   |           |

|  |  |
|--|--|
| GEO 1408   | Earth Science  |
| NSC 1306 & NSC 1106  | Introduction to Neuroscience and Introduction to Neuroscience Laboratory |
| PHY 1420 or PHY 1430                                       | General Physics I<br>General Physics II                                  |
| Select eighteen semester hours from the following courses: |  |
| ACC 2303   | Financial Accounting   |
| ECO 2306   | Principles of Microeconomics   |
| ECO 2307   | Principles of Macroeconomics   |
| ECO 3306   | Intermediate Microeconomic Analysis                                      |
| ECO 3307   | Intermediate Macroeconomic Analysis                                      |
| FIN 3305   | Principles of Risk Management and Insurance                              |
| FIN 3310   | Introduction to Corporate Finance  |
| FIN 4320   | Fundamentals of Property and Liability Insurance                         |
| FIN 4366   | Options, Futures, and Other Derivatives                                  |
| <b>Total Hours</b>   | <b>69</b>  |

<sup>1</sup> STA 4V90 Special Topics in Statistics may be taken for a maximum of 6 hours.

## Statistics (Sports Analytics), B.S. Requirements for a Major in Statistics (Sports Analytics)

| Code   | Title   | Hours     |
|--|---|-----------|
| Thirty-one semester hours including the following:   |   |           |
| <b>Required Courses</b>  |   |           |
| STA 2300   | Introduction to Data Science  | 3         |
| STA 2450   | Introduction to Computing for the Mathematical and Statistical Sciences | 4         |
| STA 3375   | Technologies for Sports Analytics                                       | 3         |
| STA 3381   | Probability and Statistics  | 3         |
| STA 3386   | Regression Analysis   | 3         |
| STA 4330   | SAS Programming for Statistical Science                                 | 3         |
| STA 4373   | Computational Methods in Statistics                                     | 3         |
| STA 43C8   | Capstone in Sports Analytics  | 3         |
| Six semester hours of 3000-4000 level STA courses <sup>1</sup>   |   | 6         |
| <i>Additional Requirements</i>   |   |           |
| A grade of "C" or better in courses used for the major.  |   |           |
| <b>Subtotal</b>  |   | <b>31</b> |
| <b>Required Courses in Other Fields</b>  |   |           |
| MTH 1321   | Calculus I  | 3         |
| MTH 1322   | Calculus II   | 3         |
| MTH 2311   | Linear Algebra  | 3         |
| MTH 2321   | Calculus III  | 3         |
| Eight semester hours of science courses (with no more than 4 hours from GEO) with appropriate labs selected from the following: <sup>2</sup> |   | 8         |

|                        |   |           |
|------------------------|---|-----------|
| BIO 1305<br>& BIO 1105 | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory            |           |
| BIO 1306<br>& BIO 1106 | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory |           |
| CHE 1301<br>& CHE 1101 | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I                |           |
| CHE 1302<br>& CHE 1102 | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II              |           |
| ENV 1301<br>& ENV 1101 | Exploring Environmental Issues<br>and An Introduction to Environmental<br>Analysis (Lab)    |           |
| ENV 1303<br>& ENV 1103 | Wildlife Ecology<br>and Wildlife Ecology Laboratory Exercises                               |           |
| ENV 2375<br>& ENV 2175 | and   |           |
| ENV 2407               |   |           |
| GEO 1306<br>& GEO 1106 | The Earth Through Time<br>and The Earth Through Time, Laboratory                            |           |
| or GEO 1307            | Evolution and Extinction  |           |
| or GEO 1309            | Origins of Habitable Worlds   |           |
| GEO 1401               | Earthquakes and Other Natural Disasters   |           |
| GEO 1402               | World Oceans  |           |
| GEO 1403               | Environmental Geology   |           |
| GEO 1405               | The Dynamic Earth   |           |
| GEO 1408               | Earth Science   |           |
| NSC 1306<br>& NSC 1106 | Introduction to Neuroscience<br>and Introduction to Neuroscience<br>Laboratory              |           |
| PHY 1420               | General Physics I   |           |
| PHY 1430               | General Physics II  |           |
| <b>Total Hours</b>     |   | <b>51</b> |

<sup>1</sup> STA 4V90 Special Topics in Statistics may be taken for a maximum of 6 hours.

<sup>2</sup> Each course must apply to a major in its department.

## Statistics - Secondary Major

### Requirements for a Secondary Major in Statistics

| Code  | Title                            | Hours |
|---|----------------------------------|-------|
| Thirty-three semester hours including the following:            |                                  |       |
| <b>Required Courses</b>   |                                  |       |
| MTH 1321  | Calculus I                       | 3     |
| MTH 1322  | Calculus II                      | 3     |
| MTH 2311  | Linear Algebra                   | 3     |
| MTH 2321  | Calculus III                     | 3     |
| STA 3381  | Probability and Statistics       | 3     |
| STA 3386  | Regression Analysis              | 3     |
| STA 4382  | Intermediate Statistical Methods | 3     |
| Twelve semester hours of additional 2000-4000 level STA courses |                                  | 12    |

A grade of "C" or better in courses used for the Secondary Major.

**Total Hours** **33**

## Statistics Minor

### Requirements for a Minor in Statistics

| Code   | Title                            | Hours     |
|--|----------------------------------|-----------|
| Eighteen semester hours including the following:   |                                  |           |
| <b>Required Courses</b>  |                                  |           |
| STA 2381   | Introductory Statistical Methods | 3         |
| STA 3381   | Probability and Statistics       | 3         |
| Twelve additional semester hours from any STA course that counts toward the major in statistics. |                                  | 12        |
| A grade of "C" or better in STA courses used for the minor.                                      |                                  |           |
| <b>Total Hours</b>   |                                  | <b>18</b> |

## Theatre Arts

The Baylor University Department of Theatre Arts is an elite program combining an excellent liberal arts education with rigorous training in both academic and artistic fields of theatre study. The department has been named among the top 25 undergraduate theatre programs in the United States and is accredited by the National Association of Schools of Theatre.

Our mission is to nurture a close-knit community of intellectually-curious and artistically-daring theatre practitioners while preparing students for future success through liberal arts education and professional training.

### Entrance Requirement in Theatre Arts:

In addition to admission to the University, prospective students must be admitted to the Department of Theatre Arts by application and a formal audition/interview conducted by the Theatre Arts Faculty. Refer to the Departmental Student Handbook for other curricular and co-curricular requirements.

- Theatre Arts, B.A. (p. 247)
- Theatre Design and Technology, B.F.A. (p. 247)
- Theatre Performance, B.F.A. (p. 248)
- Theatre Arts - Secondary Major (p. 249)
- Theatre Design and Technology Minor (p. 249)

## Theater Arts (THEA)

### THEA 1101 Fundamentals of Voice and Movement I (1)

Co-requisite(s): THEA 1301

An introduction to the fundamentals of voice and movement for the actor with emphasis on freeing the natural voice and developing awareness of the voice and body as creative, expressive instruments. This course supports the work done in acting core courses.

### THEA 1102 Fundamentals of Voice and Movement II (1)

Co-requisite(s): THEA 1302

A continuation of THEA 1101 with emphasis on the fundamentals of voice and movement for the actor, freeing the natural voice, and developing awareness of the voice and body as creative and expressive instruments.



**THEA 1103 Freshman Voice for Traditional Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to traditional musical theatre styles, in chorus roles with repertoire before 1965.

**THEA 1104 Freshman Voice for Contemporary Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to contemporary musical theatre styles, in chorus roles with repertoire after 1965.

**THEA 1110 The Fine Arts: An Experiential Survey of Music, Art, Theatre, and Film (1)**

Pre-requisite(s): Acceptance into the Fine Arts Living Learning Center

An exploration of four Fine Arts disciplines (film, art, theatre, and music) from an interdisciplinary perspective, with emphasis on specific performances and exhibitions, and a small group focus on new student experiences.

**THEA 1301 Acting I: Realism (3)**

Co-requisite(s):

Introduction to the basics of acting, including theatrical terminology, improvisation, scene study, and character analysis. Emphasis will be placed on an acting method based on the works of Constantin Stanislavski.

**THEA 1302 Acting Realism: Scene Study (3)**

Co-requisite(s): THEA 1102

An introduction to basic acting technique. Students employ the character analysis, basic object exercises, and other acting tools toward producing a character study based on a modern American play.

**THEA 1306 Introduction to Theatre (3)**

Develops an engaged understanding of live theatre and performance in contemporary society through an overview of the various artists, skills, crafts, traditions, and conventions that inform the creation of a theatrical event. Students with credit in Thea 1306 may not earn credit for Thea 1206.

**THEA 1312 Scenic Elements (3)**

Basic course in stagecraft. Technical crew lab included.

**THEA 1316 Costume and Stage Makeup Elements (3)**

Study and application of the theories and techniques of theatrical costuming, construction of theatrical clothing, and theatrical makeup. Technical crew lab included.

**THEA 1324 Script Analysis (3)**

Pre-requisite(s): THEA 1380

Introduction to the process of script analysis, focusing on play structure, environmental research and character development, and culminating in a written play analysis.

**THEA 1380 Theatre Aesthetics: Visual Storytelling (3)**

An introduction to basic theatre aesthetics. Emphasis placed on elements and principles of design for visual storytelling.

**THEA 1383 Theatrical Drafting (3)**

Introduction to theatrical hand drafting techniques, tools and standards, including fundamentals of graphic problem solving by visualization of elements in three dimensional space.

**THEA 2101 Applied Voice and Movement I (1)**

Co-requisite(s): THEA 2301

Pre-requisite(s): THEA 1102

Continuation of the work begun in THEA 1101 and 1102 with emphasis on movement for the stage as it applies to realistic acting, as well as interpretive, post-modern theatre making.

**THEA 2102 Applied Voice and Movement II (1)**

Co-requisite(s):

Pre-requisite(s): THEA 2101

Continuation of the work begun in THEA 2101 with emphasis on movement for the stage as it applies to realistic acting, as well as interpretive, post-modern theatre making.

**THEA 2103 Sophomore Voice for Traditional Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to traditional musical theatre styles, in small group/ensemble roles with repertoire before 1965.

**THEA 2104 Sophomore Voice for Contemporary Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to contemporary musical theatre styles, in small group/ensemble roles with repertoire after 1965.

**THEA 2105 Singing for the Actor (1)**

Pre-requisite(s): Instructor permission required

Preparing the actor to participate in singing roles including ensemble work, straight plays with music, and Shakespeare sonnets. The course will also cover vocal technique, sight singing, and harmony/group singing. Course may be repeated for a maximum of 3 hours.

**THEA 2113 Workshop in Traditional Musical Theatre I (1)**

Pre-requisite(s): Consent of instructor

Application of techniques and skills learned in the voice class in a performance setting using materials from traditional musical theatre styles pre-1965.

**THEA 2114 Workshop in Contemporary Musical Theatre I (1)**

Pre-requisite(s): Consent of instructor

Application of techniques and skills learned in the voice class in a performance setting using materials from contemporary musical theatre styles from 1965 to the present.

**THEA 2298 Ballet I (2)**

Ballet with emphasis on technique and vocabulary. Theatre Arts majors may substitute this class for one semester of Human Performance.

**THEA 2299 Jazz I (2)**

Pre-requisite(s): THEA 2298

Jazz techniques, vocabulary, and styles relevant to character/theatre dance. Theatre Arts majors may substitute this class for one semester of Human Performance.

**THEA 2301 Acting: Physical Methods (3)**

Co-requisite(s):

Pre-requisite(s): THEA 1302

An Introduction to the physical methods of Acting, focusing on Viewpoints.

**THEA 2302 Acting: Shakespeare (3)**

Co-requisite(s):

Pre-requisite(s): THEA 1302

Exploration of the acting challenges of Shakespeare's plays, through studies of text sense and structure, and exercises for developing breath, relaxation, vocal energy, and creative acting choices.

**THEA 2316 Stage Makeup (3)**

Study and application of theories and techniques of theatrical makeup. Technical crew laboratory included.

**THEA 2370 Technology Fundamentals for Theatre (3)**

Introduction to essential software and technologies utilized in the creation of a live theatrical production.

**THEA 2371 Lighting and Sound Elements (3)**

General principles and practices of stage lighting and theatrical sound technology. Technical crew laboratory included.

**THEA 2374 Theater History I (3)**

Historical investigation of theatre practice, performance, and dramatic literature from ancient times through the Renaissance.

**THEA 2375 Theater History II (3)**

Pre-requisite(s): THEA 2374

Historical investigation of theatre practice, performance, and dramatic literature from the Renaissance through the nineteenth century. Emphasis on Europe and North America.

**THEA 2383 Theatrical Drawing and Rendering (3)**

Principles and practices of drawing, rendering, and modeling techniques used for the theater.

**THEA 2385 Technical Theatre for Non-Theatre Majors (3)**

Pre-requisite(s): Consent of the Instructor An introductory study of the tools, techniques, and concepts related to the technical aspects of theatre production

**THEA 2390 Stage Management (3)**

The art and craft of stage management, including the role and responsibilities of the stage manager.

**THEA 3001 Production Lab (0)**

Pre-requisite(s): Junior standing

Evaluation of acting and crew work for all major productions, thesis production, qualifying productions, and weekly workshops. May be taken a maximum of 3 times.

**THEA 3103 Junior Voice for Traditional Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to traditional musical theatre styles, in solo limited supporting roles with repertoire before 1965.

**THEA 3104 Junior Voice for Contemporary Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to contemporary musical theatre styles, in solo limited supporting roles with repertoire after 1965.

**THEA 3106 Production Lab II (1)**

Pre-requisite(s): Junior standing and THEA 3105

Continuation of THEA 3105.

**THEA 3113 Workshop in Traditional Musical Theatre II (1)**

Pre-requisite(s): THEA 2113 and consent of instructor

A continuation of THEA 2113.

**THEA 3114 Workshop in Contemporary Musical Theatre II (1)**

Pre-requisite(s): THEA 2114 and consent of instructor

A continuation of THEA 2114.

**THEA 3297 Tap I (2)**

Pre-requisite(s): THEA 2298

Tap with an emphasis on the basic steps, rhythms, and music theory related to the dance.

**THEA 3298 Ballet II (2)**

Pre-requisite(s): THEA 2298

A continuation of Ballet I, refining technique and developing broader ranges of movement.

**THEA 3301 Acting: Advanced Realism (3)**

Pre-requisite(s): THEA 2302 and upper-level standing

Correlating advanced acting techniques and the performance requirements of important realistic playwrights. Students will analyze, rehearse and perform scenes from playwrights of the early independent theater movement and from a range of contemporary playwrights.

**THEA 3302 Acting: Advanced Auditioning (3)**

Pre-requisite(s): Upper-level standing An exploration of auditioning techniques and professional auditioning practices in the Theatre

**THEA 3303 Theatre for Young Audiences (3)**

Pre-requisite(s): THEA 1302 and upper-level standing

An applied study of the dramatic literature and production techniques of theater intended for young audiences. Emphasis will be on techniques of acting and the creation of new material.

**THEA 3304 Acting: Playwright Study (3)**

Pre-requisite(s): Consent of instructor

The application of advanced acting techniques to the unique style and period conventions of an individual playwright. May be repeated once for credit with study of a different playwright(s).

**THEA 3310 Introduction to Standardized Patient Methodology (3)**

Cross-listed as HP 3312

See HP 3312 for course information.

**THEA 3316 Costume Draping and Patterning (3)**

Pre-requisite(s): THEA 1316

Technical skills with emphasis on interpreting two-dimensional drawings into three-dimensional costumes by manipulating fabric through draping, patterning, and construction.

**THEA 3323 Costume Crafts (3)**

Pre-requisite(s): THEA 1316 or consent of the instructor

Technical skills with an emphasis on 2D and 3D techniques in creating and modifying specialty costume pieces.

**THEA 3324 Directing I/Script Analysis (3)**

Pre-requisite(s): THEA 1380 and upper-level standing

A study of play analysis for beginning directors. Workshop laboratory required.

**THEA 3325 Directing II (3)**

Pre-requisite(s): THEA 3324

Continuation of THEA 3324. A study of techniques of play direction. Fundamental consideration of blocking and director-actor communication. Workshop laboratory required.

**THEA 3326 Costume Design (3)**

Pre-requisite(s): THEA 1316

Development and execution of costume designs for a variety of theatrical situations. Lectures, design projects, critiques, and discussions.

**THEA 3327 Advanced Makeup Techniques (3)**

Pre-requisite(s): THEA 1316

This course builds on introductory skills learned in THEA 1316 (Costume and Makeup Elements). Students will study advanced application skills and tools for character transformation with makeup, masks, and 3D elements.

**THEA 3333 Theatre in Cultural Context (3)**

Pre-requisite(s): For theatre majors only or consent of instructor  
An exploration of theatre production and theatrical history particular to a specific region of the world, with references to regional historical, political, social, cultural, artistic, and architectural influences. Course may be repeated for a maximum of six semester hours if topic varies.

**THEA 3341 Master Works in Drama (3)**

Cross-listed as GTX 3341  
See GTX 3341 for course information.

**THEA 3352 Japanese Theatre and Culture (3)**

Cross-listed as JPN 3352  
History and practice of theatre in Japan from earliest recorded history to the present era.

**THEA 3363 Metal-Working for the Theatre (3)**

Pre-requisite(s): THEA 1312  
Prepares students for various aspects of metal-working for the theatre, including safety, welding, cutting, and shaping.

**THEA 3370 Scene Design (3)**

Pre-requisite(s): THEA 1312 Survey of theatrical design and scene designers, and the realization of students' designs as floor plans, renderings, and models

**THEA 3371 Lighting Design (3)**

Pre-requisite(s): THEA 2371 Lighting design in theatrical production and as an artistic tool in manipulating three dimensional space

**THEA 3372 Scene Painting (3)**

Pre-requisite(s): THEA 1312; upper-level standing  
Introduction to large scale painting. Students execute texture techniques.

**THEA 3373 Short-form Playwriting (3)**

Pre-requisite(s): THEA 1324  
Development of techniques and skills of dramatic writing through practice in creating short-form original dramatic work.

**THEA 3380 Sound Design (3)**

Cross-listed as FDM 3380  
Pre-requisite(s): THEA 2371 or FDM 2360  
The creation and implementation of sound design for theatre; also applicable to film, music production, video games, and live events. Includes the artistic process of design and the development of technical abilities and conceptual approaches to sound manipulation.

**THEA 3383 Computer Aided Drafting and Modeling (3)**

Pre-requisite(s): THEA 1383  
Computer aided drafting to incorporate many of the principals covered in THEA 1383 (hand-drafting for the theater). Utilize both the vector based Vector works software and the floating point algorithm based AutoCAD software.

**THEA 3390 Marketing for the Performing Arts (3)**

Audience development principles and marketing techniques for both commercial and non-profit arts organizations. Emphasis on live theatre. Technical crew lab included.

**THEA 3398 Theatrical Props: Construction and Management (3)**

Pre-requisite(s): THEA 1312 and consent of instructor  
Practical study of the design, construction, organization, and implementation of theatrical properties in production.

**THEA 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**THEA 4102 Theatre in the Professional World (1)**

Pre-requisite(s): Senior standing and consent of instructor  
Prepares majors for the transition from academia to the professional arena.

**THEA 4103 Senior Voice for Traditional Musical Theatre (1)**

Pre-requisite(s): Consent of instructor  
Acting technique and character development, in conjunction with vocal technique, as they relate to traditional musical theatre styles, in solo leading roles with repertoire before 1965.

**THEA 4104 Senior Voice for Contemporary Musical Theatre (1)**

Pre-requisite(s): Consent of instructor  
Acting technique and character development, in conjunction with vocal technique, as they relate to contemporary musical theatre styles, in solo leading roles with repertoire after 1965.

**THEA 4107 Production Lab III (1)**

Pre-requisite(s): Senior standing and THEA 3106  
Evaluation of acting and crew work for all major productions, thesis production, qualifying productions, and weekly workshops.

**THEA 4108 Production Lab IV (1)**

Pre-requisite(s): Senior standing and THEA 3106  
A continuation of production methods learned in THEA 3106.

**THEA 4113 Workshop in Traditional Musical Theatre III (1)**

Pre-requisite(s): THEA 3113 and consent of instructor  
A continuation of THEA 3113.

**THEA 4114 Workshop in Contemporary Musical Theatre III (1)**

Pre-requisite(s): THEA 3114 and consent of instructor  
A continuation of THEA 3114.

**THEA 4190 Portfolio Development (1)**

Pre-requisite(s): Consent of instructor  
Development of design portfolios and presentation skills needed for professional employment in theatrical design.

**THEA 4215 Art as Civic Practice: Engagement, Collaboration, and Inclusivity (2)**

Pre-requisite(s): Upper-level standing  
Engagement, collaboration, and inclusivity through the lens of arts-based practices as they are related to three key groups: ourselves, organizations, and communities, including community-based artistic programming across fine arts entities.

**THEA 4297 Jazz II (2)**

Pre-requisite(s): THEA 2298 and 2299  
Continuation of Jazz I, refining technique and exploring different styles of jazz and character dance.

**THEA 4298 Tap II (2)**

Pre-requisite(s): THEA 3297  
Continuation of Tap I, refining technique and exploring advanced rhythms and steps.

**THEA 4301 Acting for the Camera (3)**

Pre-requisite(s): THEA 2301 and 2302  
Preparation for professional performance in television and film.

**THEA 4308 Advanced Theatre Theory (3)**

Pre-requisite(s): Senior level standing  
Great texts of dramatic theory ranging from Aristotle and Zeami through to Emile Zola and Bertolt Brecht. Theoretical ideas on the aesthetics, efficacy and morality of theatre have interacted with plays at various time periods.

**THEA 4321 History of Costume (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
A study of dress from Egyptian times to the twentieth century.

**THEA 4322 History of Decor in the Western World (3)**

Pre-requisite(s): Upper-level standing  
Major historical movements and periods in architecture and decorative arts in the West, with special attention to how these trends relate to theatrical design.

**THEA 4326 Advanced Costume Design (3)**

Pre-requisite(s): THEA 3326  
Advanced principles and practices of costume design, with an emphasis on the design team/director collaboration.

**THEA 4335 Creative Dramatics (3)**

Pre-requisite(s): Consent of instructor  
Education, theory, and philosophy that will cultivate the techniques of creative dramatics and develop the skills needed for human interaction in dramatic play. Lab required.

**THEA 4351 Automated Lighting (3)**

Pre-requisite(s): THEA 2371  
Design techniques and the programming of automated lighting fixtures on various lighting consoles.

**THEA 4365 Advanced Directing I (3)**

Pre-requisite(s): THEA 3324  
Directing techniques for departures from realism, with an emphasis on postmodern theatre, musical theatre, and verse drama. Workshop required.

**THEA 4366 Advanced Directing II (3)**

Pre-requisite(s): THEA 4365  
Continuation of THEA 4365. Workshop required.

**THEA 4370 Advanced Scene Design (3)**

Pre-requisite(s): THEA 3370; and upper level standing  
Development and execution of scenic designs for a variety of theatrical situations. Lectures, design projects, critiques and discussions.

**THEA 4371 Advanced Lighting Design (3)**

Pre-requisite(s): THEA 3371  
Developing and executing lighting designs for a variety of situations. Lectures, design projects, cue composition, and critique and discussion.

**THEA 4373 Playwriting (3)**

Pre-requisite(s): THEA 3373  
A study of the art and craft of playwriting with an emphasis on play structure, development of the personal voice, use of dramatic irony, and character development.

**THEA 4376 Theater History III (3)**

Pre-requisite(s): THEA 2374 and 2375; and upper-level standing  
Historical investigation of theatre practice, performance, and dramatic literature from the early twentieth century to the present.

**THEA 4377 The Theatre and Christianity (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
An exploration of biblical perspectives concerning creativity and the arts with a special emphasis on theatre and the performing arts.

**THEA 4378 Dramaturgy: Theory and Practice (3)**

Pre-requisite(s): THEA 4376 and consent of instructor  
Investigation of the functions and methods of the dramaturg such as choosing a season, audience enrichment, new play development, researching production history, and understanding dramatic structure and theory.

**THEA 4379 Advanced Studies in Contemporary Theatre and Drama (3)**

Pre-requisite(s): THEA 2374 and 2375  
Topics related to leading contemporary playwrights, current issues of dramatic style, and emerging trends in theatrical practice. May be repeated once for credit with different content.

**THEA 4380 Performing Arts Management (3)**

Pre-requisite(s): Upper-level standing  
Organizational structure, fundraising techniques, and board development for non-profit professional and commercial performing arts organizations. Includes contracting with professional unions, budgeting, and season planning. Technical crew lab included.

**THEA 4384 Advanced Sound Design (3)**

Cross-listed as FDM 4371  
Pre-requisite(s): THEA 3380/FDM 3380  
A continuation of THEA 3380/FDM 3380. This course builds upon the sound design skills gained previously and adds training in the advanced functions of industry standard software. Students will develop a personal design style, a discerning ear for quality audio, and in-depth knowledge of the production process. Intended for theatre designers, this course is also applicable to film, music production, video games, and live events.

**THEA 4390 Advanced Stage Management (3)**

Pre-requisite(s): THEA 2390  
Role and responsibilities of the stage manager using the Regional Theatre or LORT Stage Manager model. Explores budgeting, seasonal planning and responsibilities in touring and non-theatrical situations.

**THEA 4395 Stage Combat (3)**

Pre-requisite(s): Upper-level standing and consent of instructor  
Actor movement in stage combat (armed and unarmed) with emphasis on proper technique, safety, and theatricality. May be repeated once for credit with different contents.

**THEA 4398 Technical Direction for Theater (3)**

Pre-requisite(s): THEA 1312, 1316, 1383, and 2371  
Four basic areas of technical direction: creating technical drawings, estimating a set, choosing materials used in the theater, and scheduling the building of sets for the theater. This course may be repeated once with a different topic.

**THEA 4V75 Music Directing for Musical Theatre (1-3)**

Pre-requisite(s): Instructor Approval  
A practical approach to teaching music, conducting ensembles, collaborating with directors, evaluating voices, and improving vocal technique. This course is geared toward students interested in learning how to Music Direct Musicals and Theatre performances.

**THEA 4V98 Professional Internship (1-3)**

Pre-requisite(s): Upper-level standing  
Internship in Theatre and/or the Entertainment industry fulfilled in cooperation with an approved organization. The student will participate in formal training and directed activities in Theatre, Television, Film, Music or other Industry related fields.

**THEA 4V99 Special Studies in Theater Arts for Majors (1-3)**

Pre-requisite(s): Senior standing and consent of instructor  
Advanced studies in special theater topics. May be repeated for up to six hours credit.

**THEA 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**THEA 4VC5 Production Capstone (1-3)**

Pre-requisite(s): Senior standing and consent of instructor  
Advanced practicum in production performance design technical theater or management. May be repeated with different topic not to exceed six credit hours.

## Theatre Arts, B.A.

### Requirements for a Major in Theatre Arts

| Code  | Title  | Hours     |
|---|--|-----------|
| Forty-four semester hours including the following:                                  |  |           |
| <b>Required Courses</b>   |  |           |
| THEA 1301<br>& THEA 1101  | Acting I: Realism<br>and Fundamentals of Voice and Movement I            | 4         |
| THEA 1302<br>& THEA 1102  | Acting Realism: Scene Study<br>and Fundamentals of Voice and Movement II | 4         |
| THEA 1312   | Scenic Elements  | 3         |
| THEA 1316   | Costume and Stage Makeup Elements  | 3         |
| THEA 1324   | Script Analysis  | 3         |
| THEA 1380   | Theatre Aesthetics: Visual Storytelling                                  | 3         |
| THEA 2371   | Lighting and Sound Elements  | 3         |
| THEA 2374   | Theater History I  | 3         |
| THEA 2375   | Theater History II   | 3         |
| THEA 3001   | Production Lab (3 semesters)   | 0         |
| THEA 4376   | Theater History III  | 3         |
| Twelve semester hours of THEA courses, nine of which must be at the 3000-4000 level |  | 12        |
| <i>Additional Requirements</i>  |  |           |
| Must be admitted to the Department of Theatre Arts by audition/interview.           |  |           |
| Active participation in all departmental play productions.                          |  |           |
| <b>Total Hours</b>  |  | <b>44</b> |

## Theatre Design and Technology, B.F.A.

### Requirements for a Major in Theatre Design and Technology

| Code  | Title                                   | Hours |
|---|---|-------|
| Seventy semester hours including the following: |   |       |
| <b>Required Courses</b>                         |   |       |
| THEA 1301                                       | Acting I: Realism                       | 3     |
| THEA 1312                                       | Scenic Elements                         | 3     |
| THEA 1316                                       | Costume and Stage Makeup Elements       | 3     |
| THEA 1324                                       | Script Analysis                         | 3     |
| THEA 1380                                       | Theatre Aesthetics: Visual Storytelling | 3     |
| THEA 1383                                       | Theatrical Drafting                     | 3     |
| THEA 2371                                       | Lighting and Sound Elements             | 3     |
| THEA 2374                                       | Theater History I                       | 3     |
| THEA 2375                                       | Theater History II                      | 3     |
| THEA 2383                                       | Theatrical Drawing and Rendering        | 3     |

|  |                                       |   |
|--|---------------------------------------|---|
| THEA 3001                                      | Production Lab (3 semesters)          | 0 |
| THEA 4102                                      | Theatre in the Professional World     | 1 |
| THEA 4321                                      | History of Costume                    | 3 |
| or THEA 4322                                   | History of Decor in the Western World |   |
| THEA 4376                                      | Theater History III                   | 3 |
| Select nine semester hours from the following: |                                       | 9 |
| THEA 3326                                      | Costume Design                        |   |
| THEA 3370                                      | Scene Design                          |   |
| THEA 3371                                      | Lighting Design                       |   |
| THEA 3380                                      | Sound Design                          |   |

#### *Theatre Design Electives*

|  |   |   |
|--|---|---|
| Select nine semester hours from the following: |   | 9 |
| THEA 2370                                      | Technology Fundamentals for Theatre           |   |
| THEA 2390                                      | Stage Management                              |   |
| THEA 3316                                      | Costume Draping and Patterning                |   |
| THEA 3323                                      | Costume Crafts                                |   |
| THEA 3326                                      | Costume Design                                |   |
| THEA 3327                                      | Advanced Makeup Techniques                    |   |
| THEA 3363                                      | Metal-Working for the Theatre                 |   |
| THEA 3370                                      | Scene Design                                  |   |
| THEA 3371                                      | Lighting Design                               |   |
| THEA 3372                                      | Scene Painting                                |   |
| THEA 3380                                      | Sound Design                                  |   |
| THEA 3383                                      | Computer Aided Drafting and Modeling          |   |
| THEA 3398                                      | Theatrical Props: Construction and Management |   |
| THEA 4190                                      | Portfolio Development                         |   |
| THEA 4321                                      | History of Costume                            |   |
| THEA 4322                                      | History of Decor in the Western World         |   |
| THEA 4326                                      | Advanced Costume Design                       |   |
| THEA 4351                                      | Automated Lighting                            |   |
| THEA 4370                                      | Advanced Scene Design                         |   |
| THEA 4371                                      | Advanced Lighting Design                      |   |
| THEA 4384                                      | Advanced Sound Design                         |   |
| THEA 4390                                      | Advanced Stage Management                     |   |
| THEA 4398                                      | Technical Direction for Theater               |   |
| THEA 4V99                                      | Special Studies in Theater Arts for Majors    |   |
| THEA 4VC5                                      | Production Capstone                           |   |

Fifteen semester hours of THEA courses, twelve of which must be at the 3000-4000 level

#### *Additional Requirements*

Must be admitted to the Department of Theatre Arts by audition/interview.

Active participation in all departmental play productions.

**Total Hours** **70**



Theatre Performance, B.F.A.  
Requirements for a Major in Theatre Performance

| Code  | Title   | Hours |
|---|---|-------|
| Seventy semester hours including the following: |   |       |
| Required Courses                                |   |       |
| Theatre Performance Core                        |   |       |
| THEA 1301 & THEA 1101                           | Acting I: Realism and Fundamentals of Voice and Movement I            | 4     |
| THEA 1302 & THEA 1102                           | Acting Realism: Scene Study and Fundamentals of Voice and Movement II | 4     |
| THEA 1312                                       | Scenic Elements   | 3     |
| THEA 1316                                       | Costume and Stage Makeup Elements                                     | 3     |
| THEA 1324                                       | Script Analysis   | 3     |
| THEA 1380                                       | Theatre Aesthetics: Visual Storytelling                               | 3     |
| THEA 2301                                       | Acting: Physical Methods  | 3     |
| THEA 2302                                       | Acting: Shakespeare   | 3     |
| THEA 2298                                       | Ballet I  | 2     |
| THEA 2299                                       | Jazz I  | 2     |
| THEA 2371                                       | Lighting and Sound Elements   | 3     |
| THEA 2374                                       | Theater History I   | 3     |
| THEA 2375                                       | Theater History II  | 3     |
| THEA 3001                                       | Production Lab (3 semesters)  | 0     |
| THEA 3301                                       | Acting: Advanced Realism  | 3     |
| THEA 3302                                       | Acting: Advanced Auditioning  | 3     |
| THEA 4102                                       | Theatre in the Professional World                                     | 1     |
| THEA 4376                                       | Theater History III   | 3     |
| Six semester hours of THEA courses              |   | 6     |
| Theatre Performance Concentrations              |   |       |
| Select one Concentration from the following:    |   | 15    |
| General (p. 248)                                |   |       |
| Musical Theatre (p. 248)                        |   |       |
| Total Hours                                     |   | 70    |

Theatre Performance (General Concentration), B.F.A.  
Requirements for a Concentration in General Theatre Performance

| Code  | Title   | Hours |
|---|---|-------|
| Concentration Requirements                    |   |       |
| Select six semester hours from the following: |   | 6     |
| THEA 3103                                     | Junior Voice for Traditional Musical Theatre  |       |
| THEA 3104                                     | Junior Voice for Contemporary Musical Theatre |       |
| THEA 3113                                     | Workshop in Traditional Musical Theatre II    |       |
| THEA 3114                                     | Workshop in Contemporary Musical Theatre II   |       |

|  |   |    |
|--|---|----|
| THEA 3297  | Tap I   |    |
| THEA 3298  | Ballet II                                     |    |
| THEA 3303  | Theatre for Young Audiences                   |    |
| THEA 3304  | Acting: Playwright Study                      |    |
| THEA 4103  | Senior Voice for Traditional Musical Theatre  |    |
| THEA 4104  | Senior Voice for Contemporary Musical Theatre |    |
| THEA 4113  | Workshop in Traditional Musical Theatre III   |    |
| THEA 4114  | Workshop in Contemporary Musical Theatre III  |    |
| THEA 4297  | Jazz II                                       |    |
| THEA 4298  | Tap II  |    |
| THEA 4301  | Acting for the Camera                         |    |
| THEA 4335  | Creative Dramatics                            |    |
| THEA 4365  | Advanced Directing I                          |    |
| THEA 4366  | Advanced Directing II                         |    |
| THEA 4395  | Stage Combat                                  |    |
| THEA 4VC5  | Production Capstone                           |    |
| THEA 4V99  | Special Studies in Theater Arts for Majors    |    |
| Nine additional semester hours of 3000-4000 level THEA courses |   | 9  |
| Total Hours  |   | 15 |

Theatre Performance (Musical Theatre Concentration), B.F.A.  
Requirements for a Concentration in Musical Theatre

| Code  | Title   | Hours |
|---|---|-------|
| Concentration Requirements                                      |   |       |
| THEA 3297   | Tap I   | 2     |
| Select ten semester hours from the following:                   |   | 10    |
| THEA 3103   | Junior Voice for Traditional Musical Theatre  |       |
| THEA 3104   | Junior Voice for Contemporary Musical Theatre |       |
| THEA 3113   | Workshop in Traditional Musical Theatre II    |       |
| THEA 3114   | Workshop in Contemporary Musical Theatre II   |       |
| THEA 4103   | Senior Voice for Traditional Musical Theatre  |       |
| THEA 4104   | Senior Voice for Contemporary Musical Theatre |       |
| THEA 4113   | Workshop in Traditional Musical Theatre III   |       |
| THEA 4114   | Workshop in Contemporary Musical Theatre III  |       |
| THEA 3298   | Ballet II                                     |       |
| THEA 4297   | Jazz II                                       |       |
| THEA 4298   | Tap II  |       |
| Three additional semester hours of 3000-4000 level THEA courses |   | 3     |
| Additional Requirements   |   |       |
| Must be admitted to the concentration by faculty jury.          |   |       |

Successful progress in Musical Theatre coursework after admission to the concentration.

**Total Hours** 15

## Theatre Arts - Secondary Major

### Secondary Major in Theatre Arts

**Code** **Title** **Hours**

Thirty-three semester hours including the following:

#### Required Courses

|  |                                   |    |
|--|-----------------------------------|----|
| THEA 1301  | Acting I: Realism                 | 3  |
| or THEA 1302   | Acting Realism: Scene Study       |    |
| or THEA 2383   | Theatrical Drawing and Rendering  |    |
| THEA 1312  | Scenic Elements                   | 3  |
| THEA 1316  | Costume and Stage Makeup Elements | 3  |
| THEA 2371  | Lighting and Sound Elements       | 3  |
| THEA 2374  | Theater History I                 | 3  |
| THEA 2375  | Theater History II                | 3  |
| THEA 3001  | Production Lab (two semesters)    | 0  |
| Fifteen semester hours of 3000-4000 level THEA courses |                                   | 15 |

#### Additional Requirements

Must be admitted to the Department of Theatre Arts by audition/interview.

Active participation in all departmental play productions.

**Total Hours** 33

## Theatre Design and Technology Minor

### Minor in Theatre Design and Technology

**Code** **Title** **Hours**

Eighteen semester hours, nine of which must be at the 3000-4000 level, including the following:

#### Required Courses

|              |                                     |   |
|--------------|-------------------------------------|---|
| THEA 1312    | Scenic Elements                     | 3 |
| or THEA 1316 | Costume and Stage Makeup Elements   |   |
| or THEA 2371 | Lighting and Sound Elements         |   |
| THEA 1383    | Theatrical Drafting                 | 3 |
| or THEA 2383 | Theatrical Drawing and Rendering    |   |
| or THEA 2370 | Technology Fundamentals for Theatre |   |
| THEA 3001    | Production Lab (two semesters)      | 0 |

Select three semester hours from the following: 3

|           |                                 |
|-----------|---------------------------------|
| THEA 2390 | Stage Management                |
| THEA 3326 | Costume Design                  |
| THEA 3370 | Scene Design                    |
| THEA 3371 | Lighting Design                 |
| THEA 3380 | Sound Design                    |
| THEA 4398 | Technical Direction for Theater |

Select nine semester hours from the following: 9

|           |                                     |
|-----------|-------------------------------------|
| THEA 1312 | Scenic Elements                     |
| THEA 1316 | Costume and Stage Makeup Elements   |
| THEA 1383 | Theatrical Drafting                 |
| THEA 2370 | Technology Fundamentals for Theatre |

|           |  |
|-----------|--|
| THEA 2371 | Lighting and Sound Elements                |
| THEA 2383 | Theatrical Drawing and Rendering           |
| THEA 2390 | Stage Management                           |
| THEA 3316 | Costume Draping and Patterning             |
| THEA 3326 | Costume Design                             |
| THEA 3363 | Metal-Working for the Theatre              |
| THEA 3370 | Scene Design                               |
| THEA 3371 | Lighting Design                            |
| THEA 3372 | Scene Painting                             |
| THEA 3380 | Sound Design                               |
| THEA 3383 | Computer Aided Drafting and Modeling       |
| THEA 4321 | History of Costume                         |
| THEA 4322 | History of Decor in the Western World      |
| THEA 4326 | Advanced Costume Design                    |
| THEA 4351 | Automated Lighting                         |
| THEA 4370 | Advanced Scene Design                      |
| THEA 4384 | Advanced Sound Design                      |
| THEA 4390 | Advanced Stage Management                  |
| THEA 4398 | Technical Direction for Theater            |
| THEA 4V99 | Special Studies in Theater Arts for Majors |

#### Additional Requirements

Must be admitted to the Department of Theatre Arts by interview.

**Total Hours** 18

## Multidisciplinary Programs

### Bioethics

- Bioethics Certificate (p. 249)

### Leadership in Medicine

- Leadership in Medicine Minor (p. 250)

### Legal Reasoning and Analysis

- Legal Reasoning and Analysis Minor (p. 250)

### Women's and Gender Studies

- Women's and Gender Studies Minor (p. 252)

### Women's and Gender Studies (WGS)

#### WGS 2300 Women's and Gender Studies: An Introduction (3)

An interdisciplinary exploration of critical questions about the meaning of gender in society. Includes contemporary debates about appropriate gender roles, body image, violence against women, access to education and occupations, and women's healthcare.

### Bioethics Certificate

Those who work in fields involving human health face problems that are increasingly ethically complex, and to respond to such challenges in ways that are ethically acceptable, and even promote human flourishing, requires a honed attentiveness to morally relevant issues and virtues such as wisdom, courage, compassion, and justice. The purpose of the Bioethics Certificate is to prepare students for excellence in their respective vocations, and this not only in the technical sense—laying the

foundation for proficiencies needed for those professions—but also in a moral sense.

Through the certificate, students will learn the major methodological approaches to biomedical ethics and cover the most common issues that arise in bioethics and they will practice ethical reasoning about difficult historical cases and learn the history of the field:

- 1. The core courses are required as they will introduce students to the field of bioethics.
- 2. In the theoretical course, students will explore foundational questions in bioethics.
- 3. The applied bioethics courses each take a narrower focus on social and ethical issues as they relate to a specific domain of healthcare, medicine, or scientific research.

## Requirements for a Certificate in Bioethics

| Code  | Title   | Hours     |
|---|---|-----------|
| Twelve semester hours including the following:  |   |           |
| <b>Required Courses</b>                         |   |           |
| <i>Bioethics Core Courses</i>                   |   |           |
| PHI 1309  | Introduction to Medical Ethics                      | 3         |
| REL 4395  | Bioethics   | 3         |
| <i>Theoretical Bioethics Courses</i>            |   |           |
| Select three semester hours from the following: |   | 3         |
| ANT 4325  | Medical Anthropology                                |           |
| PHI 3301  | Moral Philosophy                                    |           |
| PHI 4325  | Literary and Philosophical Perspectives on Medicine |           |
| PHI 4363  | Philosophy and Medicine                             |           |
| MH/CLA 4300                                     | History of Medicine                                 |           |
| MH 4396   | Disability and Society                              |           |
| <i>Applied Bioethics Courses</i>                |   |           |
| Select three semester hours from the following: |   | 3         |
| ANT 4362  | Applied Anthropology                                |           |
| HIS 4300  | History of Medicine                                 |           |
| MH 4351   | Supervised Clinical Medicine                        |           |
| MH 4372   | End-of-Life Care & Bereavement                      |           |
| MH 4382   | U.S. Health Care System                             |           |
| PUBH 4340                                       | Global Health                                       |           |
| SWO 4316  | Trauma, Loss, and Mourning                          |           |
| <b>Total Hours</b>                              |   | <b>12</b> |

## Leadership in Medicine Minor

Eligibility for this highly selective program will require enrollment in either the Humanities Research Fellows, Science Research Fellows Program, Business Fellows Program, Honors Program, or University Scholars Program. Students will have to have earned and maintain a minimum cumulative GPA of 3.5 to be eligible to participate in the minor. A final cohort of as many as 15 students would be chosen based upon interviews and an essay about interest in the program. Students who successfully complete the program will be invited to apply for the one-year Accelerated Baylor Healthcare MBA program specifically tailored for premed students.

Premedical students will gain three distinct advantages from the minor in medical leadership. First, they will be better practitioners of health care in the future. Those students entering professional health care occupations will benefit from increasing their understanding of health care to include an understanding of systems thinking, ethics, and economics. As a result, students will be empowered in this minor to be effective agents of beneficial change in the healthcare industry and leaders within the medical profession.

## Requirements for a Minor in Leadership in Medicine

| Code  | Title                                 | Hours     |
|---|---------------------------------------|-----------|
| <b>Required Courses</b>   |                                       |           |
| Eighteen semester hours including the following:  |                                       |           |
| MH 4382   | U.S. Health Care System               | 3         |
| PHI 1309  | Introduction to Medical Ethics        | 3         |
| or REL 4395   | Bioethics                             |           |
| Select nine semester hours from the following:  |                                       | 9         |
| ANT 4330  | Epidemiology                          |           |
| ECO 4350  | Economics of Health and Medical Care  |           |
| GTX 3350  | Great Texts in Leadership             |           |
| SOC 4353  | Sociology of Medicine                 |           |
| SOC 3372  | Population Health                     |           |
| SOC 4393  | Sociology of Aging                    |           |
| PUBH 3351   | Epidemiology/Vital Statistics         |           |
| <i>Leadership in Medicine and Service</i>   |                                       |           |
| Select a capstone seminar course from the following:  |                                       |           |
| HON 3V70  | Readings in the Honors Program        | 3         |
| or MH 4V98  | Advanced Topics in Medical Humanities |           |
| <i>Engaged Learning Experience</i>  |                                       |           |
| Select one of the following:  |                                       |           |
| Chief Medical Officer summer internship between junior and senior year                      |                                       |           |
| Structured Reading Mentorship Program with a team project at the completion of the semester |                                       |           |
| <b>Total Hours</b>  |                                       | <b>18</b> |

## Legal Reasoning and Analysis Minor

The Legal Reasoning and Analysis (LRA) minor is ideal for students interested in preparing for the Pre-Law track. It provides a solid foundation for legal education and exposes students to the type of reasoning that law students and lawyers use. It also includes the core skills and values that the American Bar Association recommends for success in law school and the legal profession.

Students who are not Pre-Law may choose to minor in LRA to understand how law and reasoning affect their chosen major or field of study. However, if chosen for Pre-Law preparation, the LRA minor also prepares students for academic success on the LSAT.

Courses include Critical thinking, Argumentative and Persuasive Writing, Contemporary Ethical Theory, Law and Economics, and Economics of Poverty & Discrimination.

## Requirements for a Minor in Legal Reasoning and Analysis

| Code  | Title  | Hours     |
|---|--|-----------|
| <b>Required Courses</b>   |  |           |
| Eighteen semester hours, nine of which must be at the 3000-4000 level, including the following:                   |  |           |
| <i>Logic</i>  |  |           |
| Select three semester hours from the following:   |  | 3         |
| PHI 1306  | Logic  |           |
| PHI 1307  | Critical Thinking                            |           |
| PHI 4345  | Intermediate Logic                           |           |
| <i>Analytical Reasoning</i>   |  |           |
| Select three semester hours from the following:   |  | 3         |
| ACC 2301  | Survey of Accounting                         |           |
| ECO 1305  | Issues in Economics for Non-Business Majors  |           |
| ECO 1380  | Introduction to Economic Analysis and Policy |           |
| ECO 2306  | Principles of Microeconomics                 |           |
| PSY 2402  | Statistics                                   |           |
| STA 1380  | Elementary Statistics                        |           |
| STA 2381  | Introductory Statistical Methods             |           |
| STA 3381  | Probability and Statistics                   |           |
| SOC 3402  | Social Statistics                            |           |
| <i>Categories</i>   |  |           |
| Twelve semester hours from the following categories. Courses must be taken from four of the six categories below: |  | 12        |
| Background Knowledge and Exposure to Law (p. 252)   |  |           |
| Commitment to Justice (p. 252)  |  |           |
| Critical Reasoning and Problem Solving (p. 251)   |  |           |
| Oral Communication (p. 251)   |  |           |
| Research (p. 252)   |  |           |
| Writing and Editing (p. 251)  |  |           |
| <i>Additional Requirements</i>  |  |           |
| A grade of C is required for all courses in the minor.  |  |           |
| <b>Total Hours</b>  |  | <b>18</b> |

## Legal Reasoning & Analysis Category Critical Reasoning & Problem Solving

| Code                  | Title                          | Hours |
|-----------------------|--------------------------------|-------|
| <b>Course Options</b> |                                |       |
| ANT 4305              | Anthropological Theory         | 3     |
| CLA 3301              | Roman History and Civilization | 3     |
| CLA 3302              | Greek History and Civilization | 3     |
| CLA 2306              | Greek and Roman Mythology      | 3     |
| CSI 1401              | Introduction to Programming I  | 4     |
| CSS 4394              | Rhetorical Theory              | 3     |
| ECO 4317              | The Economics of Regulation    | 3     |
| ECO 4319              | Game Theory                    | 3     |
| ENG 3371              | History of Critical Theory     | 3     |
| ENG 4384              | Contemporary Critical Theory   | 3     |

|           |   |   |
|-----------|---|---|
| ENV 2376  | Environment and Society   | 3 |
| ENV 3300  | The Environment and Political Processes                                     | 3 |
| GTX 3343  | Great Texts in the Origins of Science                                       | 3 |
| GTX 4351  | Confession and Autobiography  | 3 |
| HIS 4338  | Cultural and Intellectual History of Europe through the Seventeenth Century | 3 |
| HIS 4339  | Cultural and Intellectual History of Modern Europe                          | 3 |
| LING 4302 | Semantics and Pragmatics  | 3 |
| PHI 4311  | Epistemology  | 3 |
| PHI 4342  | Contemporary American Philosophy  | 3 |
| PHI 4345  | Intermediate Logic  | 3 |
| PHI 4353  | Philosophy of Language  | 3 |
| PHI 4360  | Contemporary Ethical Theory   | 3 |
| PHI 4361  | Social Philosophy   | 3 |
| PSC 3363  | Western Political Thought: Classical and Medieval                           | 3 |
| PSC 3373  | Western Political Thought: Modern   | 3 |
| PSC 4365  | International Political Economics   | 3 |
| PSC 4373  | Special Topics in Political Philosophy                                      | 3 |
| PSC 4395  | Terrorism   | 3 |
| REL 4395  | Bioethics   | 3 |
| SOC 4391  | Social Theory   | 3 |

## Legal Reasoning & Analysis Category Writing & Editing

| Code   | Title   | Hours |
|--|---|-------|
| <b>Course Options</b>  |   |       |
| ENG 3302   | Modern English Grammar                                | 3     |
| ENG 3305   | Sociolinguistics                                      | 3     |
| ENG 3310   | Introduction to Linguistics                           | 3     |
| JOU 3372   | Writing for Media Markets                             | 3     |
| PHI 4319   | Philosophical Writing, Research and Oral Presentation | 3     |
| PWR 3303   | Persuasive and Argumentative Writing                  | 3     |
| PWR 4309   | Undergraduate Research and Publication                | 3     |
| PWR 4375   | Special Topics Lecture in Writing and Rhetoric        | 3     |
| Any 3000-4000 level course in ARB, CHI, FRE, GER, GRK, ITA, JPN, LAT, SPA, RUS |   | 3     |

## Legal Reasoning & Analysis Category Oral Communication

| Code                  | Title   | Hours |
|-----------------------|---|-------|
| <b>Course Options</b> |   |       |
| CSS 1304              | Argumentation, Discussion, and Debate           | 3     |
| CSS 3302              | Introduction to Rhetorical Theory and Criticism | 3     |
| CSS 3307              | Legal Communication                             | 3     |
| CSS 3316              | Persuasion and Communication                    | 3     |

|  |   |     |
|--|---|-----|
| HIS 2V89   | Introduction to Model Organization of American States | 1-3 |
| HIS 4V89   | Advanced Model Organization of American States        | 1-3 |
| MGT 4320   | Negotiating and Conflict Resolution                   | 3   |
| MES 4V01   | Readings in Mid-East Studies                          | 1-3 |
| PSC 3311   | Moot Court  | 3   |
| PSC 3375   | Model United Nations                                  | 3   |
| Any 3000-4000 level course in ARB, CHI, FRE, GER, GRK, ITA, JPN, LAT, SPA, RUS |   |     |

## Legal Reasoning & Analysis Category Research

| Code                  | Title   | Hours |
|-----------------------|---|-------|
| <b>Course Options</b> |   |       |
| ANT 4362              | Applied Anthropology                                    | 3     |
| ENV 3303              | Directed Reading in Environmental Studies               | 3     |
| ENV 4V90              | Advanced Individual Research Problems                   | 1-3   |
| HIS 4340              | Special Topics in History                               | 3     |
| HIS 4348              | Reading Course in European History                      | 3     |
| HIS 4398              | Reading Course in American History                      | 3     |
| LAS 4390              | Advanced Reading and Research in Latin American Studies | 3     |
| LING 4V20             | Independent Study in Linguistics                        | 1-3   |
| PHI 4V99              | Special Topics in Philosophy                            | 1-3   |
| PSC 3301              | Scope and Methods of Political Science                  | 3     |
| PSC 4390              | Reading Course in Political Science                     | 3     |
| SOC 4303              | Applied Sociology                                       | 3     |
| SOC 4381              | Methods of Social Research                              | 3     |
| SOC 4V70              | Special Topics in Sociology                             | 1-3   |

## Legal Reasoning & Analysis Category Background Knowledge & Exposure to Law

| Code                  | Title  | Hours |
|-----------------------|--|-------|
| <b>Course Options</b> |  |       |
| BL 3305               | Legal Environment of Business                          | 3     |
| BL 4303               | Employment Law   | 3     |
| BL 4310               | Cyberlaw   | 3     |
| BL 4320               | International Business Law                             | 3     |
| BL 4325               | Legal Aspects of Financial and Commercial Transactions | 3     |
| FORS 3340             | Expert Witness Testimony                               | 3     |
| ECO 4318              | Law and Economics                                      | 3     |
| ENV 4307              | Environmental Law                                      | 3     |
| HIS 4363              | American Revolution and Constitution                   | 3     |
| HIS 4375              | The American Civil Rights Movement                     | 3     |
| JOU 4380              | Law and Ethics of Journalism                           | 3     |
| PHI 2301              | Existentialism   | 3     |
| PHI 3318              | Philosophy and Constitutional Issues                   | 3     |
| PHI 4318              | Philosophy of Law                                      | 3     |

|          |                                       |   |
|----------|---------------------------------------|---|
| PSC 3353 | American Political Thought            | 3 |
| PSC 3321 | Criminal Law                          | 3 |
| PSC 3339 | Law and Religion in the United States | 3 |
| PSC 3372 | Law, Justice and the Community        | 3 |
| PSC 3392 | Washington Internship                 | 3 |
| PSC 4305 | International Law                     | 3 |
| PSC 4321 | Administrative Law                    | 3 |
| PSC 4342 | Public Policy and the Courts          | 3 |
| PSC 4361 | American Constitutional Law           | 3 |
| PSC 4381 | American Constitutional Law           | 3 |
| PSC 4383 | Contemporary Political Thought        | 3 |
| PSC 4375 | International Organization            | 3 |
| PSY 3380 | Forensic Psychology                   | 3 |
| SOC 3360 | Juvenile Delinquency                  | 3 |
| SOC 4335 | Sociology of Law                      | 3 |
| SOC 4352 | Criminology                           | 3 |

## Legal Reasoning & Analysis Category Commitment to Justice

| Code                  | Title   | Hours |
|-----------------------|---|-------|
| <b>Course Options</b> |   |       |
| CSS 4336              | Seminar in Contemporary Communication Issues                | 3     |
| ECO 3355              | Introduction to the Economics of Poverty and Discrimination | 3     |
| HIS 4375              | The American Civil Rights Movement                          | 3     |
| PHI 3301              | Moral Philosophy  | 3     |
| REL 3390              | Christian Ethics  | 3     |
| REL 3394              | War and Peace in the Christian Tradition                    | 3     |
| REL 4393              | Environmental Ethics  | 3     |
| SOC 3311              | The Sociology of Race and Ethnicity                         | 3     |
| SOC 4322              | Stratification in Society                                   | 3     |
| SWO 4315              | Foundations for Social Justice                              | 3     |
| SWO 4317              | Human Trafficking   | 3     |
| TED 3341              | Teaching Associate Secondary Part II                        | 3     |

## Women's and Gender Studies Minor

Women's and Gender Studies are the interdisciplinary studies of the human experience that place women and gender at the center of scholarly inquiry. Women's and Gender Studies courses emphasize the intellectual, artistic, political, social, economic, and spiritual contributions of women, which traditional scholarship long overlooked or denigrated. Courses also use the lens of gender to analyze a broader range of issues, including the social and cultural meanings of masculinity, femininity, and identity construction.

This minor prepares students to live and work in an increasingly diverse culture, and students educated in the critical theories and methods of Women's and Gender Studies have highly marketable skills. This minor is especially valuable for students entering occupations in business, education, health care, media, marketing, politics, law, ministry, and social services.



## Requirements for a Minor in Women's and Gender Studies

| Code  | Title  | Hours     |
|---|--|-----------|
| Eighteen semester hours including the following:  |  |           |
| <b>Required Courses</b>                           |  |           |
| WGS 2300  | Women's and Gender Studies: An Introduction  | 3         |
| Select fifteen semester hours from the following: |  | 15        |
| ARTH 3391   | Women in Modern and Contemporary Art History |           |
| ARTH/CLA 4361                                     | Greek Painted Pottery                        |           |
| CFS 4356  | The Family: A Global Perspective             |           |
| CFS 4363  | Adolescent Development                       |           |
| CLA 3330  | Women and Gender in Antiquity                |           |
| CSS 3311  | Interpersonal Communication                  |           |
| CSS 4313  | Communication and the Family                 |           |
| CSS 4350  | Rhetoric of Women and Gender                 |           |
| EDP 2336  | The Developing Child                         |           |
| ENG 4370  | Women Writers                                |           |
| GTX 3330  | Great Texts by Women                         |           |
| HIS 2390  | Introduction to Women's and Gender History   |           |
| HIS 3306  | Women and Gender in Chinese History          |           |
| HIS 4334  | A History of Women in Europe to 1200         |           |
| HIS 4335  | A History of Women in Europe since 1200      |           |
| HIS 4377  | History of the American Woman, 1600-1865     |           |
| HIS 4378  | History of the American Woman Since 1865     |           |
| JOU 4305  | Gender, Race & Media                         |           |
| PHI 3320  | Philosophical Issues in Feminism             |           |
| PWR 3316  | Women's Writing and Rhetoric                 |           |
| REL 3338  | Women in Christian History                   |           |
| REL 3397  | Gender, Feminism and Theology                |           |
| REL 4338  | Women in Religion in America                 |           |
| SOC 3354  | Marriage and the Family                      |           |
| SWO 4315  | Foundations for Social Justice               |           |
| <b>Total Hours</b>                                |  | <b>18</b> |

*Note: Occasionally special topics courses in various departments within the College of Arts & Sciences concentrate on women's and gender issues. When appropriate content is offered, such courses may apply to the minor with approval of the Director of Women's and Gender Studies.*

## Intrauniversity Programs

### Computer Science

- Computer Science, B.A. (p. 253)

### Economics

- Economics, B.A. (p. 254)
- Economics, B.S. (p. 255)

## Great Texts Program

- Great Texts of the Western Tradition - Secondary Major (p. 256)

## Music

- Music, B.A. (p. 256)

## Recreation Ministry

- Recreation Ministry Minor (p. 257)

## University Scholars

- University Scholars Program (p. 258)

## Computer Science, B.A.

### Requirements for a Major in Computer Science

The Bachelor of Arts degree with a major in computer science provides a traditional liberal arts education with a solid set of core courses in computer science. These courses provide the foundation necessary for advancement in computer science. During the sophomore year, a student selects one of several areas of concentration. Students may choose a concentration program from computer science or any approved minor in another discipline.

An important characteristic of the Baylor computer science program is the integration of software, hardware, theory, and design methodology throughout the curriculum. A highly personalized education is provided by faculty who are dedicated to undergraduate education with small classes and state-of-the-art laboratories. The programs are broadly based to prepare computer science graduates for the increasingly complex and ever-changing field of computer science.

In addition to a Bachelor of Arts degree with a major in computer science, the Department of Computer Science offers a Bachelor of Science in Computer Science (B.S.C.S.) degree accredited by the

Computing Accreditation Commission of the Accreditation Board for Engineering and Technology  
111 Market Place, Suite 1050  
Baltimore, MD 21202-4012  
Telephone: (410) 347-7700

The requirements for the B.S.C.S. and B.S.I. are presented in the School of Engineering & Computer Science section of the Undergraduate Catalog.

#### Option A - Computer Science Major (Computer Science Concentration)

| Code  | Title   | Hours |
|---|---|-------|
| <b>Required Courses</b>   |   |       |
| Fifty-two semester hours of computer science including the following: |   |       |
| CSI 1430  | Introduction to Computer Science I with Laboratory  | 4     |
| CSI 1440  | Introduction to Computer Science II with Laboratory | 4     |
| CSI 2334  | Introduction to Computer Systems                    | 3     |
| CSI 2350  | Discrete Structures                                 | 3     |

|   |                                   |   |
|---|-----------------------------------|---|
| CSI 3334                                      | Data Structures                   | 3 |
| CSI 3335                                      | Database Design and Applications  | 3 |
| CSI 3336                                      | Systems Programming               | 3 |
| CSI 3344                                      | Introduction to Algorithms        | 3 |
| CSI 3372                                      | Software Engineering II           | 3 |
| CSI 3439                                      | Computer Architecture             | 4 |
| CSI 3471                                      | Software Engineering I            | 4 |
| CSI 4321                                      | Data Communications               | 3 |
| CSI 4330                                      | Foundations of Computing          | 3 |
| CSI 4337                                      | Introduction to Operating Systems | 3 |
| CSI 43C9                                      | Capstone Design Project           | 3 |
| Three semester hours of 3000-4000 CSI courses |                                   | 3 |

**Additional Requirements**

A grade of "C" or better is required in all computer science hours counted toward the major.

**Subtotal** 52

**Required Courses in Other Fields**

|                         |  |   |
|-------------------------|--|---|
| PWR 3300                | Technical Writing  | 3 |
| MTH 1321                | Calculus I   | 3 |
| STA 2381<br>or STA 3381 | Introductory Statistical Methods<br>Probability and Statistics | 3 |
| CSS 1302                | Speech for Business and Professional Students                  | 3 |

**Total Hours** 64

<sup>1</sup> "C" or better in MTH 1322 Calculus II is the prerequisite for STA 3381 Probability and Statistics

## Option B - Computer Science Major (Additional Minor Concentration)

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

**Required Courses**

Forty-two semester hours of computer science including the following:

|          |   |   |
|----------|---|---|
| CSI 1430 | Introduction to Computer Science I with Laboratory  | 4 |
| CSI 1440 | Introduction to Computer Science II with Laboratory | 4 |
| CSI 2334 | Introduction to Computer Systems                    | 3 |
| CSI 2350 | Discrete Structures                                 | 3 |
| CSI 3334 | Data Structures                                     | 3 |
| CSI 3335 | Database Design and Applications                    | 3 |
| CSI 3336 | Systems Programming                                 | 3 |
| CSI 3344 | Introduction to Algorithms                          | 3 |
| CSI 3372 | Software Engineering II                             | 3 |
| CSI 3471 | Software Engineering I                              | 4 |
| CSI 4321 | Data Communications                                 | 3 |
| CSI 4337 | Introduction to Operating Systems                   | 3 |
| CSI 43C9 | Capstone Design Project                             | 3 |

**Additional Requirements**

A grade of "C" or better is required in all computer science hours counted toward the major

**Subtotal** 42

**Required Courses in Other Fields**

Complete any minor conferred by the College of Arts & Sciences other than the computer science minor.

|                         |  |   |
|-------------------------|--|---|
| PWR 3300                | Technical Writing  | 3 |
| MTH 1321                | Calculus I   | 3 |
| STA 2381<br>or STA 3381 | Introductory Statistical Methods<br>Probability and Statistics | 3 |
| CSS 1302                | Speech for Business and Professional Students                  | 3 |

**Total Hours** 54

<sup>1</sup> "C" or better in MTH 1322 Calculus II is the prerequisite for STA 3381 Probability and Statistics

**Note:** The following courses are not applicable to the major or minor in computer science or as degree electives without written permission from the Computer Science Department Chair:

| Code     | Title                             | Hours |
|----------|-----------------------------------|-------|
| CSI 1337 | Introduction to Video Game Design | 3     |
| CSI 1401 | Introduction to Programming I     | 4     |
| CSI 1402 | Introduction to Programming II    | 4     |
| CSI 2300 | Introduction to Data Science      | 3     |
| CSI 3303 | Information Technology            | 3     |

## Economics, B.A.

Current students wishing to declare the Economics major (BA or BS) in the College of Arts & Sciences must meet both of the following requirements:

1. have completed MTH 1321 Calculus I with a minimum grade of "C", and
2. have an overall GPA of 3.0 or higher.

Transfer students must wait to earn a Baylor GPA of 3.0 or higher before declaring the Economics major.

## Requirements for a Major in Economics

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

**Required Courses**

Twenty-seven semester hours including the following:

*Core Economics Courses*<sup>1</sup>

|                         |  |   |
|-------------------------|--|---|
| ECO 2306                | Principles of Microeconomics <sup>2</sup>                | 3 |
| ECO 2307                | Principles of Macroeconomics <sup>2</sup>                | 3 |
| ECO 3306                | Intermediate Microeconomic Analysis                      | 3 |
| ECO 3305<br>or ECO 3307 | Money and Banking<br>Intermediate Macroeconomic Analysis | 3 |

*Economics Electives*<sup>3</sup>

Fifteen semester hours of 3000-4000 level ECO courses, nine of which must be at the 4000-level

**Subtotal** 27

**Required Courses in Other Fields**

MTH 1321 Calculus I<sup>4</sup> 3

Select one course from the following: 3

|          |                       |  |
|----------|-----------------------|--|
| STA 1380 | Elementary Statistics |  |
|----------|-----------------------|--|

|                    |                                  |           |
|--------------------|----------------------------------|-----------|
| STA 2381           | Introductory Statistical Methods |           |
| STA 3381           | Probability and Statistics       |           |
| QBA 2302           | Business Data Analysis I         |           |
| <b>Total Hours</b> |                                  | <b>33</b> |

<sup>1</sup> Economics majors must earn a minimum grade of C in each of these courses. Students earning a C-minus or less in any of these courses may only retake the course once to meet the minimum grade requirement. Except for credit earned prior to initial matriculation at Baylor, students majoring in Economics must complete all core Economics courses (ECO 2306 Principles of Microeconomics, ECO 2307 Principles of Macroeconomics, ECO 3306 Intermediate Microeconomic Analysis, and ECO 3305 Money and Banking or ECO 3307 Intermediate Macroeconomic Analysis) at Baylor; post-matriculation transfer credit will not count toward the major even if the student was not an Economics major at the time the transfer credit was earned.

<sup>2</sup> Qualified students may take ECO 1380 Introduction to Economic Analysis and Policy in lieu of ECO 2306 Principles of Microeconomics and ECO 2307 Principles of Macroeconomics, but doing so does not reduce the number of semester hours required for the major. Economics majors taking ECO 1380 Introduction to Economic Analysis and Policy must earn a minimum grade of C in the course.

<sup>3</sup> ECO 3308 Engineering Economic Analysis and ECO 3355 Introduction to the Economics of Poverty and Discrimination do not count toward the Economics major

<sup>4</sup> Economics majors must earn a minimum grade of C in MTH 1321 Calculus I. Students earning C-minus or less may only retake MTH 1321 Calculus I once to meet the minimum grade requirement.

## Economics, B.S.

Current students wishing to declare the Economics major (BA or BS) in the College of Arts & Sciences must meet both of the following requirements:

1. have completed MTH 1321 Calculus I with a minimum grade of "C", and
2. have an overall GPA of 3.0 or higher.

Transfer students must wait to earn a Baylor GPA of 3.0 or higher before declaring the Economics major.

## Requirements for a Major in Economics

| Code   | Title                                     | Hours     |
|--|---|-----------|
| <b>Required Courses</b>  |   |           |
| Twenty-seven semester hours including the following:                                   |   |           |
| <i>Core Economics Courses</i> <sup>1</sup>   |   |           |
| ECO 2306   | Principles of Microeconomics <sup>2</sup> | 3         |
| ECO 2307   | Principles of Macroeconomics <sup>2</sup> | 3         |
| ECO 3306   | Intermediate Microeconomic Analysis       | 3         |
| ECO 3305   | Money and Banking                         | 3         |
| or ECO 3307  | Intermediate Macroeconomic Analysis       |           |
| ECO 4347   | Econometrics                              | 3         |
| Twelve semester hours of 3000-4000 ECO courses, six of which must be at the 4000-level |   | 12        |
| <b>Subtotal</b>  |   | <b>27</b> |
| <b>Required Courses in Other Fields</b>  |   |           |

|   |   |   |
|---|---|---|
| MTH 1321  | Calculus I <sup>4</sup>   | 3 |
| STA 2381  | Introductory Statistical Methods  | 3 |
| or STA 3381   | Probability and Statistics  |   |
| Eight semester hours of science courses (with no more than 4 hours from GEO) with appropriate labs selected from the following: |   | 8 |
| BIO 1305 & BIO 1105   | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |   |
| BIO 1306 & BIO 1106   | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |   |
| CHE 1301 & CHE 1101   | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |   |
| CHE 1302 & CHE 1102   | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |   |
| ENV 1301 & ENV 1101   | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)    |   |
| GEO 1306 & GEO 1106   | The Earth Through Time and The Earth Through Time, Laboratory                         |   |
| or GEO 1307 & GEO 1106  | Evolution and Extinction and The Earth Through Time, Laboratory                       |   |
| GEO 1401  | Earthquakes and Other Natural Disasters   |   |
| GEO 1402  | World Oceans  |   |
| GEO 1403  | Environmental Geology   |   |
| GEO 1405  | The Dynamic Earth   |   |
| GEO 1408  | Earth Science   |   |
| NSC 1306 & NSC 1106   | Introduction to Neuroscience and Introduction to Neuroscience Laboratory              |   |
| PHY 1420  | General Physics I   |   |
| PHY 1430  | General Physics II  |   |

Twelve additional semester hours of science and mathematics, selected from one or more of the following: BIO, CHE, GEO, PHY, PSY, NSC, ENV, MTH, STA, and/or CSI (excluding MTH and STA courses taken to satisfy the requirement above). All courses must count toward the major in the respective departments.

**Total Hours** **53**

<sup>1</sup> Economics majors must earn a minimum grade of C in each of these courses. Students earning a C-minus or less in any of these courses may only retake the course once to meet the minimum grade requirement. Except for credit earned prior to initial matriculation at Baylor, students majoring in Economics must complete all core Economics courses (ECO 2306 Principles of Microeconomics, ECO 2307 Principles of Macroeconomics, ECO 3306 Intermediate Microeconomic Analysis, and ECO 3305 Money and Banking or ECO 3307 Intermediate Macroeconomic Analysis) at Baylor; post-matriculation transfer credit will not count toward the major even if the student was not an Economics major at the time the transfer credit was earned.

<sup>2</sup> Qualified students may take ECO 1380 Introduction to Economic Analysis and Policy in lieu of ECO 2306 Principles of Microeconomics and ECO 2307 Principles of Macroeconomics, but doing so does not reduce the number of semester hours required for the major. Economics majors taking ECO 1380 Introduction to Economic Analysis and Policy must earn a minimum grade of C in the course.

<sup>3</sup> ECO 3308 Engineering Economic Analysis and ECO 3355 Introduction to the Economics of Poverty and Discrimination do not count toward the Economics major.

<sup>4</sup> Economics majors must earn a minimum grade of C in MTH 1321 Calculus I. Students earning C-minus or less may only retake MTH 1321 Calculus I once to meet the minimum grade requirement.

**Note:** Students interested in the B.B.A. degree should see the Hankamer School of Business section of this catalog. Prospective teachers of economics should refer to the School of Education section of this catalog.

## Great Texts Program

See Honors College (p. 432).

## Great Texts of the Western Tradition - Secondary Major

### Requirements for a Secondary Major in Great Texts

| Code  | Title   | Hours     |
|---|---|-----------|
| <b>Required Courses</b>   |   |           |
| Thirty semester hours including the following:  |   |           |
| GTX 2301  | Intellectual Traditions of the Ancient World : Literature and Thought | 3         |
| GTX 2302  | Medieval Intellectual Traditions: Literature and Thought in Context   | 3         |
| GTX 3320  | Middle Ages   | 3         |
| GTX 3321  | Early Modern Age  | 3         |
| GTX 4320  | Eighteenth and Nineteenth Centuries                                   | 3         |
| GTX 4321  | Twentieth Century   | 3         |
| GTX 4343  | Great Texts Capstone Course   | 3         |
| Nine additional semester hours of GTX at least nine of which are at the 3000-4000 level |   | 9         |
| <b>Total Hours</b>  |   | <b>30</b> |

## Music, B.A.

In addition to admission to the university, an applicant for any music degree must separately apply to the School of Music and audition on their principal instrument for acceptance into the school.

Students accepted as music majors are notified by the Office of the Dean of the School of Music. Detailed information about audition expectations and repertoire is available on the School of Music website.

Students seeking a Bachelor of Arts degree with a major in music will be advised through the School of Music.

**Note:** To apply to the degree, credit hours earned beyond the core and music major must be general electives, another minor, or another major.

## Requirements for a Major in Music

### Major – Music (Academic Studies)

| Code                                 | Title | Hours |
|--------------------------------------|-------|-------|
| <b>Required Courses</b>              |       |       |
| <i>Music Theory and Musicianship</i> |       |       |

|  |  |           |
|--|--|-----------|
| MUS 1301 & MUS 1101  | Theory I and Musicianship I                          | 4         |
| MUS 1302 & MUS 1102  | Theory II and Musicianship II                        | 4         |
| MUS 2301 & MUS 2101  | Theory III and Musicianship III                      | 4         |
| MUS 2302 & MUS 2102  | Theory IV and Musicianship IV                        | 4         |
| MUS 3301   | Theory V   | 3         |
| <i>Music History</i>   |  |           |
| MUS 3324   | The History of Music before 1600                     | 3         |
| MUS 3325   | The History of Music from 1600 to 1800               | 3         |
| MUS 3326   | The History of Music from 1800 to World War I        | 3         |
| MUS 3327   | The History of Music from World War I to the Present | 3         |
| <i>Additional Requirements</i>                               |  |           |
| Large Ensemble   |  | 4         |
| Applied Music  |  | 8         |
| Students must pass piano level IIIs.                         |  |           |
| Six semester hours of 3000-4000 level Academic Music courses |  | 6         |
| MUS 4280   | Senior Seminar and Paper                             | 2         |
| MUS 1001   | Recital Attendance (6 semesters)                     | 0         |
| <b>Total Hours</b>   |  | <b>51</b> |

### Major – Music (Applied Studies)

| Code  | Title  | Hours |
|---|--|-------|
| <b>Required Courses</b>                           |  |       |
| <i>Music Theory and Musicianship</i>              |  |       |
| MUS 1301 & MUS 1101                               | Theory I and Musicianship I                          | 4     |
| MUS 1302 & MUS 1102                               | Theory II and Musicianship II                        | 4     |
| MUS 2301 & MUS 2101                               | Theory III and Musicianship III                      | 4     |
| MUS 2302 & MUS 2102                               | Theory IV and Musicianship IV                        | 4     |
| MUS 3301  | Theory V   | 3     |
| <i>Music History</i>                              |  |       |
| Select three courses from the following:          |  | 9     |
| MUS 3324  | The History of Music before 1600                     |       |
| MUS 3325  | The History of Music from 1600 to 1800               |       |
| MUS 3326  | The History of Music from 1800 to World War I        |       |
| MUS 3327  | The History of Music from World War I to the Present |       |
| <i>Additional Requirements</i>                    |  |       |
| Large Ensemble                                    |  | 4     |
| Applied Music – Emphasis Area                     |  | 8     |
| Applied Music – Advanced courses in Emphasis Area |  | 8     |
| Applied Music – Secondary Area                    |  | 3     |

Students must pass Piano Level IIIs. When the emphasis area is piano, these hours must be completed in another applied area.

|                                     |                                  |           |
|-------------------------------------|----------------------------------|-----------|
| MUS 1001                            | Recital Attendance (6 semesters) | 0         |
| BA Recital (Pass/Fail; zero credit) |                                  |           |
| <b>Total Hours</b>                  |                                  | <b>51</b> |

## Major – Music (Church Music)

| Code  | Title  | Hours     |
|---|--|-----------|
| <b>Required Courses</b>                       |  |           |
| <i>Music Theory and Musicianship</i>          |  |           |
| MUS 1301<br>& MUS 1101                        | Theory I<br>and Musicianship I                     | 4         |
| MUS 1302<br>& MUS 1102                        | Theory II<br>and Musicianship II                   | 4         |
| MUS 2301<br>& MUS 2101                        | Theory III<br>and Musicianship III                 | 4         |
| MUS 3301                                      | Theory V   | 3         |
| <i>Music History</i>                          |  |           |
| Select six semester hours from the following: |  | 6         |
| MUS 3324                                      | The History of Music before 1600                   |           |
| MUS 3325                                      | The History of Music from 1600 to 1800             |           |
| MUS 3326                                      | The History of Music from 1800 to World War I      |           |
| <i>Conducting</i>                             |  |           |
| MUS 2260                                      | Elementary Conducting (Music Education Elementary) | 2         |
| <i>Church Music</i>                           |  |           |
| MUS 3370                                      | The Musician as Educator in the Church             | 3         |
| MUS 3377                                      | Instrumental Music in the Church                   | 3         |
| MUS 4270                                      | Music Ministry Internship                          | 2         |
| MUS 4373                                      | Worship in the Church                              | 3         |
| MUS 4374                                      | The Song of the Church                             | 3         |
| MUS 4375                                      | Leadership in Music Ministry                       | 3         |
| <i>Additional Requirements</i>                |  |           |
| Large Ensemble                                |  | 4         |
| Applied Music                                 |  | 8         |
| Students must pass piano level IIs.           |  |           |
| MUS 1001                                      | Recital Attendance (6 semesters)                   | 0         |
| MUS 1007                                      | Church Music Forum (8 semesters)                   | 0         |
| <b>Total Hours</b>                            |  | <b>52</b> |

## Recreation Ministry Minor

### Requirements for a Minor in Recreation Ministry

| Code   | Title   | Hours |
|--|---|-------|
| <b>Required Courses</b>  |   |       |
| Eighteen semester hours including the following:                                       |   |       |
| REL 2480<br>or REL 3381  | Introduction to Ministry<br>Communication in Ministry | 3-4   |
| RLS 3302   | Program Planning in Leisure Services                  | 3     |
| RLS 4395   | Principles of Church Recreation                       | 3     |
| Select six hours of 3000-4000 level REL courses from two of the three following areas: |   | 6     |
| <i>Biblical Studies</i>  |   |       |

|   |   |   |
|---|---|---|
| REL 3V00  | Biblical Heritage and Contemporary Society in the Holy Land   |   |
| REL 3301  | Psalms and Wisdom Literature                                  |   |
| REL 3303  | Archaeology and the Bible                                     |   |
| REL 3304  | Prophets  |   |
| REL 3305  | Interpreting the Old Testament                                |   |
| REL 3311  | Jesus and the Gospels   |   |
| REL 3312  | The Johannine Literature                                      |   |
| REL 3314  | Paul and His Writings   |   |
| REL 3315  | The General Epistles  |   |
| REL 3319  | Interpreting the New Testament                                |   |
| REL 4302  | Archaeology and the Ancient Near East                         |   |
| REL 4305  | Topics in Old Testament Studies                               |   |
| REL 4315  | Topics in New Testament Studies                               |   |
| REL 4V06  | Palestinian Archaeology                                       |   |
| Historical Studies                              |   |   |
| REL 3330  | Introduction to Church History                                |   |
| REL 3338  | Women in Christian History                                    |   |
| REL 3344  | New Religious Movements in the United States                  |   |
| REL 3345  | World Religions   |   |
| REL 3333  | History of Roman Catholicism                                  |   |
| REL 4333  | History of Protestantism                                      |   |
| REL 4335  | Baptist Life and Thought                                      |   |
| REL 4336  | Introduction to Religion in America                           |   |
| REL 4338  | Women in Religion in America                                  |   |
| REL 4340  | Christian Missions  |   |
| REL 4343  | Topics in Islam   |   |
| REL 4346  | Topics in Asian Religions                                     |   |
| Theological Studies                             |   |   |
| REL 3351  | Introduction to Christian Theology                            |   |
| REL 3370  | Religion and Literature                                       |   |
| REL 3390  | Christian Ethics  |   |
| REL 3394  | War and Peace in the Christian Tradition                      |   |
| REL 3396  | Christianity and Films  |   |
| REL 4350  | Augustine's Theological Development                           |   |
| REL 4388  | Christian Literary Classics                                   |   |
| REL 4390  | Contemporary Christian Ethics Theory                          |   |
| REL 4393  | Environmental Ethics  |   |
| REL 4395  | Bioethics   |   |
| Select three semester hours from the following: |   | 3 |
| RLS 2388  | Leisure and Lifestyle Well-Being                              |   |
| RLS 2389  | Leadership and Facilitation in Leisure Services               |   |
| RLS 3301  | Theory & Practice of Outdoor Adventure Programs               |   |
| RLS 3382  | Risk Management in HHPR                                       |   |
| RLS 4301  | Outdoor Education   |   |
| RLS 4391  | Leisure Service Management                                    |   |
| RLS 4393  | Facilities and Equipment in HHPR                              |   |
| or RLS 4396                                     | Considerations for Diverse Populations in Leisure Programming |   |
| Additional Requirements                         |   |   |



A grade of "C-" or better is required in each course applied to this minor

**Total Hours** **18-19**

*The following courses will not be accepted for credit toward this minor:*

| Code     | Title                                 | Hours |
|----------|---------------------------------------|-------|
| REL 3339 | Law and Religion in the United States | 3     |
| REL 3348 | Hitler and the Holocaust              | 3     |
| REL 3396 | Christianity and Films                | 3     |
| REL 4348 | Modern Judaism                        | 3     |
| REL 4396 | Religion and Sport                    | 3     |
| REL 4398 | Sports-Related Ethics                 | 3     |

## University Scholars Program

See Honors College (p. 435).

## Pre-Professional Programs

- Pre-Law (p. 258)
- Pre-Health Programs (p. 258)

## Pre-Law

(See Interdisciplinary (p. 466) section of this catalog.)

## Pre-Health Programs

The Baylor Office of Prehealth Studies, located in the Baylor Sciences Building (Room B.111) provides resources for pre-professional tracks. Students should verify that they have the appropriate prehealth designator on their records in order to access program information on the Canvas website. To add or change a prehealth designator, students may see their academic or prehealth advisor.

Maintaining close contact with the professionals in the Office of Prehealth Studies is an important component of successful professional school application preparation. Workshops are available for academic advising, committee interview application, personal statement essay writing, and interviewing skills. Dates and times for workshops are posted on relevant Canvas lists, depending on the student's designated interest. Advising documents and presentations are available on Canvas for 24/7 access. Ask Prehealth sessions are available on a walk-in basis each weekday for general advising questions. Prehealth students must maintain a GPA of 3.0 or above to remain in the program. Failure to do so for two consecutive semesters will result in dismissal from the program.

- Pre-Medical/Pre-Dental Programs (p. 258)
- Pre-Occupational Therapy (p. 259)
- Pre-Optometry (p. 259)
- Pre-Pharmacy (p. 259)
- Pre-Physical Therapy (p. 259)
- Pre-Physician Assistant (p. 259)
- Pre-Podiatry (p. 259)
- Pre-Veterinary Medicine (p. 259)

Further information and advisement are available in:

The Office of Prehealth Studies

One Bear Place #97341

Waco, TX 76798-7341

254-710-3659

[www.baylor.edu/prehealth](http://www.baylor.edu/prehealth) (<http://www.baylor.edu/prehealth/>).

### PHP 1103 Nature of Healthcare Relationships (1)

Examines the nature of healthcare relationship from a number of perspectives, including both the patient and healthcare provider. Explores both professional and ethical issues and the means to cope with them.

### PHP 1105 Foundations of Medicine (1)

A broad survey of the premedical studies, the preparation for medical school admission, and the medical profession.

### PHP 1106 Introduction to the Health Professions (1)

A blended classroom format with lectures exploring various careers and graduate level study in health related professions and online content focusing on professionalism in healthcare, assessment of appropriate personal attributes, integrity, interpersonal communication, and career strategies.

### PHP 1206 Introduction to the Health Professions (2)

A blended classroom format with lectures exploring various careers and graduate level study in health related professions and online content focusing on professionalism in healthcare, assessment of appropriate personal attributes, integrity, interpersonal communication, and career strategies.

### PHP 1V9R Research (3)

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

### PHP 2101 Foundations of Medical Research (1)

Introduction to clinical/medical research in an academic medical setting, including medical ethics, research modalities, and evaluation tools.

### PHP 2102 Special Topics in Pre-Health (1)

Internship or research in a clinical setting focusing on formulating a research project, including developing the hypothesis, creating an IRB proposal, gathering and interpreting data, and publishing results.

### PHP 2V9R Research (3)

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

### PHP 3V9R Research (3)

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

### PHP 4V9R Research (3)

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Dual Admissions

Baylor University has a dual admission program with Baylor College of Medicine (The Baylor Medical Track). Details are available on the Prehealth homepage at <http://www.baylor.edu/prehealth> (<http://www.baylor.edu/prehealth/>).

The Joint Admission Medical Program (JAMP) is a special program created by the Texas Legislature to support and encourage highly qualified, economically disadvantaged Texas resident students pursuing a medical education. Baylor University is a private school participant in JAMP. Selected students will receive undergraduate and graduate

scholarships as well as stipends for the two required summer medical school internships following the sophomore and junior academic years. JAMP also guarantees the admission of qualified students to a participating medical school.

For information on program qualifications, use the “Do I Qualify” link on the website: <https://www.texasjamp.org/>, then contact the Baylor JFD (JAMP Faculty Director) to schedule an appointment.

## Pre-Medical/Pre-Dental Programs

Students preparing for dentistry and medicine are urged to complete the baccalaureate degree before entering professional school. Because the broad-based liberal arts education has proved the best foundation on which to build highly specialized professional training, the medical and dental schools select students with majors in both nonscience and science disciplines. Regardless of major, the student is encouraged to excel academically in all disciplines and to develop strong personal qualities of leadership, interpersonal skills, ethics, and service.

Admission to the medical and dental schools is highly competitive and only superior students are accepted. In general, selection is based on the student's application, academic record, professional preparation, scores on the Medical College Admission Test or the Dental Admission Test, letters of recommendation, and a personal interview at the professional school.

The student should determine any specific course requirements and recommendations of the professional school to which application is to be made. Four year planners are available in the Office of Prehealth Studies, Baylor Sciences Building (BSB), B.111.

## Pre-Occupational Therapy

Baylor University offers a program of undergraduate instruction designed to prepare students for application to Occupational Therapy schools. Students should incorporate Occupational Therapy prerequisite courses into whatever degree program they choose. OT schools do not have a preference for a particular degree or major.

It is the responsibility of the student to ascertain that course selection fulfills the requirements of the Occupational Therapy school(s) to which the student plans to apply. Information regarding coursework for OT schools is available in the Office of Prehealth Studies: Baylor Sciences Building (BSB), B. 111.

## Pre-Optometry

Baylor University offers a program of courses designed to prepare students for the professional curriculum in optometry offered by optometry schools.

The student should determine any specific course requirements and recommendations of the professional schools where they plan to apply.

Admission requirements are a bachelor's degree, satisfactory (C or better) completion of the following preprofessional course work, an acceptable Optometry Admission Test (OAT) score, and a preprofessional evaluation. Four year planners are available in the Office of Prehealth Studies; Baylor Sciences Building (BSB) B.111.

## Pre-Pharmacy

Students who plan to enter the field of pharmacy may apply for admission to a school of pharmacy after completing the appropriate

prepharmacy requirements, which require two years or more of study. Information regarding specific coursework for pharmacy schools is available in the Office of Prehealth Studies; Baylor Sciences Building (BSB) B.111. All schools in Texas now require the Pharmacy College Admission test (PCAT), as do pharmacy schools in most states. This exam is given several times each year. Four year planners are available in the Office of Prehealth Studies; BSB, B.111.

## Pre-Physical Therapy

Baylor University offers a program of undergraduate instruction designed to prepare students for the professional curricula of accredited physical therapy programs. The physical therapy schools do not have a preference for a particular degree or major. A student earning a bachelor's degree at Baylor University will begin a master's or doctoral program in physical therapy.

It is the responsibility of the student to determine which courses are needed by the school(s) to which they intend to apply (at least annually). Four year planners are available in the Office of Prehealth Studies; BSB, B.111.

## Pre-Physician Assistant

Baylor University offers a program of courses designed to prepare students for the physician assistant (PA) schools. Information regarding specific coursework for PA schools is available in the Office of Prehealth Studies; Baylor Sciences Building (BSB), B.111.

Students **must** check with each school to determine specific requirements. For more information go to <http://www.baylor.edu/Prehealth> (<http://www.baylor.edu/Prehealth/>).

## Pre-Podiatry

Baylor University offers a program of courses designed to prepare students for the professional curriculum in podiatry offered by accredited schools.

The student should determine any specific course requirements and recommendations of the professional schools where application is to be made.

Admission requirements include a bachelor's degree (or a minimum of ninety semester hours), satisfactory (C or better) completion of the following preprofessional course work, an acceptable Medical College Admission Test (MCAT) or, in some cases, Graduate Record Exam (GRE) score, a preprofessional evaluation, and a professional school interview.

## Pre-Veterinary Medicine

Baylor University offers a program of courses designed to prepare students for the professional curriculum in veterinary medicine offered by accredited schools.

A minimum “C” grade in each preprofessional course required for admission, sixty-five hours of completed preprofessional coursework (may include work in progress), and an acceptable score on the GRE General Test. The student should determine any specific course requirements and recommendations of the professional schools to which they plan to apply.

# Hankamer School of Business

## General Information

At Baylor University's Hankamer School of Business, top-ranked programs combine rigorous classroom learning, hands-on experience in the real world, a solid foundation in Christian values and a global outlook. Making up approximately 25 percent of the University's total enrollment, undergraduate students choose from 13 major areas of study. Graduate students choose from full-time, executive or online MBA or other specialized master's programs, and Ph.D. programs in Information Systems, Entrepreneurship or Health Services Research. The Business School also has a campus located in Dallas, Texas. Visit [baylor.edu/business](http://baylor.edu/business) for more information.

## Mission

We cultivate principled leaders and serve the global marketplace through transformational learning and impactful scholarship in a culture of innovation guided by Christian values.

## Shared Values

Our shared values are the principles that guide all of our work:

- Integrity
- Innovation
- Excellence
- Transformation
- Impact
- Learning
- Exploration
- Teamwork
- Leadership
- Service

## Key Terms

- **Serve:** A spirit of giving back, meeting the needs of others
- **Global Marketplace:** A world view that encompasses for-profit and non-profit marketplaces
- **Principled Leaders:** Leadership with a moral compass, servant leaders
- **Transformational Learning:** A rigorous learning environment that engages the student in the classroom and involves the student in marketplace-based learning experiences
- **Impactful Scholarship:** Conduct research that will make a difference
- **Innovation:** A culture of solving problems, meeting needs
- **Community:** Collaboration, network, teamwork
- **Christian Values:** Christian values provide our guiding framework and demand excellence in all that we do.

## Accreditation

The undergraduate and graduate programs are fully accredited by The Association to Advance Collegiate Schools of Business (AACSB) International. AACSB accreditation is known, worldwide, as the longest-standing, most recognized form of specialized accreditation that an institution and its business programs can earn. Accreditation is a voluntary, nongovernmental process that includes a rigorous external review of a school's mission, faculty qualifications, curricula, and ability to provide the highest-quality programs.

## History

In 1923, on the heels of a three-year business depression that coincided with the end of World War I, members of the Baylor University Board of Trustees acted on the recommendation of President Samuel Palmer Brooks to establish a business administration program that would provide students adequate preparation for business careers. Goals for the program are just as relevant today as they were then.

- To enable students to see more clearly the complex nature of modern business and the qualifications required.
- To make graduates' services of a higher order and their advancement more rapid.
- To materially lessen the trouble and expense that otherwise falls on employers of persons without such education.
- To develop and disseminate improved ideals as to how business should be conducted.

In 1924, the school was authorized to arrange a course of study leading to the Bachelor of Business Administration degree – a degree that was first conferred in 1925 on six men and one woman.

By 1956, with some \$500,000 in cash and pledges from friends and alumni in hand, planning had begun in earnest for building a separate facility for the Baylor School of Business. Construction was initiated in 1958.

In 1959, the school was granted autonomous status and coordinate rank among the other schools in the Baylor University system and was fully accredited by the Association to Advance Collegiate Schools of Business (AACSB).

As construction of the school's new home neared a critical point in 1959, two notable benefactors came forward. Paul Kayser provided the funds needed for an auditorium and Earl C. Hankamer made a \$500,000 gift to complete construction and furnishing of the facility. Shortly afterward, university trustees renamed the school the Hankamer School of Business. Mr. Hankamer, a 1915 Baylor graduate, was a successful oil and land investor known throughout the Southwest for his philanthropic efforts and his Christian character and business principles.

Between the late sixties and mid-eighties, the school experienced unprecedented growth in student enrollments, endowments, expanded facilities and state-of-the art resources. The number of faculty and staff reached an all-time high during that period as well.

Today, recognized nationally and internationally for the scope and quality of its graduate and undergraduate programs, the Hankamer School of Business:

1. seeks to prepare professionally competent individuals capable of competing successfully in a global marketplace and
2. endeavors to help equip these individuals with the social and ethical values that make them valuable members of any business, community, or organization.

## Facilities

In 2013, Paul L. Foster, a 1979 B.B.A. alumnus, provided the naming gift for the Paul L. Foster Campus for Business and Innovation. This campus is the new home of the Hankamer School of Business. It provides approximately 275,000 square feet of classroom, office, conference, and collaborative spaces to meet the needs of our program for the 21st century.

Planning for additional space to house our expanding programs began in 2004. Initially, adding on to the current Hankamer and Cashion facilities was studied. However, in consultation with architects, it was concluded that the best option was to build a completely new facility to accommodate the future needs of the School. Overland Partners was hired to help design a new facility. The building was designed to address important themes from the School's mission including: engagement, collaboration, community, technology, ethics/sustainability, and global connections.

While a number of gifts were received through the silent phase of the capital campaign, the project would not have been able to proceed had it not been for the naming gift by Paul Foster. His gift allowed the Board of Regents to formally announce the project and to set a December 2014 date for the groundbreaking with a grand opening in Fall 2015. The heart of the campus is a 10,000 square foot atrium that includes a café that provides a place to promote community. Innovative classroom designs encourage and support an engaged learning environment. Thirty-six team meeting rooms support collaboration, and the new campus is LEED Certified at the Gold Level to promote the concept of sustainability. Finally, the Conference Center and the use of technology helps connect the world to the Foster Campus.

## Libraries

The Baylor University Libraries provide resources and services that support the research needs of students in the Hankamer School of Business. Services provided include interlibrary loan; library instruction classes; research assistance; and in-person, email, phone, and instant message reference help. An extensive reference collection, electronic journals, and electronic resources such as ABI/Inform, IBISWorld, Mergent Online, and LexisNexis Academic enable students to connect with information needed in the 21st century business world.

## Administrative Offices

Several administrative departments provide service to the school. These include the following offices and center:

| Office                                     | Contact                                  |
|--|--|
| Office of the Dean                         | Susan N. Copeland, Assistant to the Dean |
| Undergraduate Programs Office              | Krista M. Howell, Assistant Dean         |
| Graduate Programs Office                   | Laurie D. Wilson, Director               |
| Communications and Marketing Office        | Cynthia J. Jackson, Assistant Dean       |
| Financial Administration and Budget Office | Jordan Chadwick, Manager                 |
| Facilities                                 | Jill Combs, Coordinator                  |
| Technology Center                          | Nils Holgersson, Technology Director     |

## Technology Center

Nils Holgersson, Technology Director

The Technology Center offers prompt excellent service and state-of-the-art equipment for students, faculty and staff in the Hankamer School of Business. To provide the best service to all of its users, the Center functions as a separate department, reporting directly to the dean.

The Technology Center provides a number of technology-equipped spaces in the Foster Campus for Business and Innovation. The Technology Commons holds more than 80 computers for student use, including the 44-seat Casey Technology Commons Learning Lab. The

Technology Commons provides scanning and video editing capabilities on specialized stations as well as three high speed monochrome laser printers and a color laser printer. Center personnel maintain many categories of software applications and continually evaluate updated versions of existing programs and recent software innovations.

The Technology Center oversees the 36 team rooms in Foster, all of which have a flat panel display and the ability for students to connect their devices to it. An innovative scheduling system is available for reserving these rooms.

To enhance the classroom experience for both students and faculty, the Center has equipped every classroom with computers and display capabilities, and most rooms have multiple displays for showing both faculty and student content. In addition, each classroom is equipped with lecture capture and videoconferencing capability. All areas of the Foster Campus have access to AirBear, the University wireless network, which allows students to use mobile devices to access the Internet and online Baylor resources during class sessions or while studying in one of several common areas. The Center also offers access to several videoconferencing capable conference rooms throughout the Foster Campus. In addition, the Center supports nine computer classrooms, which host a large number of classes taught with a computer component.

While the Center is responsible for meeting the computer needs of the students, it also offers technology support for the faculty and staff including office computer support, individual technology consultation and web development. Beyond these services, the Center staffs a Help Desk and a Graphics/Desktop Publishing workstation and provides support for specialized technology including the atrium video wall, interactive displays and digital signage throughout the Foster Campus.

## Professional Centers

### John F. Baugh Center for Entrepreneurship and Free Enterprise

Kendall Artz, Ph.D., Director of John F. Baugh Center for Entrepreneurship  
Shaun Limbers, M.B.A., Associate Director

Peter G. Klein, Ph.D., Director of Free Enterprise

The Baugh Center for Entrepreneurship and Free Enterprise was created in 1980 as one of the first entrepreneurship centers in the United States. Its activities largely focus on providing entrepreneurship education to the community of entrepreneurs outside of the Hankamer School of Business. In 2013, Baugh Center activities were expanded to include a significant focus on conducting and disseminating free enterprise research that examines the intersection of public policy decisions and entrepreneurial activity.

Baugh Center personnel are now engaged in a wide range of activities that encourage and support entrepreneurship education and research. These include:

- Researching issues related to the effects of local, state and national policy decisions on entrepreneurial actions and performance.
- Leading outreach efforts to non-business school constituents through events such as the New Venture Competition, the OSO Launch Program, and the Community Entrepreneurship Program.
- Arranging symposiums and special events to facilitate dialogue among faculty, students, and community members on free enterprise issues.
- Assisting students and practicing entrepreneurs with feasibility assessments of potential businesses.



- Directing the operations of the Business and Innovation Living-Learning Center.
- Supporting on-campus student led organizations such as the Baylor Entrepreneurship Club.
- Conducting seminars and workshops in conjunction with local community leaders to provide entrepreneurship training to practicing entrepreneurs.

### **Business and Innovation Living-Learning Center**

Lauren Ross, Program Director

The Business and Innovation Living-Learning Center (B&I-LLC) is an exciting opportunity created to provide housing and academic support for Pre-Business and Business students, as well as entrepreneurially-minded students from all fields of study. The mission of the B&I-LLC is to immerse students in a transformational approach to faith-based business education by fostering community, cultivating a culture of entrepreneurial thinking and action, encouraging personal and professional development, and connecting students with Business School faculty and entrepreneurial professionals.

Housed in Brooks Flats, this is the first on-campus residential housing option dedicated to those students with a common interest in business and innovation. Pre-Business students in the B&I-LLC have the unique opportunity to take BUS 1101 Connect to Hankamer School Bus together as a cohort class. Another cohort class, ENT 3301 Entrepreneurship: Living and Learning, is offered to students with a specific interest in entrepreneurship.

### **Institute for Family Business**

Peter G. Klein, Ph.D., Interim Director

The Institute for Family Business at Baylor University delivers research, teaching, and outreach to family-owned enterprises within the state of Texas, while promoting the tenets of Firm-Family-Faith on a global scale, encouraging all to "Put faith back on the table". Established in 1987, the Institute promotes rigorous scholarship with the interaction of faculty and students through qualitative and quantitative research and transforms education by disseminating knowledge in formal classroom settings. It also promotes Christian engagement through building relationships between members of the family business community and Baylor University.

### **Center for Information Systems Research (CISR)**

Dorothy E. Leidner, Ph.D., Director

Information and communication technologies (ICTs) have had a profound impact on the way organizations conduct business operations. Through the effective application of various ICTs, firms have used this ubiquitous resource to enable new forms of collaboration, to re-engineer business processes, to produce and disseminate organizational knowledge, and to drive innovation through enabling new products, services, and business models. And at the individual and societal levels, the expanding role of ICTs has had dramatic effects—both positive and negative—upon the way we live and work. Given the critical role of technology in today's world, it is the mission of the Center for Information Systems Research (CISR) to produce and disseminate high quality research that examines the diverse roles, uses and managerial implications of information and communications technologies (ICTs) and their related impacts on individuals, organizations, and society. Through producing such research, the CISR seeks to facilitate a better understanding of how technology can be used to enable more effective, ethical, and sustainable information-

related practices among individuals, work-groups, organizations, and society in general.

### **Center for Nonprofit Leadership and Service**

Chris P. Pullig, Ph.D., Interim Director

The Center for Nonprofit Leadership and Service's primary focus is on teaching the best practices in marketing for nonprofit organizations. It also interfaces with nonprofit organizations from around the world and encourages and conducts research that helps inform decision making in the nonprofit sector. Students from across the university are welcome to take MKT 3340 Nonprofit Marketing. This course teaches students how to apply the art and science of marketing to further the mission of nonprofit organizations. Marketing, in all forms, is the tool that helps nonprofit organizations communicate effectively with potential donors, volunteers, and the constituents they serve. The over-arching objective of the center is to equip students with the tools they need and encourage them to find meaningful ways to serve others while making a living – in essence, to do well by doing good.

### **Center for Professional Selling**

Andrea L. Dixon, Ph.D., Executive Director

Stephanie Mangus, Ph.D., Keith Richards, Ph.D., and Eric Swan, D.B.A., Faculty Associates

Brianna Steensen, M.B.A., Program Manager

Dedicated to excellence in sales education, the Center for Professional Selling is recognized as one of the premier global information resources for the sales profession. The mission of the Center is to achieve excellence in sales education by: **building students** via a premier curriculum and college-to-career development strategy, **informing industry** by expanding the frontiers of sales knowledge in academic research, and **advancing the sales profession** through intentional promotion of professional selling to industry and society. Established in 1985, the Center was one of the first such collegiate units in the country and boldly seeks to **transform the sales function around the globe**, impacting corporations, customers and our alumni's co-workers for Jesus Christ.

Center facilities include a state-of-the art classroom and sales laboratory equipped with direct-to-web recording capability, role playing rooms and a suite housing the Professional Selling faculty and staff.

The Center provides the support needed to allow the ProSales program to guarantee and achieve 100% placement for full-time and paid internships for ProSales students.

### **Center for Sports Strategy & Sales (S3)**

Kirk L. Wakefield, Ph.D., Executive Director, Analytics

Lane T. Wakefield, Ph.D., Director, Sales

Founded in 2004, the S3 Values-Based Leadership Program has produced hundreds of alumni who work in collegiate or professional sports or related careers in sales or business analytics. Alumni have risen to management and senior positions at teams across the NFL, NBA, NHL, MLB, MLS, NASCAR & NCAA Athletics, as well as major corporations and agencies that market through sports. All students intern with teams, corporations or agencies in sales or analytics. Over 70% begin careers in full-time positions with teams or sports-related agencies. Placement exceeds 95% by graduation.

### **Keller Center for Research**

Randy Hacker, M.B.A., Executive Director

Marjorie Cooper, Ph.D., Academic Director



Amanda Rodriguez, M.B.A., Assistant Director

The Keller Center for Research at Baylor University is a trusted source for leading-edge, academic research positioned for the real estate industry. The Center's team of faculty, staff, and graduate assistants engage with academics and consultants from around the globe to highlight the latest research in the areas of marketing and sales, management, technology, and ethics, among others, with implications for today's real estate professionals. Established in 2006, the Keller Center was founded thanks to a generous donation from Gary Keller (BBA '79) as a resource for the real estate industry.

### **Mayo McBride Center for International Business**

Dawn S. Carlson, Ph.D., Director

The McBride center cultivates leadership through worldwide business discovery for Baylor Business students. Transformational leadership opportunities such as study abroad, exchange/affiliate programs, internships, missions, and the vibrant Global Business Connect student organization are offered by McBride Worldwide. Established in 1992 by a generous endowment from proud Baylor supporters—the McBrides of Woodville, Texas—the center provides HSB undergraduate and graduate students, faculty, and staff a hub for global engagement activities. We invite you to stop by the second floor of Foster Innovation Campus to learn more about McBride and the ways you can plug in today.

### **Robbins Institute for Health Policy and Leadership**

Scott H. Garner, M.H.A., FACHE, Administrative Director

The Robbins Institute for Health Policy and Leadership serves as an interdisciplinary platform to support the efforts within the Hankamer School of Business to make a major contribution in health services research and education in the United States and around the world. The Institute engages an interdisciplinary group of scholars in a wide variety of intellectual activities including teaching, external programming, and health services research. Components of the Institute include the Robbins MBA Healthcare Program, which is accredited by the Commission on Accreditation of Healthcare Management Education and was nationally ranked #17 in recent US News and World Report rankings in 2019; a Ph.D. in Health Services research approved by the Baylor Board of Regents in May 2013; and Executive MBA programs for health practitioners in Dallas and Austin.

### **Hodges Financial Markets Center**

Susan P. Etheredge, M.I.M., Managing Director

The Hodges Financial Markets Center (HFMC), initially established in January 2005 as the Southwest Securities Financial Markets Center, is a state-of-the-art facility created to bring the financial markets to the students and our students to the financial markets. The Center is equipped with leading-edge technology and access to financial data similar to that available in the nation's top investment firms. The Center was designed to create a boardroom atmosphere, but to have the functionality of a classroom, a videoconferencing suite, and a place for students and faculty to conduct financial research.

Among its many uses, the HFMC serves as the classroom and research center for students enrolled in two investment courses: the Practicum in Large-Cap Portfolio Management and the Practicum in Small-Cap Investing. In these courses undergraduate and graduate students with an interest in investments receive hands-on learning in the truest sense of the word. The students in the Large-Cap Practicum manage the Philip M. Dorr Alumni and Friends Endowed Investment Fund. The Fund is one of the largest student-run investment portfolios in the nation – with a

November 2021 value exceeding \$14.4 million. The students in the Small-Cap Practicum manage the Hodges Fund, which had a November 2021 value exceeding \$1.1 million. The students work in teams to complete initiation-of-coverage research reports on firms in which portfolio funds will be invested. The report process may include meetings with management and visits to company sites along with valuation, modeling and fundamental analysis.

The HFMC, coupled with the courses that manage the two investment funds, support the Business School's mission of engaging students in active learning. With access to real-time financial data and sophisticated analytical tools that are available in the Center, the students conduct analysis and make decisions similar to those made by institutional investment managers and gain the skills needed to step into a portfolio management position upon graduation.

### **Cooperative Programs**

In an effort to have business students gain experience with everyday business activities, the Hankamer School of Business has developed a number of programs in cooperation with the business community.

### **Accounting Intern Program**

This program involves supervised practical accounting work at an approved business or not-for-profit organization. The employer agrees to provide, under appropriate supervision, a breadth of meaningful work assignments that are commensurate with those of entry-level accounting professionals. Students desiring academic credit must obtain written approval of their internships from the director of accounting internships and complete a statement of internship goals and expectations prior to beginning the program. Interns must keep a daily log (journal) of work assignments while on the internship. The daily log, an end-of-internship written report, and communication/evaluation from the employer that work assignments have been fulfilled by the intern are required upon completion of the internship.

### **Baylor Angel Network (BAN) Practicum**

The Baylor Angel Network Practicum is an innovative, hands-on learning opportunity for exceptional undergraduate students. Through BAN, students receive valuable early-stage investing experience by working closely with investors and entrepreneurs seeking angel funding. Angel networks are organized groups of individuals who work together to make investments in privately-owned, early-stage companies. By evaluating opportunities within an organized angel network, investors seek to achieve economies of scale in sourcing potential investments, evaluating presentations from entrepreneurs, and mitigating risk by pooling their expertise. Participation as a student analyst in the BAN Practicum is determined by a rigorous interview process conducted in the fall of the junior year. Interviews are conducted and selections are made by the current senior BAN analysts.

### **B.E.S.T. The Business Excellence and Scholarship Team (B.E.S.T.)**

The Business Excellence and Scholarship Team (B.E.S.T.) is an innovative educational approach that emphasizes experiential learning, international exposure, and entrepreneurial thinking. The program covers the last two semesters of the senior year and includes topics pertinent to today's business world as well as traditional business policy. Teams work on high value, innovative projects that provide transformative educational experiences that emphasize integrative thinking and real-world problem solving. Key activities of B.E.S.T. include two, week-long trips, one each in the fall and spring semesters, that allow the students to develop an appreciation for business environments and practices in different regions of the world. Membership in the program is by invitation only based upon

GPA, extracurricular activities and leadership potential, as well as faculty recommendations.

### Entrepreneurship Intern Program

The program offers a student the opportunity to work with a practicing entrepreneur in a decision-making, managerial role. Applications for the program are available from the John F. Baugh Center for Entrepreneurship. Internships are for credit and may be taken during any semester.

### Information Systems Intern Program

Information Systems majors participating in the internship program work in organizations and learn first-hand how to design, develop and implement information technology projects that help businesses compete more effectively. As part of this guided learning experience, students participate in a cohort that works and learns together. Internships are normally taken for course credit with most being paid positions.

### Management and Human Resource Management Intern Program

The Department of Management offers an internship program through which management and human resource management majors are provided carefully structured opportunities to apply management and human resource management principles and techniques in a variety of real world business settings. By application only, a management faculty member supervises each intern and works closely with the host firm to ensure a rewarding learning experience.

### Marketing Intern Program

The Department of Marketing, in cooperation with firms, offers marketing majors the opportunity to participate in internship programs in the areas of retail management, professional selling, advertising, sports marketing and non profit marketing among others. Marketing faculty supervise each intern and work closely with the firm to create a mutually beneficial learning experience.

### Professional Selling Intern Program

Designed as an applied learning experience, the course follows the student's short-term paid placement within a firm. The intern's responsibilities are determined by the firm offering the internship; however, sales faculty work with companies to ensure that the student's experiences are full and rewarding. The course provides the framework for the student to document learning experiences from the internship in an e-portfolio (a useful tool for career management) and through a main-stage, executive-type speaking experience. The student completes the internship during the summer following the junior year and completes the course during the fall of the senior year.

### Sports Strategy & Sales Intern Program

Students selecting a Sports Strategy and Sales (S3) emphasis in the Marketing major complete summer internships with professional sports teams, brands, agencies and media partners involved in sports and entertainment. The student's S3 emphasis of sales or analytics determines the nature and location of the internship.

### Supply Chain Management Intern Program

The Department of Management offers an internship program through which SCM majors have the opportunity to gain business experience in a supply chain-related environment. By application only, a supply chain management faculty member supervises each intern and works with the sponsoring firm to help ensure a rewarding learning experience.

## Hankamer School of Business Faculty

| Name                       | Title   |
|----------------------------|---|
| Sandeep Mazumder, Ph.D.    | Dean  |
| Mitchell J. Neubert, Ph.D. | Senior Associate Dean of Research and Faculty Development |
| Cindy Wu, Ph.D.            | Associate Dean for Diversity and Inclusion                |
| Patricia M. Norman, Ph.D.  | Associate Dean, Graduate Programs                         |
| Mark G. Dunn, Ph.D.        | Associate Dean, Undergraduate Programs                    |
| Krista M. Howell, M.S.Ed.  | Assistant Dean, Undergraduate Programs                    |
| Anthony G. Lapes, M.S.Ed.  | Assistant Dean for Operations                             |

## Department of Accounting and Business Law

Bradley E. Lail, Ph.D., Chair  
 Martha E. Agee, J.D.  
 Jane N. Baldwin, Ph.D.  
 Haylee A. Beard, M.Acc.  
 Lotte D. Bostick, J.D.  
 J. Owen Brown, Ph.D.  
 Laurie L. Burney, Ph.D.  
 Don P. Carpenter, M.S.  
 Gia M. Chevis, Ph.D.  
 Charles E. Davis, Ph.D.  
 Cari C. Edison, M.B.A.  
 Lauren E. Farish, M. Tax  
 Caroline O. Ford, Ph.D.  
 Emily K. Hornok, Ph.D.  
 David N. Hurtt, Ph.D.  
 R. Kathleen Hurtt, Ph.D.  
 Jason E. MacGregor, Ph.D.  
 Paul D. Mason, Ph.D.  
 Melanie I. Millar, Ph.D.  
 Michael J. Mowchan, Ph.D.  
 Alice M. Muncy, Ph.D.  
 David S. Reid, J.D.  
 Daniel T. Shallcross, M.Acc.  
 Charles W. Stanley, Ph.D.  
 Martin T. Stuebs, Ph.D.  
 Tim S. Thomasson, M.Tax  
 Betty Xing, Ph.D.

## Department of Economics

James W. Henderson, Ph.D., Chair  
 Jason A. Aimone, Ph.D.  
 Yoo-Mi Chin, Ph.D.  
 A. Scott Cunningham, Ph.D.  
 Finley C. Edwards, Ph.D.  
 Tisha L. N. Emerson, Ph.D.  
 Linda K. English, Ph.D.  
 Neil S. Fleming, Ph.D.  
 H. Stephen Gardner, Ph.D.  
 Scott H. Garner, M.H.A.  
 Steven L. Green, Ph.D.  
 Mark C. Kelly, Ph.D.  
 Forest S. Kim, Ph.D.  
 Wilson W. Law, Ph.D.  
 Sandeep Mazumder, Ph.D.  
 Kimberly D. Mencken, M.S.  
 Charles M. North, Ph.D.  
 Lourenço S. Paz, Ph.D.

Van H. Pham, Ph.D.  
 Michael R. Richards, Ph.D.  
 John M. Ssozi, Ph.D.  
 David D. VanHoose, Ph.D.  
 Zachary A. Ward, Ph.D.  
 James E. West, Ph.D.

## Department of Entrepreneurship

Peter G. Klein, Ph.D., Chair  
 Kendall W. Artz, Ph.D.  
 Steven W. Bradley, Ph.D.  
 Gabriella Cacciotti, Ph.D.  
 Lee H. Grumbles, Ph.D.  
 James R. Kee, Ph.D.  
 Patricia M. Norman, Ph.D.  
 Bradley R. Norris, M.S.M.  
 Leslie E. Palich, Ph.D.  
 David J. Scheaf, Ph.D.  
 Tyler D. Self, M.B.A.  
 Justin Yan, Ph.D.

## Department of Finance, Insurance, and Real Estate

Shane E. Underwood, Ph.D., Chair  
 Paul E. Anderson, J.D.  
 Seokgu (Soku) Byoun, Ph.D.  
 David L. Dicks, Ph.D.  
 Susan P. Etheredge, M.I.M.  
 Ernest S. Fletcher, Jr., M.B.A.  
 James R. Garven, Ph.D.  
 Shuting (Sophia) Hu, Ph.D.  
 Hwanki (Brian) Kim, Ph.D.  
 Antonio J. Macias, Ph.D.  
 Steven P. Rich, Ph.D.  
 J. Allen Seward, Ph.D.  
 Michael A. Stegemoller, Ph.D.  
 Qinxu Wu, Ph.D.  
 Carlos V. Zurita, Ph.D.

## Department of Information Systems and Business Analytics

Jonathan K. Trower, Ph.D., Chair  
 Allison Alford, Ph.D.  
 Erica P. Ancira, M.B.A.  
 Bhagwan (Johnny) Bhojwani, MSIS  
 Saman Bina, Ph.D.  
 Debra D. Burleson, Ph.D.  
 John R. Carlson, Ph.D.  
 Shaun P. Eide, M.Ed.  
 Louis A. Esserman, M.B.A.  
 Gina C. Green, Ph.D.  
 Michal M. Horton, Ph.D.  
 Christina L. Iluzada, Ph.D.  
 Cheryl A. Kay, Ph.D.  
 Timothy R. Kayworth, Ph.D.  
 Tae Hun Kim, Ph.D.  
 Hope A. Koch, Ph.D.  
 Dorothy E. Leidner, Ph.D.  
 Karen E. Leskoven, M.B.A.  
 Jeremy S. McElroy, M.S.  
 Daniel A. Pienta, Ph.D.  
 Reagan M. Ramsower, Ph.D.

Cynthia K. Riemenschneider, Ph.D.  
 Drew W. Risinger, M.H.A.  
 Juli C. Rosenbaum, M.A.  
 Nancy G. Sanchez, M.S.  
 Yulia W. Sullivan, Ph.D.  
 Carolyn H. Turner, M.B.A.  
 Robin L. Wakefield, Ph.D.  
 Randall L. Waller, Ph.D.  
 Xunyi Wang, Ph.D.  
 Philip D. Young, Ph.D.

## Department of Management

Emily Hunter, Ph.D., Chair  
 Gary R. Carini, Ph.D.  
 Dawn S. Carlson, Ph.D.  
 Matthew A. Douglas, Ph.D.  
 Van D. Gray, Ph.D.  
 Kaylee J. Hackney, Ph.D.  
 Kyongji Han, Ph.D.  
 Stephanie M. Kunst, Ph.D.  
 Min K. Lee, Ph.D.  
 Pamela S. Manhart, Ph.D.  
 Blaine McCormick, Ph.D.  
 Christopher J. Meyer, Ph.D.  
 Mitchell J. Neubert, Ph.D.  
 Sara J. Perry, Ph.D.  
 Matthew J. Quade, Ph.D.  
 Pedro M. Reyes, Ph.D.  
 Joshua K. Strakos, Ph.D.  
 Rachel C. Woods, J.D.  
 Michael W. Wright, M.B.A.  
 Ju-Chien (Cindy) Wu, Ph.D.  
 Wen Zhang, Ph.D.

## Department of Marketing

Chris P. Pullig, Ph.D., Chair  
 Claudio Alvarez, Ph.D.  
 Marjorie J. Cooper, Ph.D.  
 Meredith E. David, Ph.D.  
 Andrea L. Dixon, Ph.D.  
 Mark G. Dunn, Ph.D.  
 Richard W. Easley, Ph.D.  
 Morris K. George, Ph.D.  
 Randolph T. Hacker, M.B.A.  
 JaeHwan Kwon, Ph.D.  
 Tyrha M. Lindsey, Ph.D.  
 Stephanie M. Mangus, Ph.D.  
 Ann M. Mirabito, Ph.D.  
 Ashley S. Otto, Ph.D.  
 Keith A. Richards, Ph.D.  
 James A. Roberts, Ph.D.  
 Eric L. Swan, D.B.A.  
 Lingjiang (Lora) Tu, Ph.D.  
 Kirk L. Wakefield, Ph.D.  
 Lane T. Wakefield, Ph.D.

## Councils

### The Executive Council

Dean S. Mazumder; associate deans, P. Norman, M. Dunn, M. Neubert, C. Wu; department chairs, P. Klein, J. Trower, E. Hunter, J. Henderson, C. Pullig, B. Lail, S. Underwood; ex officio members: assistant dean of

communications and marketing, C. Jackson, assistant to the dean, S. Copeland, assistant dean for operations, A. Lapes, and managing director of development, T. Hagins.

### The Strategic Planning Council

Dr. Van Gray, coordinating chair

The principal charge for this group of faculty and staff is **to chart the future of the Hankamer School of Business as it relates to the achievement of our mission.** This council covers four areas of strategic significance for the Business School and works through the following committee structure:

**Calling:** Mark Dunn, Gia Chevis, Allen Seward, Ann Mirabito, Tisha Emerson, Emily Hunter, Jonathan Trower, Anthony Lapes, and Cheryl Kay.

**Character:** Tim Kayworth, Mitch Neubert, Blaine McCormick, Marty Stuebs, Rachel Woods, Matt Quade, and Chuck Stanley.

**Climate:** Cindy Riemenschneider, Peter Klein, Owen Brown, Jae Kwon, Don Carpenter, Randy Hacker, Sara Perry, John Ssozi, Chris Pullig, and Steve Green

**Connections:** Hope Koch, Andrea Dixon, Josh Strakos, Daniel Shallcross, Stacy McCracken, Jeff Stubbs, Trey Hagins, C.J. Jackson, Brad Lail, Michael Estepp, and Dawn Carlson

### The Academic Strategic Planning Task Force

Jonathan Trower, Gia Chevis, Tim Kayworth, Blaine McCormick, Mitch Neubert, Peter Klein, Steve Green, Chuck North, Patsy Norman

### The Learning Excellence Task Force

Gia Chevis, Mark Dunn, Allen Seward, Ann Mirabito, Cheryl Kay, Tim Kayworth, Blaine McCormick, Chris Pullig, Peter Klein, Cindy Riemenschneider, Josh Strakos, Mitch Neubert, Patsy Norman

### The Scholarship Excellence Task Force

Tisha Emerson, Marty Stuebs, Rachel Woods, Peter Klein, Owen Brown, Jae Kwon, Josh Strakos, Jim Roberts, Lora Tu, Sara Perry, Matt Quade. Ex Officia: Jonathan Trower, Mark Dunn, Chuck North, Cindy Riemenschneider, Brad Lail, Mitch Neubert

## Committees

**Outstanding Faculty Selection:** L. Palich, Chair;

**Scholarships:** B. McCormick, Chair;

**Summer Sabbatical and Research Leave:** M. Neubert, Chair

## Faculty Mentors and Staff Advisors

### Faculty Mentors

| Program                        | Faculty Mentor   |
|--------------------------------|--|
| Accounting                     | Dr. Caroline Ford  |
| Baylor Business Fellows        | Dr. Allen Seward, Dr. Chuck North, Dr. Steven Green, and Dr. Linda English |
| Economics                      | Dr. James Henderson and Dr. Sandra Klein                                   |
| Entrepreneurship               | Dr. Les Palich   |
| Finance                        | Dr. Steve Rich   |
| Human Resource Management      | Dr. Cindy Wu, Dr. Sara Petty, and Dr. Kyongji Han                          |
| Management Information Systems | Mr. Bud Esserman and Dr. Jonathan Trower                                   |
| International Business         | Dr. James Henderson and Dr. Lourenço Paz                                   |
| Management                     | Dr. Mitch Neubert and Ms. Rachel Woods                                     |
| Marketing                      | Dr. Morris George and Dr. Chris Pullig                                     |
| Professional Selling           | Dr. Andrea Dixon   |

|                               |   |
|-------------------------------|---|
| Risk Management and Insurance | Mr. Paul Anderson, Dr. James Garven and Dr. Allen Seward    |
| Supply Chain Management       | Dr. Josh Strakos, Dr. Blaine McCormick, and Dr. Pedro Reyes |

### Undergraduate Office

| Program    | Staff Advisor   |
|------------|---|
| All Majors | Mrs. Krista Meek Howell, M.S.Ed., Assistant Dean      |
| All Majors | Mrs. Pam Bailey, M.S.Ed., Associate Director          |
| All Majors | Mr. Grant DeYong, M.Div., M.S.Ed., Associate Director |
| All Majors | Mr. Sam Binkley, M.S.Ed., Assistant Director          |
| All Majors | Ms. Amy Rhodes, M.S., Assistant Director              |
| All Majors | Mrs. Laura Lalani, M.S.Ed., Manager                   |
| All Majors | Mrs. Holly Jahrmarkt, M.S.Ed., Program Manager        |
| All Majors | Mr. Bryan DeVries, M.Div., Senior Advisor             |
| All Majors | Mr. Chad Shearn, M.Div., Senior Advisor               |
| All Majors | Mrs. Pam Weatherman, B.A., Senior Advisor             |
| All Majors | Mr. Alec Daugherty, M.A., Advisor                     |

Students minoring in business as a non-BBA student are advised as follows:

| Program                 | Faculty Mentor                           |
|-------------------------|--|
| Business Administration | Mrs. Pam Bailey                          |
| Economics               | Dr. James Henderson and Dr. Sandra Klein |
| Entrepreneurship Minor  | Dr. Les Palich                           |

## The Business Curriculum

The curriculum leading to the Bachelor of Business Administration degree is built on a broad foundation of courses in the liberal arts, the business core, and courses in a major(s). The Hankamer School of Business seeks to provide its students the opportunity to develop into rational, productive individuals by designing a curriculum that advances their knowledge of the business, economic, political, and social environments in which they will live and work. More specifically, the curriculum endeavors to help students understand the interrelation and coordination necessary among the various elements of business operations **and** the relationship of each of these elements to the overall operations of the organization. It further seeks to cultivate students' understanding of the primary analytical tools and business systems to develop in them a capacity for objective analysis and leadership and to make them aware of their social responsibilities. Specific learning goals include organizational literacy, problem solving skills, leadership and teamwork, communication and interpersonal skills, global awareness, business ethics, and hands on, practical experiences.

The Hankamer School of Business also believes that its curriculum should develop the student in three personal-skill areas: written communication, oral communication, and computer proficiency (as a tool in helping solve business problems). The business core course BUS 4385 Strategic Management and certain required "major field of study" courses have designated as a course objective the development of these personal-skill areas.

The Hankamer School of Business attempts to achieve all of the preceding objectives by engaging participants in both active learning and scholarly exploration within a community guided by Christian values.

## Admission to the Hankamer School of Business

All entering freshmen and transfer students who wish to study business will be required to register in the non-degree granting Pre-Business major (unless they qualify and are accepted to the Hankamer Scholars program). Upon fulfilling the requirements shown below, they may apply for admission to one of the degree granting business majors.

### First Year Requirements

In order to continue as a Pre-Business major beyond the first year, a student must:

- complete a minimum of 24 credit hours at Baylor;
- maintain a minimum 3.0 cumulative Baylor GPA;
- complete the following with a minimum grade of "C" in each course:

| Code                                   | Title  | Hours |
|--|--|-------|
| BUS 1101                               | Connect to Hankamer School Bus   | 1     |
| BUS 1201                               | Introduction to Business   | 2     |
| BUS 1350                               | Software Applications for Business Productivity and Decision-Making  | 3     |
| ENG 1310<br>or CLA 1304<br>or PHI 1301 | Writing and Academic Inquiry Seminars<br>From Ancient Rhetoric to Modern Research Writing<br>Introductory Topics in Philosophy | 3     |
| MTH 1308<br>or MTH 1320                | Precalculus for Business Students<br>Precalculus Mathematics   | 3     |
| MTH 1309<br>or MTH 1321                | Calculus for Business Students<br>Calculus I   | 3     |

If these requirements are not met, the student must change degree programs and may not return to the BBA degree.

### Requirements for Admission

Application for admission to the Business School is made after the student has satisfactorily completed the first year requirements, has a minimum 3.0 cumulative Baylor GPA, is completing 60 hours (with at least 12 Baylor hours), and is in the process of completing his/her final set of admission requirements, which include:

| Code     | Title   | Hours |
|----------|---|-------|
| ACC 2303 | Financial Accounting  | 3     |
| ACC 2304 | Managerial Accounting   | 3     |
| BUS 2101 | Career Management (Assessment & Discovery) for Undergraduate Students | 1     |
| ECO 2306 | Principles of Microeconomics  | 3     |
| ECO 2307 | Principles of Macroeconomics  | 3     |
| QBA 2302 | Business Data Analysis I  | 3     |

Students must earn a minimum grade of "C" in all courses required for admission.

For students meeting the academic requirements, the following will be considered in the admission decision: a completed application form, a student resume, a statement of personal and professional goals,

and a curriculum and graduation plan including a desired major. An interview may be required in some cases. If a student has a minimum 3.0 cumulative Baylor GPA, consideration for admission will be deferred one semester after a student reaches 60 hours if all requirements can be met in the following semester a student is enrolled at Baylor (two summer sessions count as one semester). Students who do not meet the admission requirements at 60 hours (plus another semester, if deferred) will be required to change degree programs.

### Pre-Business Students in Upper Division Courses

Pre-Business students cannot progress into upper division business courses (3000-4000 level) until they have been admitted to the Business School. The only exception to this policy is for those students who have successfully taken the suggested (advised) sequence of lower core courses and should logically begin taking an upper division business core course. However, under no circumstances will a Pre-Business student be allowed to take a course in a major. In addition, a Pre-Business student who has a cumulative Baylor GPA less than 3.0 will not be permitted to enroll in 2000-level or above business courses. An incomplete grade may affect a student's eligibility to enroll in 2000-level or above business courses.

### Internal Transfer Students

Current Baylor students must have a minimum 3.0 cumulative Baylor GPA and 12 hours in residence to request to change to the Pre-Business major. Students must internally transfer no later than the end of the semester in which they complete forty-five Baylor (in-residence) hours. Students will not be allowed to transfer internally if they have already exceeded the School of Business excessive retake policy. Internal transfers must follow all of the policies of the current catalog at the time they change to the BBA degree with the exception that students changing to Pre-Business in the summer will be placed on the following fall catalog.

### External Transfer Students

External transfers desiring to enter Baylor as a Pre-Business student must have a minimum 3.0 external GPA.

### Course Repetition

A student may repeat a course for which his or her highest earned grade is a "C-" or below. The course should be repeated during the following semester in which the student is enrolled at Baylor. No BBA student may retake a grade of "C" or higher.

A student who has declared or desires to declare Pre-Business may repeat only once no more than two of:

| Code                                   | Title  | Hours |
|--|--|-------|
| ENG 1310<br>or CLA 1304<br>or PHI 1301 | Writing and Academic Inquiry Seminars<br>From Ancient Rhetoric to Modern Research Writing<br>Introductory Topics in Philosophy | 3     |
| MTH 1308<br>or MTH 1320                | Precalculus for Business Students<br>Precalculus Mathematics   | 3     |
| MTH 1309<br>or MTH 1321                | Calculus for Business Students<br>Calculus I   | 3     |

The lower core business courses

A grade of "W" does not count as a repeat for this policy. However, the University course repetition policy limits the total number of attempts of a course, including "Ws", to three. Any student not meeting this requirement may no longer follow the BBA degree. Students failing any



of the courses due to the attendance policy may be required to change degree programs.

Regarding academic forgiveness, it is the responsibility of each student to speak with his/her academic advisor with any questions regarding whether to utilize the University Academic Forgiveness policy and when to do so. Students removed from Business courses due to not applying academic forgiveness prior to Business School processes that occur after grades are posted at the end of each semester will not be re-registered for specific courses/sections dropped.

See school or departmental major/minor requirements for policies governing the repetition of courses in specified academic areas and specific major requirements.

## Summary of Requirements and Courses Needed for the B.B.A. Degree

The requirements for the B.B.A. degree are divided almost equally between general arts and sciences courses and business courses. The business curriculum comprises a core of required basic business subjects, plus a minimum of twelve hours in a major. The student is given the opportunity to customize the degree through choices of certain requirements and of electives that broadens the student's understanding of business. Electives may be needed to reach 124 hours minimum to graduate. No course can count in more than one major. No more than four lifetime fitness courses may be taken for credit.

Students entering as freshmen or who transfer as freshmen or sophomores are required to attend two semesters of Chapel. Students who transfer to Baylor and are classified as juniors or seniors must attend one semester of Chapel.

The minimum residence requirement at Baylor University is sixty semester hours of full-time work. At least thirty semester hours of residence work must be done in business courses. All hours required for the major must be earned in residence.

### Arts & Sciences Courses

| Code   | Title   | Hours |
|--|---|-------|
| <b>Humanities and Fine Arts</b>  |   |       |
| REL 1310   | The Christian Scriptures                      | 3     |
| REL 1350   | The Christian Heritage                        | 3     |
| Select one course from the following:  |   | 3     |
| ARTH 1300  | Introduction to Art (for non-art majors only) |       |
| ARTH 2302  | Survey of Western Art I                       |       |
| ARTH 2303  | Survey of Western Art II                      |       |
| FDM 1303   | Introduction to Mass Communication            |       |
| FDM 1309   | Introduction to Film                          |       |
| JOU 1303   | Introduction to Mass Communication            |       |
| MUS 1321   | Engaging with Music                           |       |
| THEA 1301  | Acting I: Realism                             |       |
| THEA 1306  | Introduction to Theatre                       |       |
| Select three semester hours from the following:                                |   | 3     |
| ENG 2310   | American Literary Cultures                    |       |
| Any course from the Literature in Context Distribution List <sup>1</sup>       |   |       |
| Foreign Literature   |   |       |
| <b>Mathematics and Natural Sciences</b>  |   |       |
| Laboratory Science from the Scientific Method I Distribution List <sup>2</sup> |   | 4     |

|   |  |     |
|---|--|-----|
| Select one of the following: <sup>3</sup> |  | 3-6 |
| MTH 1308 & MTH 1309                       | Precalculus for Business Students and Calculus for Business Students |     |
| MTH 1320 & MTH 1321                       | Precalculus Mathematics and Calculus I                               |     |

#### Personal Development

|                                       |                           |   |
|---------------------------------------|---------------------------|---|
| PUBH 1145                             | Health and Human Behavior | 1 |
| Select one course from the following: |                           | 1 |
| Lifetime Fitness                      |                           |   |
| AS 1111                               | Leadership Laboratory     |   |
| MILS 1111                             | Leadership Lab I          |   |
| MUEN 1102                             | Marching Band             |   |

#### Social Sciences

|          |  |   |
|----------|--|---|
| HIS 1300 | The United States in Global Perspective  | 3 |
| PSC 1387 | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3 |

Select three semester hours from the following: 3

|           |   |  |
|-----------|---|--|
| ANT 1306  | Cultural Anthropology in Global Context     |  |
| ANT 1325  | Introduction to Global Health               |  |
| AS 4302   | Preparation for Commissioning               |  |
| ENV 2376  | Environment and Society                     |  |
| LING 1305 | Language in Society                         |  |
| MILS 4302 | Advanced Leadership II                      |  |
| PHI 1308  | Contemporary Moral Problems                 |  |
| SOC 1305  | Introduction to Sociology                   |  |
| SWO 2320  | Human Diversity and Leadership              |  |
| WGS 2300  | Women's and Gender Studies: An Introduction |  |

#### Written and Oral Communication

Select three semester hours from the following: 3

|   |  |   |
|---|--|---|
| CLA 1304  | From Ancient Rhetoric to Modern Research Writing |   |
| ENG 1310  | Writing and Academic Inquiry Seminars            |   |
| PHI 1301  | Introductory Topics in Philosophy                |   |
| Select three semester hours from the following: |  | 3 |
| CSS 1301  | Fundamentals of Public Communication             |   |
| CSS 1302  | Speech for Business and Professional Students    |   |
| CSS 1304  | Argumentation, Discussion, and Debate            |   |

Select one of the following options: 3-8

|  |                           |
|--|---------------------------|
| Option 1   |                           |
| Complete one Foreign Language (including classical languages and American Sign Language) through the second level, either 1302, 1406 (for ASL) or 1412 |                           |
| Option 2   |                           |
| Select two courses, one from each area:  |                           |
| Complete one course from: Foreign Language (including American Sign Language)  |                           |
| JOU/FDM 3372   | Writing for Media Markets |
| ENG 3000-ENG 4000 level  |                           |
| PWR 3000-PWR 4000 level  |                           |
| Complete one course from: Foreign Language (including American Sign Language) or   |                           |

|  |   |              |
|--|---|--------------|
| ACC 4350   | Business and Professional Ethics for Accountants                              |              |
| AS 3302  | Leading People and Communicating Effectively II                               |              |
| BUS 3303   | Managerial Communications   |              |
| ENT 3301   | Entrepreneurship: Living and Learning   |              |
| FAS 1311   | Freshman Academic Seminar: Modern Languages, Cultures, and Global Communities |              |
| MILS 3302  | Intermediate Leadership II  |              |
| Any additional JOU, FDM, ENG, PWR, CSS, LDS, or GTX course |   |              |
| <b>Total Hours</b>   |   | <b>39-47</b> |

<sup>1</sup> Literature Context Distribution List (p. 269)

<sup>2</sup> Scientific Method I (with lab) Distribution List (p. 269)

<sup>3</sup> Students may skip MTH 1308 Precalculus for Business Students with an ACT math score of 26 or higher, a SAT math score of 620 or higher, or an ALEKS placement exam score of 70 or higher. Students may skip MTH 1320 Precalculus Mathematics with an ACT score of 27 or higher, a SAT math score of 650 or higher, or an ALEKS placement exam score of 80 or higher.

### Literature in Context Distribution List

| Code          | Title   | Hours |
|---------------|---|-------|
| CLA 2301      | Literature of Ancient Greece  | 3     |
| CLA 2302      | Literature of Ancient Rome  | 3     |
| CLA 2306      | Greek and Roman Mythology   | 3     |
| ENG 2301      | British Literature  | 3     |
| ENG 2306      | World Literature  | 3     |
| FRE 3312      | Children's Literature in French   | 3     |
| FRE 3315      | Panorama of French Theatre  | 3     |
| GTX 2301      | Intellectual Traditions of the Ancient World : Literature and Thought   | 3     |
| GTX 2302      | Medieval Intellectual Traditions: Literature and Thought in Context     | 3     |
| GTX/THEA 3341 | Master Works in Drama   | 3     |
| PHI 2303      | Philosophy in Literature  | 3     |
| REL 3301      | Psalms and Wisdom Literature  | 3     |
| REL 3308      | The Literature of the Pentateuch: Narrative, Poetry, Genealogy, and Law | 3     |
| SPA 3305      | Introduction to Hispanic Literature                                     | 3     |

### Scientific Method I (with Lab) Distribution List

| Code                | Title   | Hours |
|---------------------|---|-------|
| ANT 1404            | Introduction to Human Evolution   | 4     |
| ANT 1407            | Introduction to Archaeology   | 4     |
| BIO 1303 & BIO 1103 | Human Ecology: Our Place in Nature and Human Ecology Lab: Our Place in Nature         | 4     |
| BIO 1305 & BIO 1105 | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            | 4     |
| BIO 1306 & BIO 1106 | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory | 4     |
| BIO 1401            | Current Issues in Human Biology   | 4     |

|                     |  |   |
|---------------------|--|---|
| BIO 1405            | Investigations of Modern Biology Concepts I  | 4 |
| BIO 1406            | Investigations of Modern Biology Concepts II                                       | 4 |
| CHE 1301 & CHE 1101 | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I          | 4 |
| CHE 1302 & CHE 1102 | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II        | 4 |
| ENV 1301 & ENV 1101 | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab) | 4 |
| ENV 1303 & ENV 1103 | Wildlife Ecology and Wildlife Ecology Laboratory Exercises                         | 4 |
| GEO 1401            | Earthquakes and Other Natural Disasters  | 4 |
| GEO 1402            | World Oceans   | 4 |
| GEO 1405            | The Dynamic Earth  | 4 |
| GEO 1410            | Gems and Minerals  | 4 |
| NSC 1306 & NSC 1106 | Introduction to Neuroscience and Introduction to Neuroscience Laboratory           | 4 |
| PHY 1404            | Light, Vision and Optics   | 4 |
| PHY 1405            | Everyday Physics   | 4 |
| PHY 1407            | Sound and Acoustics  | 4 |
| PHY 1408            | General Physics for Natural and Behavioral Sciences I                              | 4 |
| PHY 1409            | General Physics for Natural and Behavioral Sciences II                             | 4 |
| PHY 1420            | General Physics I  | 4 |
| PHY 1430            | General Physics II   | 4 |
| PHY 1455            | Descriptive Astronomy  | 4 |
| PHY 2455            | Foundations of Astronomy   | 4 |

### Business Courses

#### Business Core

| Code                 | Title  | Hours |
|----------------------|--|-------|
| ACC 2303 & ACC 2304  | Financial Accounting and Managerial Accounting                                 | 6     |
| BL 3305              | Legal Environment of Business  | 3     |
| BUS 1101             | Connect to Hankamer School Bus   | 1     |
| BUS 1201             | Introduction to Business   | 2     |
| BUS 1350             | Software Applications for Business Productivity and Decision-Making            | 3     |
| BUS 2101             | Career Management (Assessment & Discovery) for Undergraduate Students          | 1     |
| BUS 3101             | Career Management (Strategy & Success) for Undergraduate Students <sup>1</sup> | 1     |
| BUS 3315             | Business Communications  | 3     |
| BUS 4385             | Strategic Management <sup>2</sup>  | 3     |
| ECO 2306 & ECO 2307  | Principles of Microeconomics and Principles of Macroeconomics                  | 6     |
| FIN 3309 or FIN 3310 | Introduction to Finance and Introduction to Corporate Finance                  | 3     |
| MIS 3305             | Management Information Systems   | 3     |
| MGT 3305 & MGT 3325  | Leadership & Organizational Behavior and Operations Management                 | 6     |

|                        |  |           |
|------------------------|--|-----------|
| MKT 3305               | Principles of Marketing  | 3         |
| QBA 2302<br>& QBA 3305 | Business Data Analysis I<br>and Introduction to Business Analytics | 6         |
| <b>Total Hours</b>     |  | <b>50</b> |

<sup>1</sup> Students majoring in Accounting will complete ACC 3101 Accounting Career Management Seminar in place of BUS 3101 Career Management (Strategy & Success) for Undergraduate Students.

<sup>2</sup> It is strongly recommended that BUS 3101 Career Management (Strategy & Success) for Undergraduate Students, FIN 3309 Introduction to Finance or FIN 3310 Introduction to Corporate Finance, MGT 3305 Leadership & Organizational Behavior, MKT 3305 Principles of Marketing, and MGT 3325 Operations Management be taken in the junior year with a minimum grade of "C" required. These courses **must** be completed before BUS 4385 Strategic Management, the business capstone course.

| Major Code           | Title | Hours        |
|----------------------|-------|--------------|
| Major field of study |       | 12-19        |
| <b>Total Hours</b>   |       | <b>12-19</b> |

### Free Electives

Elective hours must be taken for a grade and are only needed to reach the 124 hour minimum to graduate. It is recommended that a student use electives to pursue a double major in the Business School or a minor or secondary major outside of the Business School.

**Note:** All courses taken in the major field, including those permitted in a different discipline (whether excess or not), will calculate into the GPA for that major.

### Requirements for Graduation with B.B.A. Degree

Students are responsible for all degree requirements described in the General Information section of this catalog.

The Bachelor of Business Administration degree may be obtained by completing a minimum of 124 semester hours of prescribed work. Ordinarily this can be expected to take eight semesters; however, students with superior scholastic capability may complete the requirements in seven semesters.

In order to graduate, a student must attain a "C" average cumulatively, including a "C" average in the courses for the major field, and a "C" average in the business core.

### Requirements for Integrated B.B.A./Graduate Degrees in Accounting

Those individuals preparing for the Certified Public Accounting professional certification should follow the B.B.A. undergraduate major in Accounting followed by the Master of Accountancy or The Master of Taxation Program described in the Graduate Catalog.

### Majors on the B.B.A. Degree

A student in the B.B.A. degree program must complete the required course work in at least one major. A major is defined as twelve to nineteen hours of specified course work in a particular field. A student may have a double major by completing the required semester hours in each majors' area.

The course work required for the various majors are on the following pages.

## Hankamer Scholars Program

The purpose of the Hankamer Scholars Program is to allow high-ability students interested in pursuing a BBA degree to complete the business curriculum in a more rigorous and condensed timeline. Hankamer Scholars are required to maintain high academic performance to remain in the program and retain the advantages of the program. Hankamer Scholars can be admitted to the Business School one year early at the beginning of their sophomore year. Students who are a part of the program will benefit from a minimum of 12 hours of flexibility in the BBA degree allowing them to more easily pursue multiple business majors, minors outside the Business School, or other pre-professional educational goals. This program is only available to first-time Freshmen entering Baylor.

### Admission to the Program

Qualifications for acceptance into the Hankamer Scholars Program include:

One qualifying academic score:

- Overall: 1360 SAT or higher
- Overall: 30 ACT or higher

(For test-optional students, a holistic review from Admissions certifies their eligibility.)

One qualifying math score (or credit for MTH 1321 Calculus I):

- 80 or higher on ALEKS Math
- 650 SAT or 27 ACT
- MTH 1320 Precalculus Mathematics departmental approved credit pre-matriculation

Documents required:

- Essay (how would you benefit from the program)
- Updated resume

### Curriculum Guidelines

The following courses are required for Scholars to be able to declare a major within the Business School:

| Code        | Title   | Hours |
|-------------|---|-------|
| BUS 1101    | Connect to Hankamer School Bus                                      | 1     |
| BUS 1350    | Software Applications for Business Productivity and Decision-Making | 3     |
| ENG 1310    | Writing and Academic Inquiry Seminars                               | 3     |
| or CLA 1304 | From Ancient Rhetoric to Modern Research Writing                    |       |
| or PHI 1301 | Introductory Topics in Philosophy                                   |       |
| MTH 1321    | Calculus I  | 3     |
| or MTH 1309 | Calculus for Business Students                                      |       |
| ECO 1380    | Introduction to Economic Analysis and Policy                        | 3     |
| ACC 2303    | Financial Accounting  | 3     |
| ACC 2304    | Managerial Accounting   | 3     |
| QBA 2302    | Business Data Analysis I  | 3     |

## Requirements for Maintaining Status in the Scholars Program

- Scholars must complete the above courses in-residence post-matriculation with a grade of "C" or higher.
- Scholars must earn and maintain a minimum 3.4 GPA.
- If a Scholar does not complete the above admission requirements by the end of the first year at Baylor, then he/she will be transitioned to the traditional BBA curriculum for admission.

## Minimum Standards to Remain in BBA Degree

- All BBA students, including Scholars, must earn a minimum 3.0 GPA in at least 24 hours at Baylor in their first year to continue in the BBA degree.
- All BBA students may repeat only once no more than two of: Research Writing course, MTH 1321 Calculus I or MTH 1309 Calculus for Business Students and the lower core business courses (including ECO 1380 for Scholars). Any student not meeting this requirement may no longer follow the BBA degree nor return to the BBA degree in the future.

## Curriculum Adjustments From Traditional BBA Degree Plan

- Hankamer Scholars are not required to complete BUS 1201 Introduction to Business, BUS 2101 Career Management (Assessment & Discovery) for Undergraduate Students or a Fine Arts course.
- Hankamer Scholars complete ECO 1380 Introduction to Economic Analysis and Policy in place of ECO 2306 Principles of Microeconomics and ECO 2307 Principles of Macroeconomics.
- Hankamer Scholars must qualify to take MTH 1321 Calculus I in their first semester at Baylor thereby skipping MTH 1320 Precalculus Mathematics.

Scholars will complete all other degree requirements specified for the BBA degree.

## B.B.A. as a Second Bachelor's Degree

A student who has been awarded another bachelor's degree (other than a B.B.A.) may obtain the B.B.A. degree by completing a minimum of sixty semester hours (less any required courses already completed) in the Hankamer School of Business, including fifty hours of the business core, and the twelve-hour minimum for a major. In no case will the degree be granted on the basis of less than thirty hours of residence work at Baylor (sixty hours if the first degree was awarded elsewhere).

## Majors

- Accounting (p. 295)
- Baylor Business Fellows (p. 295)
- Economics (p. 296)
- Entrepreneurship and Corporate Innovation (p. 296)
- Finance (p. 297)
- Human Resource Management (p. 297)
- International Business (p. 297)
- Management (p. 298)
- Management Information Systems (p. 298)
- Marketing (p. 298)
- Professional Selling (p. 299)

- Risk Management and Insurance (p. 299)
- Supply Chain Management (p. 299)

## Certificates

- Business Analytics Certificate (p. 300)
- Energy Commerce Certificate (p. 301)

## Minors

Non-business majors may choose minors in Business Administration, Economics, or Entrepreneurship. Non-business majors must have at least sophomore-standing, with a minimum 12 Baylor hours, and a 2.75 cumulative Baylor GPA in order to enroll in minor courses for the Business Administration and Entrepreneurship minors. Students must maintain a 2.75 cumulative GPA to continue taking classes in these minors. Course availability during the fall and spring semesters may be limited. Most courses for the Business Administration minor, however, are offered during the summer.

- Business Administration Minor (p. 300)
- Economics Minor (p. 300)
- Entrepreneurship Minor (p. 300)

## Endowed Positions

Endowed positions are ranked within the classifications of chairs, professorships, and fellowships.

### The Ben Williams Endowment

This endowment provides for five professorships, currently activated in the areas of economics, economic education, entrepreneurship, information systems, and marketing.

### Chairs

The Herman Brown Chair of Economics  
 The W. W. Caruth Chair of Entrepreneurship  
 The Harry and Hazel Chavanne Chair of Christian Ethics in Business  
 The Carr P. Collins Chair of Finance  
 The William E. Crenshaw Dean in the Hankamer School of Business  
 The William E. Crenshaw Endowed Chair 1  
 The William E. Crenshaw Endowed Chair 2  
 The H. R. Gibson Chair in Management Development  
 The Frank S. Groner Memorial Chair in Finance  
 The Curtis Hankamer Chair of Entrepreneurship  
 The Emerson O. Henke Chair of Accounting  
 The Roderick L. Holmes Chair of Accountancy  
 The Harriette L. and Walter G. Lacy, Jr. Chair of Banking and Finance  
 The Herman W. Lay Chair of Private Enterprise  
 The Terry S. Maness Endowed Chair in Lab-to-Market Entrepreneurship, A Baylor Academic Challenge Scholar  
 The Peat Marwick-Thomas L. Holton Chair of Accounting  
 The Mr. Mayo McBride Professorship of Finance  
 The Pat and Thomas R. Powers Chair of Investment Management  
 The Robert M. and Louise Rogers Chair of Entrepreneurship  
 The W. Grady Rosier Endowed Chair in Free Enterprise - A Baylor Academic Challenge Scholar  
 The E. M. and Thelma Stevens Chair of Private Enterprise and Entrepreneurship

### Professorships

The George J. Boden Professorship in the School of Business  
 The John C. Bowden Endowed Professorship in Private Enterprise  
 The J. E. Bush Professorship in Accounting



The Mr. and Mrs. Randall W. Ferguson (Sandra) Professorship in Information Systems  
 The Barry C. Gross Professorship in Free Enterprise  
 The Frank M. and Floy Smith Holloway Professorship in Marketing  
 The Helen H. Ligon Professorship in Information Systems  
 The Mrs. W. A. (Agnes) Mays Professorship in Entrepreneurship  
 The Walter Plumhoff Professorship in Accounting  
 The R. E. Reamer Professorship in Accounting  
 The W. H. Smith Professorship in Economics  
 The Edwin W. Streetman Professorship in Marketing  
 The Streich Family Professorship in Family Business and Succession  
 The Godfrey R. Sullivan, Jr. Professorship in Information Systems  
 The Ben H. Williams Faculty Endowments

### **Fellowships**

The Baylor Bishop Leadership & Innovation in Business Endowed Fund  
 The Jon and Dena Billington Endowed Marketing Research Fund  
 The Sam P. and Cheryl Boyd Endowed Dean's Excellence Fund for Hankamer School of Business  
 The Bob Brewton Baylor Angel Network Endowed Fund  
 The Christopher Scott and Amy Raub Brown Endowed Fund in Lab-to-Market Entrepreneurship  
 The Cione Family Endowed Fund for Professional Selling  
 The Stanley, Mike, and Darren Craig Endowed Fund in Lab-to-Market Entrepreneurship  
 The Ernst and Young Teaching Fellowship in Accounting  
 The Fenn Family Endowed Fund for Robbins Institute for Health Policy and Leadership  
 The Hankamer School of Business Accounting Missions Endowed Fund  
 The Mark and Robin Howard Hankamer School of Business Endowed Fund in Ethical Leadership  
 The JRBT Endowed Fund in Accounting (Jaynes, Reitmeier, Boyd & Therrell, P.C.)  
 The KPMG Summer Faculty Fellowship  
 The Marion Family Hankamer School of Business Management Department Endowed Fund in Ethics & Leadership  
 The Kathleen and Mindy Mattina Endowment for Faculty Research  
 The Colletta and Don McMillian Memorial Endowed Fund  
 The Steven P. Napier Endowed Faculty Scholar Fund in the Hankamer School of Business  
 The Tom and Pat Powers Family Endowed Fund for Baylor Business Fellows  
 The PWC Faculty Fellowship for Teaching Excellence  
 The John David and Kelly Major Rainey Endowed Faculty Scholar Fund in Business Analysis  
 The Phil and Cindy Thames Endowed Fund in Information Systems & Business Analytics

### **Endowed Lectures and Library Shelves**

The Ben H. Williams Distinguished Speaker Series  
 The Ben H. Williams Marketplace Series—An Executive Speakers Program  
 The A. C. Upleger Accounting Lectures  
 The A. C. Upleger Accounting Shelf Fund

### **Scholarships**

A number of scholarships are available to students in the Hankamer School of Business. Applications may be obtained from the Undergraduate Programs Office in the Hankamer School of Business and must be submitted there prior to March 1 for the following academic year.

The James K. Abernathy Memorial Scholarship Fund  
 The Accounting and Business Law Faculty Endowed Scholarship Fund  
 The Accounting Department Scholarship Fund

The Pierce W. Alexander Endowed Scholarship in Accounting  
 The Sam L. Allen Scholarship Fund in Business  
 The Joel T. and Diane Bailey Allison Endowed Scholarship Fund in Healthcare Administration  
 The Alpha Kappa Psi Endowed Scholarship Fund  
 The Robert W. and Peggy A. Alspaugh Endowed Scholarship Fund  
 The Alvarez Family Endowed Scholarship Fund in Business  
 The American Marketing Association Scholarship Fund  
 The Charles W. Anderson Accounting Scholarship Fund  
 The Joseph and Kelly Armes Endowed Scholarship Fund  
 The Kristen and Michael Arnett Endowed Scholarship Fund in Accounting  
 The Robert L. Bailes, Sr. Endowed Scholarship Fund in Accounting  
 The Bill and Donna Baker Endowed Scholarship Fund  
 The Dan and Linda Baker Endowed Scholarship Fund  
 The Donna DuPuy Baker Endowed Scholarship in Economics  
 The Kenneth Ball Scholarship Fund  
 The Bank of America Scholarship Fund  
 The John F. Baugh Endowed Academic Scholarship Fund in Hankamer School of Business  
 The Joe E., Sr., and Bessie Dunkle Baxter Hankamer School of Business Endowed Scholarship Fund  
 The Baylor Business Network of Dallas Endowed Scholarship Fund  
 The Baylor Business Network of San Antonio Endowed Scholarship Fund  
 The Mr. and Mrs. W. F. Beall Academic Scholarship Fund  
 The C. W. Beard Endowed Scholarship Fund in Business  
 The John and Nikki Buxton Bell Endowed Scholarship Fund in Business  
 The Melvin Brian Beard Endowed Scholarship Fund  
 The Bob and Laura Beauchamp Endowed Scholarship Fund  
 The Walter A. and Gloria M. Bielstein Endowed Scholarship Fund  
 The W. Dial (Dub) Black, Jr. Endowed Scholarship Fund in Business  
 The James and Cornelia Blaine Endowed Scholarship Fund  
 The Wanda Alexander Blockhaus Endowed Scholarship  
 The Danny R. and Marsha L. Bowlin Endowed Scholarship Fund in Business  
 The Brazos Higher Education Endowed Scholarship Fund in the Hankamer School of Business  
 The Louis and Angela Bremer Endowed Scholarship Fund in Health Policy and Leadership  
 The Billy N. Brewer Memorial Endowed Scholarship Fund in Accounting  
 The H.N. Broom Endowed Scholarship Fund in Management  
 The Shepherd Spencer Neville Brown Memorial Endowed Scholarship Fund  
 The Frances Mary Brownlie Endowed Scholarship in Accounting  
 The R. Michael Bryant Endowed Scholarship Fund  
 The Burke Family Endowed Scholarship Fund in Accounting  
 The Frank Hammond Burkhart Endowed Accounting Scholarship  
 The A. S. Burleson Scholarship Fund  
 The Madalene and James Reuben Butler Endowed Scholarship Fund  
 The H. E. Butt Grocery Company Endowed Scholarship Fund  
 The Lance and Lauren Byrd Endowed Scholarship Fund in Entrepreneurship  
 The Norman N. Campbell Memorial Endowed Academic Scholarship Fund  
 The Steve B. and Penny Flowers Carlile Endowed Scholarship Fund in Business  
 The Chester E. Carlson Endowed Scholarship Fund in Accounting  
 The Claude S. Carlton Endowed Scholarship Fund  
 The Steve and Claudia Carmichael Family Scholarship Fund  
 The Monroe S. Carroll Endowed Scholarship Fund  
 The Michael N. and Ann C. Cassell Student Assistance Fund  
 The Caitlin N. Casteel Endowed Scholarship Fund in Accounting  
 The William D. Caton and Susan M. Doyle Caton Endowed Scholarship Fund in Accounting



- The Center for Professional Selling Endowed Scholarship Fund  
 The Cervantes Family Hankamer School of Business Endowed Scholarship Fund  
 The William W. and Carolyn C. Chaney Endowed Scholarship Fund  
 The Staden and Yonnie Chapman Endowed Scholarship Fund  
 The Mary Ellen Chavanne Scholarship Fund  
 The Clifton Edward and Corin Watson Childs Scholarship Fund  
 The Dr. Lawrence B. Chonko Scholarship Fund  
 The Chou Family Endowed Scholarship Fund in Sports, Sponsorship and Sales  
 The Nathan E. and Margaret A. Christian Endowed Scholarship Fund in Economics  
 The Bobbie B. Cobb Endowed Scholarship Fund in Business  
 The Charles and Stacey Cochran Endowed Scholarship Fund in Management Consulting  
 The Mary and Paul Cole Endowed Scholarship Fund  
 The Coleman Family Endowed Scholarship Fund in Business  
 The Lane and Kaye Collins Endowed Scholarship Fund  
 The James H. Colvert Endowed Scholarship Fund  
 The Scott and Kirsten Kloesel Colvert Endowed Scholarship Fund for Accounting Graduate Program  
 The Michael S. Connell Endowed Scholarship Fund in Accounting  
 The Lucian and Suzanne Conway Endowed Scholarship Fund in Accounting  
 The Carol Cooper Memorial Endowed Scholarship Fund  
 The Robert D. Cope Endowed Scholarship Fund  
 The Robert D. Copple Endowed Scholarship Fund in Accounting  
 The Edward "Eddie" Leonard Cotner Endowed Scholarship Fund in Accounting  
 The Donald L. and Kathryn M. Cox Endowed Scholarship Fund  
 The Dana F. Crawford Accounting Scholarship Fund  
 The Harold and Pat Crawford Memorial Endowed Scholarship Fund  
 The Ed Crenshaw Endowed Scholarship Fund in the Hankamer School of Business  
 The Zubin and Suzanne Scates Daroowala Endowed Scholarship Fund in Business  
 The David W. and Christy B. Dauphin Endowed Scholarship Fund in Accounting  
 The Thomas R. and Amy Breunig DeGoey Endowed Scholarship Fund in Management  
 The Deloitte and Carroll Webb Accounting Scholarship Fund  
 The Delta Sigma Pi Endowed Scholarship Fund  
 The Kenneth B. and Donna Vanwinkle Denton Endowed Scholarship Fund  
 The Jesse A. Derrick Memorial Scholarship Fund  
 The Donald and Della Adams Diggs Memorial Scholarship Fund  
 The Dixon Family Endowed Scholarship Fund in Business  
 The Melvin and Margaret Dorr Endowed Scholarship Fund  
 The James R. Drury Memorial Scholarship Fund  
 The Robert and Jeannine Duke Endowed Scholarship Fund in the Hankamer School of Business  
 The William P. and Janie B. Dukes Memorial Endowed Scholarship in Business  
 The Gerald P. and Kathy M. Dunlap Endowed Scholarship Fund in Business  
 The James Franklin and Beverly H. Eberts Business School Endowed Scholarship Fund  
 The Economics Department Endowed Scholarship Fund  
 The William T. and Dorothy L. Edgar Accounting Scholarship Fund  
 The Kay and Don Elliott Endowed Entrepreneur Scholarship Fund  
 The Milton W. and Rebecca L. Ellisor Endowed Scholarship Fund  
 The Dr. Eric J. Emerson Endowed Scholarship Fund in Business  
 The J. F. England Endowed Scholarship Fund in Professional Selling  
 The Adrian Escalante, Jr. Endowed Scholarship Fund in Business  
 The Alfred Verlin Jr. and Ruth Downes Evans Family Endowed Scholarship Fund in Accounting and Finance  
 The Sloan Everett Endowed Scholarship Fund  
 The A. David Ewing Memorial Scholarship Fund  
 The Walter C. & Lillian Fadal Endowed Scholarship Fund  
 The Will and Carolyn Fair Endowed Scholarship Fund  
 The Tom '96 and Carrie '98 Field Family Endowed Scholarship  
 The Kellie and Scott Fischer Endowed Scholarship Fund in Accounting  
 The Carroll and Colleen Fitzgerald Endowed Scholarship Fund in Business  
 The William D. Ford Endowed Scholarship Fund  
 The Jon M. Foster Family Endowed Scholarship Fund in Business  
 The Neil S. Foster Memorial Scholarship Fund  
 The Jim and Xan Foulks Endowed Scholarship Fund  
 The Jared L. Frame Memorial Endowed Scholarship Fund  
 The Carl A. "Jake" Freeze Accounting Scholarship  
 The Douglas W. Frost Memorial Scholarship Fund in the Hankamer School of Business  
 The Franklin George Gabriel Endowed Scholarship Fund in the Hankamer School of Business  
 The Jim Gabriel Endowed Business Scholarship Fund  
 The Michael and Amy Gathright Endowed Scholarship Fund in Business  
 The Bert Kenneth Geisler Endowed Scholarship Fund in Business  
 The William Geldmeier, Jr. Accounting Scholarship Fund  
 The Eric Hercules Geotas Memorial Endowed Scholarship Fund  
 The Mr. and Mrs. Louis Theodore Getterman, Sr. and Mr. and Mrs. Emerson E. Holt Endowed Scholarship Fund  
 The James B. Gilbreath Business Scholarship Fund  
 The Evelyn S. Gorin Endowed Scholarship Fund  
 The R. Randall Grace Jr., Memorial Scholarship  
 The R. Dean and Marjorie "Peggy" Bell Graves Endowed Scholarship Fund in Business  
 The Gus B. and Betty S. Green Endowed Scholarship Fund  
 The J. Wiley Green Endowed Memorial Scholarship Fund  
 The Philip and Lisa Green Endowed Scholarship Fund in Business  
 The Jim and Debbie Greenwood Endowed Scholarship Fund  
 The Barry C. Gross Endowed Scholarship Fund in Business  
 The Guaranty Federal Bank Scholarship Fund  
 The Jerry T. and Christi J. Haag Family Endowed Scholarship Fund in Business  
 The William G. and Helen D. Habicht Memorial Scholarship Fund  
 The Hankamer School of Business Scholarship Fund  
 The Geraldine Hankamer Scholarship Fund  
 The Tom and Melba Harken Endowed Scholar Fund  
 The Shelley and Jack Harper Endowed Scholarship Fund  
 The Harriet Tubman - Texas American Bank/Fort Worth Endowed Scholarship Fund  
 The Robin and Wendy Harris Family Endowment  
 The Gary W. and Deborah K. Harroz Endowed Scholarship Fund  
 The Maxine B. Hart Information Systems Scholarship Fund  
 The Ellis and Helen Head Endowed Scholarship Fund  
 The Caroline G. and Larry P. Heard Endowed Scholarship Fund in Business  
 The Hickerson Family Endowed Scholarship Fund  
 The Hodge Family Endowed Scholarship Fund in Business  
 The Hoffman Family Endowed Scholarship in Accounting  
 The Walter Henry and Nora Bradley Holcombe Endowed Scholarship Fund  
 The James C. and Donna L. Hollon Scholarship Fund  
 The Frank and Floy Smith Holloway Endowed Scholarship Fund  
 The Ellen L. Holman Endowed Scholarship Fund in Information Systems  
 The Karen A. and Jonathan D. Hook Family Endowed Scholarship Fund  
 The Horn Family Endowed Scholarship Fund in Business

- The David Houston Endowed Scholarship Fund in Economics  
 The Bobby and Pat Hoxworth Endowed Scholarship Fund in Business  
 The Huey Family Endowed Scholarship Fund  
 The Jim and Ann Huffman Family Endowed Scholarship Fund in Accounting  
 The Jackson Hughes Scholarship Fund  
 The Anne and Michael Hyde Endowed Scholarship Fund in Business  
 The John and Patricia Ikard Scholarship Fund  
 The IKON Office Solutions, Inc. Endowed Scholarship Fund  
 The Information Systems Department Scholarship Fund  
 The Robert Poss and Beth Rushing Ingram Endowed Scholarship Fund in Business, a Hord Challenge Scholarship  
 The Dudley and Donna V. Jackson Endowed Scholarship Fund in Accounting  
 The D. T. Janes Endowed Academic Scholarship Fund  
 The Steve and Beth Jarvie Endowed Scholarship Fund  
 The Harry and Anna Jeanes Endowed Scholarship Fund in the Hankamer School of Business  
 The Rex Jennings Family Endowed Scholarship Fund  
 The Jeremiah 29:11 Endowed Scholarship Fund in Business  
 The Gary and Patricia Johnson Scholarship Fund  
 The Jerry W. Johnson Endowed Scholarship Fund in Marketing  
 The Ross T. and Jill Morrison Johnson Endowed Scholarship Fund  
 The Robert E. and G. Austin Johnston Hankamer School of Business Endowed Scholarship Fund  
 The C.W. Jones Memorial Endowed Scholarship Fund in the Hankamer School of Business  
 The Charles Walton Jones Endowed Scholarship Fund in Accounting  
 The John Graham Jones Endowed Scholarship Fund in Entrepreneurship  
 The Kathryn Kepner Jones Endowed Scholarship Fund  
 The Jones/Hill Family Endowed Scholarship Fund in Accounting  
 The Kanaly Family Endowed Scholarship Fund  
 The Professor Thomas M. Kelly Endowed Scholarship Fund in Business  
 The Kelley Family Endowed Scholarship Fund, a Hord Challenge Scholarship  
 The Robert and Katie Cunningham King Endowed Scholarship Fund  
 The William Eugene and Eloise Eppner Kirkpatrick Endowed Scholarship Fund  
 The Kirksey Family Endowed Scholarship Fund in Entrepreneurship  
 The James M. "Henry" & Lynn Williams Klatt Endowed Scholarship Fund  
 The Kevin J. and Dr. Hope Koch Endowed Scholarship in Fund in Business  
 The Stanley Koester Scholarship Fund in the Hankamer School of Business  
 The Darlene Kyser Endowed Scholarship Fund in Business  
 The Grady H. Langford, Jr. Memorial Endowed Scholarship Fund in Finance  
 The R. Britt Langford Endowed Scholarship Fund in Business  
 The Christopher R. and Julianna A. LeBlanc Endowed Scholarship Fund  
 The William A. Lee Endowed Scholarship Fund in Business  
 The Darryl Lehnus Endowed Scholarship Fund in Sports Strategy and Sales  
 The Milfred L. and Mary Lee Lewis Endowed Academic Scholarship Fund  
 The Herbert and Johanna Liebscher Foundation Endowed Scholarship Fund  
 The Curtis F. Lightfoot Hankamer School of Business Endowed Scholarship Fund  
 The Ryan and Karen Liles Endowed Scholarship Fund for Accounting Graduate Programs  
 The James E. and Anna Lindemann Endowed Scholarship Fund  
 The Ezra Thomas Little Endowed Scholarship Fund in Entrepreneurship  
 The Justin G. and Frances P. Longenecker Endowed Scholarship Fund  
 The Martin C. Lovvorn Memorial Scholarship Fund  
 The Lowe's Market Endowed Scholarship Fund in Business  
 The Lubel Family Endowed Scholarship Fund  
 The Mr. and Mrs. Tom Lutz Hankamer School of Business Scholarship  
 The M. Lee and Millie Harris Endowed Scholarship Fund in the Hankamer School of Business  
 The Robert Allen Mann Endowed Academic Scholarship Fund  
 The Christopher P. and Jill S. Manning Endowed Scholarship Fund  
 The Herbert W. Markwardt Endowed Scholarship Fund in Entrepreneurship  
 The Don and Faith Martin Family Foundation Endowed Scholarship Fund in Business  
 The Clyde D. Martin and Marjane Martin Endowed Scholarship Fund in Accounting  
 The George M. and Bonnie L. Martin Endowed Scholarship Fund  
 The Kimberly and Scott Martin Endowed Scholarship Fund in Business  
 The Albert G. and Lucy Maynard-McGee Endowed Scholarship Fund in the School of Business  
 The McClain Family Endowed Scholarship Fund  
 The Red McCombs Excellence in Leadership Endowed Scholarship Fund  
 The Duane and Betty McCullough Endowed Academic Scholarship Fund  
 The Ruth Carroll McCullough Endowed Memorial Scholarship Fund  
 The Mr. and Mrs. George McElroy Scholarship Fund  
 The M. Ray McGowen Endowed Scholarship Fund in Business  
 The Wilson E. and Linda H. McGregor Endowed Accounting Scholarship Fund  
 The W. Scott and Dana T. McLain Endowed Scholarship Fund in Accounting  
 The Drayton McLane, Jr. Hankamer School of Business Endowed Scholarship Fund  
 The Michael P. McNamara, Sr., Endowed Scholarship Fund  
 The Eric and Theresa Michaud Endowed Scholarship Fund in Business  
 The Margaret Wells Middlebrook Endowed Scholarship Fund in Business  
 The Tom and Leslie Milam Endowed Scholarship Fund in Business  
 The Bryan C. Miller, Jr. and Martha H. Miller Foundation Endowed Scholarship Fund  
 The Helen J. Miller Endowed Scholarship Fund in Accounting  
 The Mark and Lisa Miller Endowed Scholarship Fund  
 The Jeff Mills Family Endowed Scholarship Fund in Entrepreneurship  
 The Montgomery Endowed Scholarship Fund  
 The Carlos W. Moore Endowed Scholarship Fund  
 The Chris and Lamar Moore Endowed Scholarship Fund  
 The Sam Moore School of Business Scholarship Fund  
 The Pete and Thelma Casso Morales Endowed Scholarship Fund in Business  
 The Brenda M. Morris/Baylor Business Network of Houston Endowed Scholarship Fund  
 The Ronald D. and Cheryl H. Murff Endowed Scholarship Fund in Business  
 The Hershey and Becky McKnight Muse Endowed Scholarship Fund in Business  
 The Catherine Beth Taylor Musgrave Endowed Scholarship Fund in Business  
 The Doug and Missy Myers Endowed Scholarship Fund in Business  
 The Walton A. Nail Memorial Endowed Scholarship Fund  
 The H. Hart Nance Banking Endowed Scholarship Fund  
 The Ward B. Nelson Memorial Endowed Scholarship Fund  
 The Nitsche Family Endowed Scholarship Fund in Business  
 The Robert K. and Robin L. Nitsche Endowed Scholarship Fund in Business  
 The Ruth E. Nordyke Endowed Scholarship Fund in Business  
 The Jeffrey K. and Leslie S. Norman Family Endowed Scholarship Fund  
 The Lyndon Olson Jr., Endowed Scholarship Fund

- The Tony and Louisa Pack Endowed Scholarship Fund in Business, a Hord Challenge Scholarship
- The Jeanie and Allen Pagel Endowed Scholarship Fund for the Hankamer School of Business
- The Don P. Panter Memorial Endowed Scholarship Fund
- The Leo and Gloriana Parchman Endowed Business Scholarship Fund
- The James M. (Jamie) and Carol Bright Parker Endowed Academic Scholarship Fund in Business
- The James M. (Jamie) and Carol Bright Parker Endowed Scholarship Fund in Business
- The John and Richelle Parker Endowed Scholarship Fund
- The James W. Parsons, Jr., Endowed Scholarship Fund Hankamer School of Business
- The Earl B. Patrick Family Endowed Scholarship Fund
- The Mark H. and Susan L. Payne Endowed Scholarship Fund
- The Park E. Pearson Endowed Scholarship Fund in Accounting
- The Brian C. Pennington School of Business Scholarship Fund
- The Laree E. Perez Endowed Scholarship Fund in Business
- The Mervin D. Peters Endowed Scholarship Fund in Business
- The J. William Petty Endowed Scholarship Fund
- The Kurt and Kristi Plumer Endowed Scholarship Fund in Business
- The Verna Lou Bissett Pittman Memorial Endowed Scholarship Fund
- The Rogers and Joyce Pope Endowed Scholarship Fund
- The Boone and Peggy Powell Endowed Scholarship Fund for the Robbins Institute at the Hankamer School of Business
- The Tom and Pat Powers Family Endowed Scholarship in Business
- The Floyd W. and Frances Prather Scholarship Fund
- The Price Waterhouse/Harold Dokupil Endowed Scholarship Fund
- The James E. Pullen Memorial Endowed Scholarship Fund
- The Randy and Myra Pullin Endowed Scholarship Fund in Accounting
- The William C. Ray Endowed Scholarship Fund
- The Alan and Cathy Raymond Endowed Scholarship Fund in Business
- The Jeffrey Alan and Lauren Keathley Read Endowed Scholarship Fund
- The Jack W. Sr., and Jan Redding Endowed Scholarship Fund in Business
- The Jack W. Redding, Jr. and Juli A. Redding Memorial Endowed Scholarship Fund
- The David Reid Endowed Scholarship Fund in Entrepreneurship
- The Curtis and Gerry Reiersen Endowed Scholarship Fund
- The Anna T. Reiman Endowed Scholarship Fund in Business
- The S. Jack Reiman Endowed Scholarship Fund in Business
- The G. Michael and Edith Colvin Reitmeier Endowed Scholarship Fund in Graduate Accounting
- The Janet A. Rhines Endowed Scholarship Fund in Economics
- The Rex Bodoian and John G. Richter Memorial Scholarship Fund
- The David A. and Kandice L. Ridley Endowed Scholarship Fund
- The Harold E. Riley Scholarship Fund
- The Richard and Patricia Roach Endowed Business Scholarship Fund
- The Bart and Beth Roberson Endowed Scholarship Fund
- The Mark A. and Chrystine Buchholz Roberts Endowed Scholarship Fund
- The Eric J. Rothe and Phillip C. Endsley Endowed Scholarship Fund
- The Gordon Rountree Endowed Academic Scholarship Fund in Marketing
- The Rountree Family Endowed Scholarship Fund for Accounting Graduate Programs
- The Ronnie and Mary Rudd Hankamer School of Business Scholarship Fund
- The John and Jo Ruzicka Endowed Scholarship Fund in Business
- The Dean and Danene Saggau Endowed Scholarship Fund in Business
- The Robert Scroggs Sales Scholarship Fund
- The Scott J. and Susannah Spence Salmans Scholarship Fund in the Hankamer School of Business
- The Eduardo Santa-Cruz Memorial Endowed Scholarship Fund
- The Jeff and Judy Schmeltekopf Endowed Scholarship Fund in Financial Planning
- The Tracy Schultz and Karen Turner Endowed Scholarship Fund
- The Chris Schumacher Memorial Scholarship Fund
- The Richard C. Scott Endowed Scholarship Fund
- The Terry M. Scott Endowed Scholarship Fund
- The Walter M. and Elizabeth Parkhill Scott Endowed Scholarship Fund Hankamer School of Business
- The William M., Jr. and Lee A. Shamburger Endowed Scholarship Fund in Accounting
- The John T. Sharp Accounting Scholarship Fund
- The Robert S. and Dixie A. Shelton Endowed Scholarship Fund in Accounting
- The Paul and Norma Shultz and Family Endowed Scholarship Fund in Business
- The Bobby R. Simpson Endowed Scholarship Fund
- The Kenneth G. Simpson Memorial Endowed Scholarship Fund in Accounting
- The David and Sandy Sledge Endowed Scholarship Fund in Entrepreneurship
- The Derek and Jennifer Smith Endowed Scholarship, a Hord Challenge Scholarship
- The Michael and Becky Smith Endowed Scholarship Fund in Accounting
- The Billy Joe and Mary Beth Smith Trust Endowed Scholarship Fund
- The Patsy Smith Endowed Scholarship Fund for Women in Business
- The Walstein Smith, Jr., Scholarship Fund
- The W. Harrell and Martha Isbell Spears Endowed Scholarship Fund in Business
- The Dr. Wayman Spence Scholarship Fund
- The Russell A. and Holli S. Spencer Endowed Scholarship Fund
- The Joe L. and Joan Spivey Endowed Scholarship Fund
- The James and Debra Stanford Endowed Scholarship Fund in Business
- The Kara Roddy Stracener Memorial Business Scholarship Fund
- The Mickie and Bill Strait Endowed Scholarship Fund for the Accounting Graduate Program
- The Striebeck Family Endowed Scholarship Fund
- The Godfrey R. and Viola W. Sullivan Endowed Scholarship Fund in Business
- The Anne and Basil Surgent Memorial Endowed Scholarship Fund
- The Wayne and Barbara Swearingen Endowed Scholarship Fund in Business
- The Terry and Cindy Syler Endowed Scholarship Fund in Business
- The Karen and Jeff Tanner Endowed Scholarship Fund in Sales and Marketing
- The Tartaglino-Richards Family Endowed Scholarship Fund
- The Callaway Foundation Endowed Scholars Fund
- The Dr. Bill Thomas Endowed Scholarship Fund in Accounting
- The Jack M. Thornton/CUMREC-College & University Computer Users Conference Endowed Scholarship Fund
- The Brian and Karen Tinsley Endowed Scholarship Fund
- The James and Barbara Tipps Endowed Scholarship Fund
- The Mark W. Tipton Endowed Scholarship Fund
- The Mark and Courtney Toon Endowed Scholarship Fund
- The A. A. Torance Memorial Scholarship
- The H. Roy Touchy, Jr., and Deborah Putzka Touchy Endowed Scholarship Fund
- The Kirk E. and Carol T. Townsend Endowed Scholarship Fund in Business
- The Joan T. Trew Family Endowed Scholarship Fund in Business
- The Edwin L. (Jack) Trice Scholarship Fund
- The W. James Truitt Scholarship Fund
- The Joseph Platt, Jr., and Kathryn M. Turner Endowed Scholarship Fund
- The Sarah Marie Turner Endowed Scholarship Fund in Accounting

The Shane Turner Endowed Scholarship Fund in Entrepreneurship  
 The O. G. Tyler Endowed Scholarship Fund  
 The Laura Marks Tynes and Warren B. Tynes Endowed Scholarship Fund  
 in the Hankamer School of Business  
 The UHY Mann Frankfort Stein and Lipp Advisors, Inc. Endowed  
 Scholarship Fund  
 The Reverend Virgil and Bonnie Vaughn Endowed Scholarship Fund  
 The Jay and Corby Verdoorn Endowed Scholarship Fund  
 The Jonathan Alvin Wade Endowed Scholarship Fund  
 The Brigadier General Donald B. Wagner and Jan Wagner Endowed  
 Scholarship Fund  
 The William Cullen Walters Excellence Award  
 The Charles Michael and Amy Clark Walton Endowed Scholarship Fund  
 The Charles W. Weathers Endowed Scholarship Fund  
 The Jan Criswell Webb Endowed Scholarship Fund, a Hord Challenge  
 Scholarship  
 The Weber Family Endowed Scholarship Fund  
 The Donald A. Weckwerth Endowed Scholarship Fund in Business  
 The Steve and Vicki Smith Weinberg Endowed Scholarship Fund in  
 Business  
 The Temple and Jennifer Weiss Endowed Scholarship Fund  
 The Richard B. and Becky D. Welday Endowed Scholarship Fund  
 The Wells Fargo Endowed Scholarship Fund in Business  
 The Charles Floyd Wells, Jr. Endowed Scholarship Fund in Business  
 The Dilum Chandrasoma and Surangi Widiyaratne Family Endowed  
 Scholarship  
 The Ray Hankins Wilkerson Endowed Scholarship Fund in Business  
 The Bill and Eva Williams Endowed Scholarship Fund  
 The Donald Hugh and Jeannette M. Williams Endowed Scholarship Fund  
 in Business  
 The Willis Family Endowed Scholarship Fund  
 The Willis Family Endowed Scholarship Fund  
 The Betsy Best Willis Endowed Scholarship Fund in Accounting  
 The Frank C. and Elizabeth Anders Wilson Scholarship Fund  
 The SuEllen and John H. Wilson Hankamer School of Business Endowed  
 Scholarship Fund  
 The Geoff and Amy Wolf Endowed Scholarship Fund in Graduate  
 Accounting  
 The Winston Wolfe Endowed Scholarship Fund in Entrepreneurship  
 The Michael Anderson Wood Endowed Scholarship in Finance and  
 Accounting  
 The Charles Franklin Worrell, III Memorial Endowed Academic Scholarship  
 Fund  
 The Jennifer and Stephen Wright Endowed Scholarship Fund  
 The Mervin H. Yeagle, Sr., and Mildred L. Yeagle Endowed Scholarship  
 Fund in Marketing  
 The John Weldon Youngblood Memorial Scholarship Fund

In addition to the scholarships listed here, any business student is eligible to apply for one of the unrestricted scholarships available at Baylor University. Applications for these scholarships should be submitted directly to the Student Financial Aid Office.

## Honor Societies

### Beta Gamma Sigma (The National Honor Society for Collegiate Schools of Business)

Sandeep Mazumder and Randy T. Hacker, Advisors

Election to membership in Beta Gamma Sigma is the highest scholastic honor that a business student can achieve. Election is based upon outstanding scholastic achievement and is available to juniors, seniors, and graduate students. The Delta of Texas Chapter was established at

Baylor in 1960. Detailed information on the society can be obtained in the Dean's office of the Hankamer School of Business.

### Omicron Delta Epsilon

James W. Henderson, Advisor

The Alpha Chapter of Omicron Delta Epsilon, national honor society in economics, received its official charter in 1951. The aim of the honor society is to stimulate interest and discussion in economic affairs, to bring worthwhile and authoritative speakers to the campus, and to cooperate in the common cause of the Hankamer School of Business and of Baylor University.

## Professional Organizations

### Alpha Kappa Psi

Randy Hacker, Advisor

The Epsilon Eta Chapter of Alpha Kappa Psi is a professional organization of business students. It aims to further the individual welfare of its members; to foster scientific research in the fields of commerce, accounting, and finance; to educate the public to appreciate and demand higher ideals therein; and to cooperate with the school in the development of courses in business administration.

### American Marketing Association

Tyrha M. Lindsey and Randy Hacker, Advisors

The Baylor University Chapter of the American Marketing Association was first chartered in the 1970s and became one of the largest student groups on campus. It was re-chartered in 2009. The chapter is open to students interested in the marketing field, regardless of major. Through its club projects, field trips, and regular meetings the organization furthers the professional development of its members. Students involved with the organization gain hands on marketing experience, build lasting relationships with other students and business professionals, and learn networking skills that will assist them in the business world. Members are encouraged to work with other team members to participate in national marketing competitions. The chapter promotes an interactive relationship between students, faculty, and business professionals and broadens its members' understanding of current marketing trends.

### Association of Information Systems

Hope A. Koch, Advisor

The Baylor University Chapter of the Association of Information Systems is a professional organization for students planning careers in information systems or related professions. Intended to complement and expand classroom studies, AIS provides students with opportunities to exchange information with members of the information systems community and to explore various career alternatives. Membership is open to any student who is interested in information systems and has at least a 2.0 grade point average.

### APICS (Supply Chain Management Student Organization)

Josh Strakos, Advisor

APICS is a student forum of the Association for Supply Chain Management (ASCM), sponsored by the ASCM North Texas Chapter. It is open to any current or potential Supply Chain Management student. Goals of the organization are to recruit new students to the Supply Chain Management major, form lasting relationships with Supply Chain professionals, provide a networking platform for current Supply Chain Management majors, host networking functions for students and



potential employers, and educate members about supply chain and professional certifications.

### **Baylor Women in Business**

Emily M. Hunter and Kaylee J. Hackney, Advisors

Baylor Women in Business is dedicated to developing a strong network of Christian women to provide opportunities for personal growth and business relationship development by integrating professional insight, service, integrity, and leadership.

### **Bears' Association of Human Resources**

Cindy Wu, Advisor

The Bears' Association of Human Resources is a student chapter of the Society for Human Resource Management, sponsored by the Dallas professional chapter. It is open to all students interested in careers in human resource/personnel management. Through guest speakers and company visits, the association hopes to better prepare students for careers in the human resource/personnel areas and to provide opportunities to network with practicing human resource professionals.

### **Black Business Students Association at Baylor**

Tyrha M. Lindsey, Advisor

The Black Business Students Association at Baylor strives to promote unity and community among Black students at Baylor University who are business majors, minors or have interests in pursuing careers in business following graduation. Our major goals are to provide a strong professional network for Black Business students at Baylor, to hold events that strengthen personal and professional development of students, and to connect students to companies and professionals in industry outside Baylor's campus.

### **Christian Business Leaders**

Priscilla James, Advisor

The purpose of Christian Business leaders is to glorify the Lord and grow in our relationship with Jesus Christ by learning from Christians in the business world, being challenged to develop as servant leaders, building relationships within the Body of Christ, and seeking God's will for our lives and occupations in order to share the gospel of Jesus Christ with the students and faculty of the Hankamer School of Business at Baylor University and ultimately to the world.

### **Delta Sigma Pi**

Johnny Bhojwani, Advisor

The Beta Iota Chapter of Delta Sigma Pi is a professional business fraternity open to all qualified men and women who are business majors. Professionalism is the theme that permeates the organization. All activities are aimed at fostering and developing future business leaders. Guest speakers, company visits, resume workshops, and charitable and fund-raising projects allow interested students ample opportunities to use and apply the business theories taught to them in the classroom and learn new concepts that they may not have gotten from a classroom setting.

### **Gamma Iota Sigma**

Paul Anderson, Advisor

The Baylor University chapter of the national professional fraternity Gamma Iota Sigma was chartered in 2001. Gamma Iota Sigma promotes risk management and insurance as an area of study and professional practice. Students have opportunity to interact with the professional

community and access to scholarships and internship opportunities. Membership is open to any student with an interest in risk management and insurance, finance, financial planning, and actuarial science.

### **Global Business Connect at Baylor**

Jim Anderson, Advisor

Global Business Connect's goal is to develop value-centered leaders that will impact the world of global business through academic and professional initiatives and connection among Baylor alumni and students interested in global business.

### **Hankamer Student Organization**

Laura Lalani and Krista Meek Howell, Advisors

The Hankamer Student Organization is a student organization established to promote unity among the students and to improve communications between the faculty and the student body, both in the Hankamer School of Business and in the general University. Hankamer Student Organization also sponsors events for the business school and assists in the planning and execution of these events. The President actively communicates with the Dean of the Business School, and officers are each in charge of events and special projects. Members are actively involved in many other organizations within the business school and are elected by their peers to participate in this organization.

### **National Association of Black Accountants**

Daniel Shallcross, Advisor

The mission of the National Association of Black Accountants (NABA) is to address the professional needs of its members and to build leaders that shape the future of the accounting and finance profession with an unfaltering commitment to inspire the same in their successors.

### **Professional Selling Program**

Andrea L. Dixon, Advisor

Baylor University's Professional Selling program is a competitive program supported by Baylor's Center for Professional Selling. The selective nature of the program allows four full-time faculty to know and engage in each student's learning and development. Students may be accepted and begin participating in the program during their freshmen year. Students will experience formative out-of-class learning through numerous internal and external sales competitions, the student-led professional development program, bi-annual Top Gun training, and a yearly executive golf outing. These experiences in partnership with the curricular elements of the professional selling major create an environment where students achieve career readiness and career confidence as they graduate with their undergraduate degree. In fact, the program guarantees 100% placement in paid internships and full-time employment upon graduation.

### **Sports Strategy & Sales Club**

Lane T. Wakefield and Kirk L. Wakefield, Advisors

The S3 Club is designed to give students of all classes (freshmen to graduate students) the opportunity to develop values-based leadership skills to pursue fulfilling careers in the business of sports. Monthly meetings are organized by club members to learn and to network with executives and S3 alumni in the business of sports.

### **The Consulting Group at Baylor**

Michael Wright, Advisor



The Consulting Group at Baylor strives to prepare Baylor's best and brightest for a career in consulting through case interview preparation, resume workshops, mentoring from industry professionals, individual skill development, and consulting project opportunities. We are committed to making sure that Baylor's students are ready to enter the consulting workforce and will often bring in the consulting companies that recruit from Baylor to talk with our members.

## Majors

- Accounting (p. 295)
- Baylor Business Fellows (p. 295)
- Economics (p. 296)
- Entrepreneurship and Corporate Innovation (p. 296)
- Finance (p. 297)
- Human Resource Management (p. 297)
- International Business (p. 297)
- Management (p. 298)
- Management Information Systems (p. 298)
- Marketing (p. 298)
- Professional Selling (p. 299)
- Risk Management and Insurance (p. 299)
- Supply Chain Management (p. 299)

## Accounting (ACC)

### ACC 2301 Survey of Accounting (3)

Pre-requisite(s): Sophomore or upper-level standing; a minimum GPA of 2.75; not open to BBA students or other students who have taken ACC 2303

An introduction to accounting for non-business majors that follows the business cycle of a start-up company. Topics include researching a company, financing operations, planning and budgeting, and the basic accounting cycle.

### ACC 2303 Financial Accounting (3)

Pre-requisite(s): Cumulative GPA of 3.0 or higher; Only open to BBA students

An introduction to corporate financial statements, their preparation, and their use in decision making by persons outside the organization. The course focuses on analyzing business transactions to chart their effects on the results of operations, the cash flows, and the financial position of businesses organized for profit.

### ACC 2304 Managerial Accounting (3)

Pre-requisite(s): Cumulative GPA of 3.0 or higher

A minimum grade of C in ACC 2303. Only open to BBA students. An introduction to principles of managerial accounting. Emphasis is given to the development and use of accounting information to support managerial decision-making processes in manufacturing, service, and not-for-profit settings. Topics include managerial concepts and systems, various analyses for decision making, and planning and control.

### ACC 3101 Accounting Career Management Seminar (1)

Pre-requisite(s): BUS 1101 and 2101

The course provides career exploration and development experiences designed for accounting majors in the first semester of the accounting core. It assists you in self-assessment, increasing personal marketability, choosing your career concentration focus, and developing various "soft skills" desired by hiring employers. The course offers unique professional development activities. Credit may not be received after receiving credit in BUS 3101.

### ACC 3301 Financial Accounting and Reporting I (3)

Co-requisite(s): ACC 3303

Pre-requisite(s): ACC 2303 and 2304 with a B average; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An examination of financial accounting considerations of business transactions. Emphasis is placed on understanding the accounting cycle, the conceptual framework underlying financial accounting, and recognition, measurement and reporting of receivables, inventories, property, plant and equipment, intangibles, liabilities, and stockholders' equity.

### ACC 3302 Financial Accounting and Reporting II (3)

Co-requisite(s): ACC 3304

Pre-requisite(s): ACC 3301 and 3303 with minimum grade of C or better in each course; only open to accounting majors

A continuation course to ACC 3301, examining financial accounting considerations of business transactions. Emphasis is placed on understanding the recognition, measurement, and reporting of revenue, earnings per share, deferred taxes, pensions, and leases.

### ACC 3303 Accounting Information Systems (3)

Co-requisite(s): ACC 3301

Pre-requisite(s): ACC 2303 and 2304 with a B average; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An in-depth study of the application of information systems knowledge to the accounting environment. Emphasis is upon developing students' abilities to understand the processing of accounting data (with an emphasis on the computer environment) and the controls that are necessary to assure accuracy and reliability of the data processed by the accounting system.

### ACC 3304 Introduction to Federal Taxation (3)

Co-requisite(s): ACC 3302

Pre-requisite(s): ACC 3301 and 3303 with minimum grade of C or better in each course; only open to accounting majors

An examination of the economic theory on which the United States taxation system is based and the legal principles surrounding income taxation.

### ACC 3305 Intermediate Accounting I (3)

Pre-requisite(s): A minimum grade of C in ACC 2304; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

(Not open to accounting majors.) The first of two courses for non-accounting majors covering financial accounting concepts and practices applicable to business enterprises organized for profit. Topics include the accounting cycle, the conceptual framework underlying financial accounting, measurement and reporting issues relating to receivables, inventories, intangible assets, property and equipment, and an overview of the income statement and balance sheet. May not be taken after credit received for ACC 3301.

**ACC 3306 Intermediate Accounting II (3)**

Pre-requisite(s): ACC 3301 or 3305

(Not open to accounting majors). A continuation of ACC 3305 for non-accounting majors, focusing on current liabilities, long-term debt, investments, stockholders' equity, and the statement of cash flows. Coverage includes accounting issues related to pensions, leases, deferred income taxes, earnings per share, accounting changes, and error analysis. May not be taken after credit received for ACC 3302.

**ACC 3310 Accounting Research and Communication (3)**

Co-requisite(s):

Pre-requisite(s): ACC 3301 and 3303 with minimum grade of C or better; only open to accounting majors

Use of primary sources of authoritative literature in resolving complex, professionally-oriented problems, primarily in financial accounting and taxation. Development of critical thinking and written and oral communication skills through applied research cases.

**ACC 3331 Control and Audit of Information Systems (3)**

Cross-listed as MIS 3332

See MIS 3332 for course information.

**ACC 4308 Advanced Managerial Accounting (3)**

Co-requisite(s): ACC 4330

Pre-requisite(s): ACC 3302 and 3304 with a grade of C or better; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Advanced study of managerial accounting and its use in both internal and external reporting, with an emphasis on managerial decision making. Course topics include various costing systems, cost-volume-profit analysis and the contribution approach to decision making, budgeting, and other managerial topics for planning and control.

**ACC 4310 Energy Accounting and Law (3)**

Pre-requisite(s): Recommended ACC 2303 and 2304

This course provides an overview of the oil and gas industry with respect to the accounting, tax, and legal functions of an organization. This includes the introduction of general terminology, history, and technical advances in the oil and gas industry as well as detailed analyses of industry specific accounting methods, cost recovery systems as well as financing and organizational structure trends in the industry.

**ACC 4320 Not-for-Profit and Governmental Accounting (3)**

Pre-requisite(s): ACC 4308 and 4330 with a grade of C or better in each course

(Not open to pre-business students). Examination of accounting, financial reporting, and budgeting for state and local governments, the federal government, and not-for-profit entities.

**ACC 4330 Auditing, Attestation and Assurance Services (3)**

Co-requisite(s): ACC 4308

Pre-requisite(s): ACC 3302 and 3304 with a grade of C or better; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of the processes conducted by independent, internal, and governmental accountants to audit, attest, and provide assurance services on information provided by management. Theoretical concepts of materiality, audit risk, and evidential matter are explored, along with the auditor's understanding of controls in a sophisticated technological environment. The application of these concepts in a way that develops critical thinking and communications skills is emphasized.

**ACC 4340 Advanced Accounting (3)**

Pre-requisite(s): ACC 3302 and ACC 3304 with a grade of C or better in each course

(Not open to pre-business students.) A study of partnership accounting practices and the techniques followed to consolidate the financial statements of parent and subsidiary companies. Attention is also given to the distinctive accounting procedures associated with governmental and not-for-profit accounting.

**ACC 4350 Business and Professional Ethics for Accountants (3)**

Co-requisite(s):

Pre-requisite(s): ACC 3302 and 3304 with a grade of C or better; not open to pre-business students

Examination of moral and ethical issues within the accounting profession and the broader business environment. In addition to a broad study of ethical behavior and decision making, various professional codes of conduct within the accounting profession will be examined. Central to this examination will be the discussion of integrity, independence and objectivity, as well as accountants' legal liability.

**ACC 4377 Personal and Business Tax Planning (3)**

Pre-requisite(s): A minimum grade of C in ACC 2304; only open to BBA students; BBA students must be admitted to the Business School in order to take this course; not open to accounting majors

Basic tax concepts and principles. Extensive discussion of an individual's income deductions as well as family tax planning issues. Examination of the effect of taxes on business decisions, including a study of the various forms of businesses. Coverage also includes taxation of employee benefits, business expenses, and gift, estate, and trust taxation. Limited tax return preparation. May not be taken after credit received for ACC 3304.

**ACC 4378 International Accounting (3)**

Cross-listed as INB 4378

Pre-requisite(s): A minimum grade of C in ACC 2303 and 2304; not open to pre-business students

Examination of international accounting within the context of managing multinational enterprises (MNEs). The course will address accounting issues in the context of different countries. Exploration of the factors that influence accounting standards and practices and how those factors impact the harmonization of worldwide standards.

**ACC 4396 Internship in Accounting (3)**

Pre-requisite(s): ACC 3302 and 3304 with a grade of C or better in each course and consent of director of accounting internships; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Supervised work, full-time, for a minimum of eight consecutive weeks with duties consistent with those of beginning accounting graduates.

**ACC 4V98 Special Studies in Accounting (1-6)**

Pre-requisite(s): Consent of instructor; not open to pre-business students

Individualized research in accounting. Student's proposals for special study project must be approved by the supervising faculty member. Offered on demand and by consent of the advisor for one to six semester hours. May be repeated several times under different topics.

## Business (BUS)

### **BUS 1101 Connect to Hankamer School Bus (1)**

Pre-requisite(s): Only open to pre-business majors

An introductory course designed to facilitate the transition of first-year business students to the Hankamer School of Business (HSB).

The course will include expert panels, guest speakers, alumni, faculty, and student guests, and provide exposure to HSB programming, build relationships within HSB, enhance the opportunity for academic success, and connect students with HSB. Selected topics include: role of the HSB curriculum, success in the Business School, HSB programming, business majors, building a professional portfolio, introduction to career services, and the importance of networking.

### **BUS 1201 Introduction to Business (2)**

Pre-requisite(s): Open only to students with 89 hours or less

An introductory course designed to increase the business and financial literacy of pre-business majors and lay a strong foundation for business ethics. Interactive, hands-on simulations and daily readings increase business and financial literacy. Working with the Baylor University Honor Code and various corporate codes of ethics improve both personal and professional ethics. Regular visits from Baylor alumni are a key component of the course.

### **BUS 1305 Software Applications for Personal Productivity (3)**

Pre-requisite(s): Not open to BBA students

This course cannot count toward the BBA degree. Introduces and develops foundational skills in applying business productivity tools to everyday tasks. Focus is on business productivity software applications, including word processing, spreadsheets, databases, and presentation graphics. Includes modules on hardware, software, cybersecurity, and networks/Internet..

### **BUS 1350 Software Applications for Business Productivity and Decision-Making (3)**

Pre-requisite(s): Only open to BBA students

A hands-on course designed to familiarize students with current software application tools used by business professionals – such as spreadsheets and databases – that are essential to helping managers organize, store, analyze, share, and present data to help promote effective business decision-making.

### **BUS 2101 Career Management (Assessment & Discovery) for Undergraduate Students (1)**

Pre-requisite(s): Cumulative GPA of 3.0 or higher; a minimum grade of C in BUS 1101; only open to BBA students

This course consists of a variety of career exploration and development experiences designed to help students identify their passion; prioritize and focus their job search efforts; and develop their leadership, communication, and personal marketability. Topics include self-assessment; career passion discovery; career exploration and development exercises; and interview training to assist in finding rewarding internships and full-time jobs.

### **BUS 2222 Introduction to Energy Commerce (2)**

Pre-requisite(s): BUS 1201 or ECO 1380 with a grade of "B" or better

The energy industry in the United States and the world. Fossil fuels (oil, natural gas, and coal), renewables (solar, wind, biomass, hydropower), current events, and environmental/regulatory issues. Analysis of major companies, sources of information, and career opportunities.

### **BUS 3101 Career Management (Strategy & Success) for Undergraduate Students (1)**

Pre-requisite(s): A minimum grade of C in BUS 2101

Only open to BBA students, excluding Pre-business majors. This course consists of a variety of career exploration and development experiences designed to prioritize and focus the students' job search needs; and develop the students' leadership, communication, and personal marketability. It will introduce networking skills, company (prospective employer) analysis, internship/job analysis and search strategy, interviewing skills, and negotiation techniques to maximize the students' new-hire potential. Credit may not be received after receiving credit in ACC 3101.

### **BUS 3302 Personal Financial Decisions (3)**

Pre-requisite(s): Upper-level standing; a minimum GPA of 2.75; not open to BBA students

Basic personal financial management. Principal topics include personal financial statements (balance sheet and income statement); budgeting and cash management; responsible use of consumer credit; personal income taxes; types of personal insurance; investment alternatives; buying and financing major assets (home, automobile, appliances); and estate planning.

### **BUS 3303 Managerial Communications (3)**

This course focuses on communication situations found in business and the work world. It is designed to help students become more successful in their professional lives. It incorporates the wide range of oral communication needed in our ever-growing diverse business and professional cultures. Topics of study and practice include improving presentation skills, overcoming communication apprehension, understanding the challenges of diverse cultures in the workforce, appreciating genderlect, using successful interpersonal skills, working in teams, developing leadership, preparing for ethical challenges, and participating in business dinner etiquette.

### **BUS 3310 Multinational Business (3)**

An interdisciplinary introduction to the unique problems and opportunities that face firms engaged in international business, from the point of view of the multinational firm doing business abroad. Special attention is given to the international environment. The course is taught only outside the United States.

### **BUS 3315 Business Communications (3)**

Pre-requisite(s): Prerequisite(s): ENG 1304 or ENG 1310 or BIC 1323; Only open to BBA students

This course prepares students for the communication challenges of the twenty-first century workplace. Essential elements of the writing process are covered. Students complete the standard brief transactional messages; follow a structured research process and produce an executive report; and make a professional oral presentation. Job search communication is included with an emphasis on strategic best practices.

### **BUS 3330 Cross-Cultural Communications (3)**

Overview of communication differences between cultures and how to successfully adapt global business practices across different cultures. Taught in a global setting it will utilize both organizational and cultural experiences to enhance written and verbal communication skills.

### **BUS 3337 The Business Of Professional Sports (3)**

**BUS 3345 Training and Development in Business and Industry (3)**

Pre-requisite(s): Upper-level standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course focuses on corporate training and its application to professional and staff development within business and industry. Course content includes learning styles, theories, and processes with an emphasis on the practical application to corporate training needs. In small groups, students will assess a training need, design/develop a training activity, and then conduct an actual training session.

**BUS 3350 Christian Ethics Applied to Business (3)**

Pre-requisite(s): Junior standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of how business decisions and actions incorporate ethical issues. Individuals, organizations, economic/political systems and societies are influenced in significant ways by the ethical principles they use when shaping decisions about how to conduct business. The course examines, from a Christian perspective, the ethical foundations, responsibilities, and consequences of business practices in our society. Study includes the use of case studies illustrating the application of ethical theory in situations that students will likely encounter in their careers.

**BUS 4370 Biblical Research Applied to Business (3)**

Pre-requisite(s): Approval of instructor; not open to pre-business students

A search of the scriptures for presuppositions, principles, and propositional statements that have modern business applications. It is independent research with the exchange of Biblical discoveries and discerned applications to ethical and social problems faced in the business world.

**BUS 4380 Business Excellence and Scholarship Team (BEST) (3)**

Pre-requisite(s): Consent of the BEST faculty executive board; not open to pre-business students

BEST is a two-semester program designed to provide an innovative educational experience for selected students in the business school. During the fall semester, students enrolled in BUS 4380 will engage in various activities in close association with numerous Hankamer Business School faculty and community leaders. Proposed activities include an international trip, plant tours, self-assessments, career development exercises, and a weekend survival course. The second component of BEST involves enrollment in a special section of the business policy course (BUS 4385) during the spring.

**BUS 4385 Strategic Management (3)**

Pre-requisite(s): A grade of "C" or better must be earned in FIN 3309 or FIN 3310, BUS 3101 or ACC 3101, MKT 3305, MGT 3305 (or AS 3301 or MILS 3301), and MGT 3325 prior to enrolling in BUS 4385  
May not be taken for graduate credit. Only open to BBA students. Not open to Pre-business majors. An integrative capstone course in which materials and techniques are drawn from many disciplines. Areas examined in the course include strategy formulation, implementation, and control from the perspective of the manager. Specific themes throughout the course include interpretation of mission, goals and objectives; competitive analysis, matching the strategic direction of the firm to the organization structure; and the interface between strategy and employees. All topics are explored from both domestic and international firm perspectives.

**BUS 4V95 Energy Commerce Internship (1-6)**

Pre-requisite(s): BUS 2222, Upper-level standing, and consent of instructor

Supervised work within the energy industry corresponding with the student's major and career goals.

**BUS 4V98 Special Studies in Business (1-3)**

Pre-requisite(s): Consent of instructor and associate dean; not open to pre-business students

May be taken for one to three hours credit.

## Economics (ECO)

**ECO 1305 Issues in Economics for Non-Business Majors (3)**

Note: ECO 1305 does not count towards either an economics major or a business degree. This course provides an introduction to basic economic concepts, models, and tools used in economic analysis. In order to develop an appreciation for the value of economic analysis, applications are emphasized throughout the course. Students have the opportunity to apply the tools of economic analysis to a variety of issues including price controls, taxes, poverty, pollution, discrimination, competitive and monopolistic markets, economic growth, inflation and unemployment.

**ECO 1380 Introduction to Economic Analysis and Policy (3)**

Pre-requisite(s): Admission in the University Scholars Program, Baylor Business Fellows Program, Hankamer Scholars, or Honors Program; or consent of department

The nature and outcomes of economic decision-making at the individual, market, and aggregate levels. Rooted in traditional neoclassical economics and augmented with insights from the literature on transactions costs and institutions. Special attention is paid to questions of morality underlying economic decision-making.

**ECO 2306 Principles of Microeconomics (3)**

Pre-requisite(s): Cumulative GPA of 3.0 or higher  
Microeconomic analysis including the theories and applications of demand, production, industrial organization, international trade, and Christian ethics in economic decisions.

**ECO 2307 Principles of Macroeconomics (3)**

Pre-requisite(s): Cumulative GPA of 3.0 or higher  
A minimum grade of C in ECO 2306. A study of basic economic concepts, business organization, economic role of government, national income analysis, national income theory, money and banking, and the business cycle.

**ECO 3305 Money and Banking (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and 2307; and a minimum grade of C in MTH 1309 or MTH 1321

A study of the structure and functioning of American financial institutions; the functioning of financial markets and the nature of security prices and interest rates; the basic concepts of bank management; the nature of money and the role of the central bank in its creation; the basic structure of the economy and the impact of monetary actions on this structure; and the basic tenets of Monetarism and modern Keynesian monetary theory.



**ECO 3306 Intermediate Microeconomic Analysis (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and 2307; and a minimum grade of C in MTH 1309 or MTH 1321

Designed to provide an intensive study of contemporary microeconomic theory. Topics include consumer demand; market structure; production theory; the nature and behavior of costs; the pricing and allocation of productive resources; and the distribution of income. Emphasis is given to the use of these tools in business decision making.

**ECO 3307 Intermediate Macroeconomic Analysis (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and 2307; and a minimum grade of C in MTH 1309 or MTH 1321

Theories of long-term growth and short-term fluctuations in national economies, with emphasis on the macroeconomic implications of government policy. Topics include the national income accounting, long-run economic growth, unemployment, inflation, interest rates, exchange rates, international trade and investment, alternative theories of the business cycle, monetary policy, and fiscal policy.

**ECO 3308 Engineering Economic Analysis (3)**

Designed to provide an economic foundation for engineering decisions. The course stresses methods for making optimum choices among engineering alternatives. Topics include cash flow and present value analysis; break-even analysis; the impact of taxes and inflation on investment decisions; methods for assigning costs; the treatment of risk in decision making; and capital budgeting. (Will not count toward a major in economics.)

**ECO 3331 International Economics (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306 and ECO 2307; and junior standing  
International trade theories, trade policies and their effects, regional economic integration, international economic organizations, trade problems of less developed countries, determination of exchange rates, and functioning of the international monetary system. A student may not earn credit in both ECO 3331 and INB 3332.

**ECO 3355 Introduction to the Economics of Poverty and Discrimination (3)**

Cross-listed as SOC 3355

Pre-requisite(s): Upper-level standing; not open to pre-business or business students

This course develops and applies basic economic concepts to questions of poverty, inequality, and discrimination in the United States, and to global poverty issues. Special attention will be paid to the contribution economic principles can make to understanding family structure, participation in the labor force, and gender and racial discrimination. Attention will also be paid to evaluating public policies designed to ameliorate poverty and discrimination, including social insurance, welfare programs, minimum and living wage laws, and equal opportunity policies. No previous knowledge of economics is necessary; all necessary economic principles will be developed in this class. (Will not count toward a major in economics.)

**ECO 3390 Topics in Economics (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and 2307; and a minimum grade of C in MTH 1309 or MTH 1321

Topics in the study of economics not covered by regular course offerings. Course may be repeated once for credit when topics vary.

**ECO 4306 Welfare Economics (3)**

Pre-requisite(s): A minimum grade of C in ECO 3306

Economic efficiency and its implications for social organization, human flourishing, and policy. Defining, measuring, and finding the means of achieving optimal human wellbeing. Pareto efficiency and the conditions necessary for it based on the Fundamental Theorems of welfare economics, and its application to markets, private organizations, government, and policy choices.

**ECO 4312 Business Cycles and Forecasting (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and 2307; BBA students must be admitted to the Business School in order to take this course

Examines basic causes of fluctuation in business activity. Topics include an examination of exogenous and endogenous influences on Gross National Product and other measures of economic activity, and the relationship between cycles in Gross National Product and cycles in particular industries and companies. The course emphasizes methods and techniques currently in use by business forecasters.

**ECO 4314 Behavioral and Experimental Economics (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306; BBA students must be admitted to the Business School in order to take this course

Application of the scientific method to economics using laboratory experimentation to test economic theories about individual and group behavior. Introduction of insights to economic modeling from psychology and other social sciences. Emphasis on the frontiers of research through study of journal articles.

**ECO 4316 Economics of Firms, Industries, and Markets (3)**

Pre-requisite(s): ECO 3306; BBA students must be admitted to the Business School in order to take this course

Examines the economic organization of industry; a survey of major theoretical and applied issues in the field of industrial organization. Topics include theory of the firm, the welfare consequences of competition and market power, goals of the firm and market effects, collusion, mergers, price discrimination, product differentiation, predation, and public policy.

**ECO 4317 The Economics of Regulation (3)**

Pre-requisite(s): A minimum grade of C in ECO 3306

The impact of government on market outcomes and business decision-making. Topics covered include the historical development of business and public policy, the current state of antitrust enforcement; issues involving multinational corporations; the basis for regulated markets and forces favoring deregulation; the impact of consumer protection laws, environmental protection policies, occupational and safety enforcement; and affirmative action policies on business; and the outlook for government and business relations in the future.

**ECO 4318 Law and Economics (3)**

Pre-requisite(s): A minimum grade of C in ECO 3306

Interrelationship of microeconomic theory and the law. The course looks at both the effects of law on economic activity and the effects of economic forces on the development of the law. Particular areas of law that will be discussed include property, contracts, torts, and procedure.



**ECO 4319 Game Theory (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306; BBA students must be admitted to the Business School in order to take this course

An elementary examination of the theory of games and strategic behavior with an emphasis on applications. Topics discussed include strategic form games, extensive form games, and games of asymmetric and incomplete information. Various equilibrium concepts will be discussed. Applies game theoretic concepts to strategic behavior in the social sciences, particularly economics and political science, with applications ranging from cartel behavior to international diplomacy.

**ECO 4320 The Economics of Government (3)**

Pre-requisite(s): A minimum grade of C in ECO 3306 Sources of public revenues, problems of the revenue system, public expenditures and budgeting, and public borrowing

**ECO 4321 Energy Economics (3)**

Cross-listed as AVS 4321

Analysis of energy markets, with a focus on static and dynamic efficiency. Oil, natural gas, coal, nuclear, and renewables (including wind, solar, hydro, geothermal, and biofuels). Regulation and deregulation in electricity and natural gas markets. Energy derivatives. Policy issues related to market externalities, including pollution and climate change.

**ECO 4323 The Environment and Economic Analysis (3)**

Cross-listed as AVS 4323, ENV 4323

See ENV 4323 for course information.

**ECO 4325 Urban and Regional Economic Analysis (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and ECO 2307; junior standing; BBA students must be admitted to the Business School in order to take this course

Focuses on the use of economic tools to analyze the key intraregional markets-land and housing, transportation, labor and public services and examines their public policy implications. Also examines interregional relationships, the growth and decline of cities, and the economics of urbanization.

**ECO 4333 Foreign Exchange Markets (3)**

Cross-listed as INB 4333

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306 and 2307; junior standing; BBA students must be admitted to the Business School in order to take this course

Description and analysis of currency markets, emphasizing their roles in the business environment. Topics include spot forward, futures, and options markets, currency, and interest rate swaps, models of exchange rate determination, the operation and relative merits of fixed and flexible exchange rate systems, and the management of exchange rate risk by business.

**ECO 4334 Economic Development (3)**

Cross-listed as INB 4334

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306 and 2307; junior standing; BBA students must be admitted to the Business School in order to take this course

Critical analysis of current explanations of economic growth and development, involving historical aspects, policies for achieving development in emerging countries, and conditions necessary for continued growth in advanced countries.

**ECO 4335 Asian Economic Development (3)**

Cross-listed as AST 4335, INB 4335

Pre-requisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; junior standing; BBA students must be admitted to the Business School in order to take this course

A survey of the evolution of selected economies of Asia, with the aim of identifying in each case those conditions and policies which have aided or hindered economic progress.

**ECO 4336 Economics of Labor (3)**

Pre-requisite(s): ECO 3306; BBA students must be admitted to the Business School in order to take this course

Neoclassical approach to labor market analysis. Special attention is paid to the study of labor market phenomena from a microeconomic perspective, including the theory of wage rate determination, the concept of investment in human capital, the problems of race and sex discrimination, unemployment, and the impact of unionization on the structure of wages. Upon completion of this course a student will have a general working knowledge of the state of the art in labor market analysis and research.

**ECO 4338 Economic Systems of the World (3)**

Cross-listed as AST 4338, INB 4338

Pre-requisite(s): Junior standing; BBA students must be admitted to the Business School in order to take this course

An examination of the institutional structures and relative performance of representative capitalist and socialist economies of the world. Countries surveyed include the United States, Britain, France, Germany, Japan, the former Soviet Union, Hungary, China and Yugoslavia.

**ECO 4343 History of Economic Thought (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306 and 2307; junior standing; BBA students must be admitted to the Business School in order to take this course

Development of economic thought in relation to its economic and institutional background from the ancient philosophers to Alfred Marshall and neoclassical economists. Emphasis is placed on the contributions to economic thought of the founders.

**ECO 4345 Mathematical Analysis in Economics (3)**

Pre-requisite(s): A minimum grade of C in ECO 3306

Designed to acquaint the student with rudimentary mathematical techniques and their application to economic analysis.

**ECO 4347 Econometrics (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306 and 2307; a minimum grade of C in QBA 3305, STA 2381, or STA 3381; BBA students must be admitted to the Business School in order to take this course

Elementary and advanced topics in the application of statistical methods to economic inquiry. Multiple regression, forecasting, advanced estimation processes and simultaneous equation techniques are emphasized. The detection and treatment of problem areas are also examined.

**ECO 4349 Causal Inference and Research Design (3)**

Pre-requisite(s): A minimum grade of C or better in ECO 4347

Introduction to modern tools for determining the existence of causal relationships among variables. Emphasizes both the design of the research process and the use of advanced econometric techniques.

**ECO 4350 Economics of Health and Medical Care (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306; BBA students must be admitted to the Business School in order to take this course

Economic aspects of health and medical care: theory, empirical evidence, history, institutions, and public policy.

**ECO 4351 Data Science I (3)**

Pre-requisite(s): A minimum grade of B in ECO 4347

Best practices in data collection, cleaning, manipulation, and data and code management. Methods and principles of data exploration and visualization. Unsupervised statistical learning techniques, supervised statistical learning techniques, and false discovery principles.

**ECO 4352 Data Science II (3)**

Pre-requisite(s): A minimum grade of B in ECO 4347 and 4351

Assessing model accuracy, resampling methods, model selection, regularization, and dimension reduction. Machine learning techniques and their applications in economic research.

**ECO 4355 Economic Poverty and Discrimination (3)**

Cross-listed as SOC 4355

Pre-requisite(s): Minimum grade of C in ECO 2306; BBA students must be admitted to the Business School in order to take this course

Market and non-market issues in income determination. Emphasis on the supply and demand model and its application to the analysis of poverty and the poverty population. The effects of labor incomes and demographic and institutional factors of living standards, achievements, and shortcoming of income maintenance (welfare), equal opportunity and employment programs will be analyzed.

**ECO 4380 Economic Reasoning and Policy Analysis (3)**

Pre-requisite(s): ECO 3306, 3307, and 4347 recommended; BBA students must be admitted to the Business School in order to take this course

An integrative capstone course for economics majors in which the technique of economic analysis are applied to a wide range of issues. Emphasis on the application of basic and advanced economic theoretical and empirical techniques to the analysis of issues relevant to the student's undergraduate degree program and career goals. Basic concepts emphasized throughout the course includes the effect of incentives on behavior, the role of markets as resource allocation mechanisms, and the use of optimization analysis as a standard for comparing outcomes.

**ECO 4390 Advanced Topics in Economics (3)**

Pre-requisite(s): Minimum grade of C in ECO 3306

Advanced topics in the study of economics not covered by regular course offerings. Course may be repeated once for credit when topics vary.

**ECO 4V98 Special Studies in Economics (1-6)**

Pre-requisite(s): Not open to pre-business students

With the consent of the chair of the Department of Economics, this course may be taken for one to six semester hours of credit.

## Entrepreneurship (ENT)

**ENT 3301 Entrepreneurship: Living and Learning (3)**

Pre-requisite(s): Open to residents of the Entrepreneurship Living Learning Center or consent of department

Exploration of entrepreneurship as a career and the journey to become an entrepreneur. Topics include fundamentals of entrepreneurship and developing an entrepreneurial mindset. Experiential learning with creativity and imagination in solving entrepreneurial problems. Counts as Fine Arts credit for BBA students.

**ENT 3315 Starting and Managing a Business (3)**

Pre-requisite(s): Prerequisite(s): Upper-level standing; a minimum GPA of 2.75; not open to BBA students

An introductory course for students other than entrepreneurship majors. The course, which is designed around the business plan, examines how to formulate business ideas, select a location, select a legal form of organization, locate financing sources, assess the market, develop a human resource management system, and establish budgets for control.

**ENT 3320 Entrepreneurial Process (3)**

Pre-requisite(s): Only open to BBA students with upper-level standing; BBA students must be admitted to the Business School in order to take this course

An introductory course in entrepreneurship designed to explore the development of innovative thinking and venture exploration which would ultimately lead to a new venture. Topics covered include: Developing an innovative perspective as well as identifying and testing venture concepts. Topics are introduced through the use of creative exercises, team projects, concept identification journals, discussion of entrepreneurship cases, and a business venture startup game.

**ENT 3325 Skills and Behavior of the Entrepreneur (3)**

Pre-requisite(s): ENT 3320 or ENT 3315

Focuses on the individual and the skills and behaviors necessary to be a successful entrepreneur. Students will develop creative thinking skills that will enable them to recognize business opportunities. Other skills include team building, goal setting, leadership, and negotiation. Significant portions of the course are conducted through experiential exercises and simulations.

**ENT 3350 International Entrepreneurship (3)**

Cross-listed as ENT 4350, INB 3350

Pre-requisite(s): Sophomore standing and consent of instructor  
Examines entrepreneurship in other countries by focusing on the unique opportunities and problems associated with the particular country being studied. Comparisons are made between the host country and the United States. General issues related to doing business across national boundaries are included. This course is taught only outside the United States.

**ENT 3380 Global Perspectives on New Ventures (3)**

Pre-requisite(s): Either ENT 3315 or 3320

Entrepreneurship is increasingly global in nature, continuously creating new opportunities and competitors. Global Perspectives on New Ventures provides a deep understanding of these dynamics and helps students develop startup concepts that are more likely to succeed in the country-business context in which they may one day launch new international ventures.

**ENT 4310 New Venture Finance: The Entrepreneur's Perspective (3)**

Pre-requisite(s): ENT 3320 or consent of instructor; only open to BBA students

Successful entrepreneurs must effectively manage scarce resources in an increasingly complex and global world. This course is designed to provide students with a wide range of financial skills to more effectively manage their resources. Specific issues critical to emerging businesses such as financial forecasting, effective financial management, sources of financing, bootstrapping, and exit planning will be examined.

**ENT 4320 Managing the Family Business (3)**

Pre-requisite(s): Only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
Explores the unique personal and interpersonal issues, as well as the business issues, associated with the family-owned and managed firm. Topics evaluated in the course include the competitive strengths and weaknesses of a family firm; the dynamics of family interactions and the family business culture; conflict resolutions; estate planning; and planning for succession.

**ENT 4321 Accelerated Ventures: Launch (3)**

Pre-requisite(s): Upper-level standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Accelerated Ventures (AV) is a two-semester program designed to provide an innovative educational experience for students. During the first semester, students enrolled in ENT 4321 create real companies, raise funds, launch products and services, and generate sales. The second component of AV (ENT 4322) teaches students how to grow and sustain that company.

**ENT 4322 Accelerated Ventures Capstone (3)**

Pre-requisite(s): ENT 4310; only open to Entrepreneurship majors  
Accelerated Ventures Capstone (AVC) provides an integrative and innovative educational experience with emphasis on experiential learning. Focus is on start-up and new venture growth activities. Teaches students to use all functional areas of business to optimize options to expand firm revenue, finance firm growth and insure long-term sustainable value creation.

**ENT 4325 Entrepreneurial Leadership (3)**

Pre-requisite(s): ENT 3315; Upper-level standing; a minimum GPA of 2.75; not open to BBA students

This class is a practicum in which the student will prepare a written business plan for an actual venture, business or nonprofit, which he/she plans to implement in the future. It will be very helpful if the student enters the course with the idea for this venture. Typed drafts of the plan and oral presentations of various sections will be submitted and presented during the course. Individuals from the business and/or nonprofit sectors will be involved in providing constructive criticism throughout the process.

**ENT 4330 Corporate Entrepreneurship: Initiating and Sustaining Innovation (3)**

Pre-requisite(s): Upper-level standing; BBA students must be admitted to the Business School in order to take this course

The initial modules of the course explore the nature of innovation—its drivers, patterns and impacts on society and organizations of all sizes and missions. A core aim is delivering tools for recognizing breakthrough-level innovation opportunities and then practicing their use by inventing needed solutions. Subsequent modules focus on the use of these tools and processes in a larger organizational context where selecting the best innovation target is critical, and where stagnation and inertia tend to pull the firm away from the leading edge over time. The goals of the course include demonstrated skills needed for creating and implementing sustained, innovation-driven growth in corporate settings.

**ENT 4340 Technology Entrepreneurship (3)**

Cross-listed as MGT 4340

Pre-requisite(s): Upper-level standing; BBA students must be admitted to the Business School in order to take this course

Business based on patentable technologies display different business models and characteristics from those of non-technical, mainstream businesses. Understanding these distinctions is critical to technology commercialization. Technology Entrepreneurship examines the entire technology commercialization process, from concept to market. It is intended to provide students in business, engineering, and the sciences with the knowledge needed to participate effectively in the processes required for the successful introduction of new technology products in the marketplace.

**ENT 4351 Entrepreneurship in the European Union (3)**

Pre-requisite(s): Consent of instructor

A summer study abroad program that covers a broad range of topics that critically affect startup concerns of businesses in the European Union. Primary emphasis is placed on marketing concerns, economic analysis, and business plan preparation for business. Other issues to be investigated include identifying venture opportunities, concept development, market analysis, pricing, budgeting, legal forms of organization, management of the team, and business valuation and dilution. The students will apply this knowledge by preparing a business plan for a business venture – based on a well-defined concept of the product or service that could develop within their discipline – and by presenting their final plans to a panel of private equity holders, venture capitalist, bankers, and other entrepreneurship experts. The course is only offered as part of a Baylor study abroad program.

**ENT 4352 Technology Entrepreneurship in Asia (3)**

Pre-requisite(s): Consent of instructor

The Shanghai Summer Program includes this version of Technology Entrepreneurship wherein the hands-on projects undertaken for companies are within Chinese entities, and the cross-functional teams are also cross-cultural (American and Chinese). The course is structured around the key elements of commercializing technology as in ENT 4340, the technology entrepreneurship class offered on the Baylor campus. After learning the core elements, students explore the differences of how they are applied to the Asian (especially Chinese) context, and the in-class learning is coupled with the opportunity to visit companies in China that are practicing these same elements. This course is designed to prepare the student for technology-based innovation in the global context.

**ENT 4353 Social Entrepreneurship and Economic Development (3)**

Pre-requisite(s): ENT 3315 or 3320

Is capitalism good for the poor? This course examines the morality of capitalism, the role of institutions in perpetuating or eliminating absolute poverty, and the contextual challenges of entrepreneurship. Recognizing the socio-cultural, political, economic, and technological challenges of doing business in the third world, we use organizational theory to design for-profit ventures that use appropriate technologies to create sustainable solutions to social problems. Course projects are intended to produce organizations that will be partially owned and operated by the members of the communities that benefit from their goods and services.

**ENT 4354 Entrepreneurship in Latin America (3)**

Pre-requisite(s): Consent of the instructor

A study abroad course that helps students understand business in Latin America through first-hand experience. Students will study the social, cultural, historical, economic, and political issues that impact entrepreneurship and small businesses in the Latin American country visited and gain insights into the general environment in which they operate. They will learn from visits to a variety of business enterprises, cultural sites, and educational institutions, in addition to exploring geographic places of interest. Insights gained will allow enrolled students to grasp the dynamics of participation in the local economy and society of the specific country visited.

**ENT 4360 Franchising: Franchisee and Franchisor Perspectives (3)**

Pre-requisite(s): Upper-level standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course is designed to introduce the student to the business concept of franchising from the perspectives of both the franchisee and the franchisor. The student will learn to evaluate a franchising opportunity from the point of view of the franchisee by completing a feasibility study of a currently available franchise and the potential for franchising a business idea by completing a business plan. Managing the franchise will be covered as well.

**ENT 4370 Baylor Angel Network Practicum II (3)**

Pre-requisite(s): Instructor approval required

An advanced course designed to develop, integrate and immediately apply through experiential learning the processes of evaluating angel-stage opportunities. The heart of the course is focused on experiential learning activities provided in connection with real-world companies seeking capital from the Baylor Angel Network. Students evaluate firms while working in close collaboration with practicing angel investors.

**ENT 4380 Social Entrepreneurship: Microfinance and Economic Development in Africa (3)**

Pre-requisite(s): Consent of instructor

This course is a summer study abroad program. Students enrolled in the class will visit one of the following three African countries: Kenya, Rwanda, and Ghana. The content of the course examines the use of entrepreneurial skills to craft innovative responses to social problems in Africa. In particular, the ability of microlending practices to stimulate economic activity and alleviate poverty will be studied.

**ENT 4395 Entrepreneurship Internship (3)**

Pre-requisite(s): Consent of instructor; not open to pre-business students

Supervised work by a manager in a firm involved in entrepreneurship. Application and requirements for the entrepreneurship internship are available from the chair of the management and entrepreneurship department.

**ENT 4398 Special Studies in Entrepreneurship (3)**

Consent of instructor; not open to pre-business students.

**ENT 4V50 International Technology Entrepreneurship Summer Study Abroad (1-6)**

Pre-requisite(s): Consent of instructor

A study abroad course with emphasis on topics that affect technology-based companies and startup businesses. Concepts covered are identifying venture opportunities, concept development, market analysis, pricing, budgeting, prototype development, and business plan preparation for technology-based businesses. Also included are a formal presentation to a group of European venture capitalists and lectures by European business leaders. This is a cooperative program between the School of Engineering and Computer Science and the Hankamer School of Business.

**ENT 4V98 Special Studies In Ent (1-6)**

## Finance (FIN)

**FIN 3305 Principles of Risk Management and Insurance (3)**

Pre-requisite(s): A minimum grade of C in FIN 3309 or 3310 or concurrent enrollment; or consent of instructor

Only open to BBA students; BBA student must be admitted to the Business School in order to take this course. Techniques for managing pure risks in order to maximize the value of a firm. The course contrasts the risk preferences of corporations with that of individuals and explores the implications of differing preferences on insurance purchase decisions. The characteristics of as a tool in the process of managing both corporate and personal risk exposures are emphasized.

**FIN 3306 Principles of Real Estate (3)**

Pre-requisite(s): A minimum grade of C in FIN 3310 or concurrent enrollment; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An introduction to real estate principles and practices, including ethics, titles to and conveyance of real estate, legal descriptions and deeds, encumbrances, closing procedures, land economics, real estate finance, brokerage, marketing, appraising, real estate investment, and taxation.

**FIN 3309 Introduction to Finance (3)**

Pre-requisite(s): A minimum grade of C in ACC 2303, ACC 2304, ECO 2306 and ECO 2307; completion of MTH 1309 or 1321

Only open to BBA students. A study of the way money is managed by individuals and businesses. The course explores how financial markets operate, how individuals and corporate managers analyze investment opportunities and how they raise money to fund those investments. This course is designed as a survey of the application of financial analysis to a broad set of problems and is appropriate for undergraduate students from any major who meet the course prerequisites.

**FIN 3310 Introduction to Corporate Finance (3)**

Pre-requisite(s): A minimum grade of C in ACC 2303 and ECO 2306 or 1380; completion of MTH 1309 or 1321

Only open to BBA students. A study of long-term financial decision making by corporations with a focus on how firms raise cash, invest cash, and distribute cash back to investors. Specific topics include how cash flow, time, risk, information, market imperfections and potential conflicts of interest affect financial decisions. Excel modeling of financial decisions is integrated throughout the course.



**FIN 4186 Practicum in Small-Cap Investing II (1)**

Pre-requisite(s): A minimum grade of C in FIN 4285; only open to BBA students

This course gives students valuable hands-on experience researching, analyzing, and managing a portfolio of small-cap stocks. The level of security research and valuation analysis will mirror that experienced working in industry. Each student will be required to produce a stock research report and present their recommendations to the other analysts managing the investment fund.

**FIN 4285 Practicum in Small-Cap Investing I (2)**

Pre-requisite(s): Only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course gives students valuable hands-on experience researching, analyzing, and managing a portfolio of small capitalization (small-cap) stocks by managing the Hodges Fund. The level of security research and valuation analysis will mirror the experience working in the industry.

**FIN 4310 Entrepreneurial Finance (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Examines the intriguing process of financing the pursuit of opportunity and growth without regard to assets controlled currently. The major focus is on start-up or acquisition and the initial stages of growth. There is an emphasis on high growth firms, and the central objective is to gain an understanding of how entrepreneurs obtain and use financial resources. The course also examines how value is created.

**FIN 4311 Fundamentals of Life and Health Insurance (3)**

Pre-requisite(s): A minimum grade of C in either FIN 3309 or 3310, or consent of the instructor; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of the financial implications of death, disability and retirement, as well as the corresponding forms of individual life insurance, health insurance and annuities. Elementary life and health insurance programming, taxation, legal aspects, business uses of individual life and health insurance, regulation, and insurer operations and functions are covered.

**FIN 4315 Baylor Angel Network Practicum (3)**

Pre-requisite(s): Instructor approval; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

The Baylor Angel Network Practicum is to provide a unique learning opportunity for exceptional undergraduates, allowing the students to receive hands-on experience by working closely with private-equity investors and entrepreneurs seeking funding for seed or early-stage companies.

**FIN 4320 Fundamentals of Property and Liability Insurance (3)**

Pre-requisite(s): A minimum grade of C in either FIN 3309 or 3310, or consent of the instructor; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of the property-liability insurance industry, including the economic and financial issues inherent in property-liability insurance contracting. Topics may include commercial insurance contracts, automobile insurance costs and prices, tort reform effects on insurance markets, economics of distribution systems, corporate governance and organizational form, pricing models, solvency measurement, solvency regulation and market discipline, reinsurance and catastrophic risk, underwriting and risk selection, rate-making techniques, and underwriting cycles.

**FIN 4329 Real Estate Appraisal (3)**

Pre-requisite(s): FIN 3405 and a minimum grade of C in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

The valuation of real estate including the functions, purposes and techniques of appraising land and improvements. Additionally, an extensive review of the concepts of ownership interests, zoning, land use regulation and related topics that affect the value of real estate is included. Students will be instructed in the use of the three fundamental approaches to valuation: the sales comparison approach, the cost-less depreciation approach, and the income capitalization approach as well as capitalization techniques used in the profession. This course also examines the rule of market analysis in the valuation process.

**FIN 4331 International Business Finance (3)**

Cross-listed as INB 4331

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of international financial management, including multinational corporations (MNCs), international financial markets, international trade, foreign exchange rate, currency futures, forwards, options and swaps, currency exposures, and short- and long-term financing decisions of MNCs. With a focus on the enhancement of analytical skills based on the tools and theory of international finance, this course will promote critical thinking skills of the student.

**FIN 4332 Employee Benefit Planning (3)**

Pre-requisite(s): A minimum grade of C in either FIN 3309 or 3310, or consent of the instructor; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An examination of the rationale for, and basic details of, (1) employer provided group-life and group-health benefits, (2) private pension plans, and (3) government requirement required benefits, including social security, Medicare and Medicaid, disability income, and unemployment benefits. The approach focuses on the economic theory and historical developments of each of these areas.

**FIN 4335 Business Risk Management (3)**

Pre-requisite(s): A minimum grade of C in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course covers the new and emerging field of integrated, or enterprise risk management. Specifically, it examines the use of insurance as well as various financial instruments to control the costs of corporate risk. Emphasis is placed on the identification, evaluation, and management of corporate risks. Besides examining traditional hedging strategies, the course also considers techniques such as leveraging, post-loss financing, contingent financing, and diversification.

**FIN 4339 Real Estate Investments (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An analysis of real estate investments using ARGUS Financial Analysis, the real estate industry's leading computer software specifically designed for the analysis of income-producing properties. Additionally, an extensive review of legal issues related to ownership interests, mortgages, fair housing, and ADA requirements is included. Current issues as well as analytical methods are presented in a case study approach. Creative financing and income tax considerations are also included.



**FIN 4340 Real Estate Finance (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

The flow of real estate funds, including the origination process, the secondary market, and the securitization of mortgage pools. Excel software is used to analyze the cash flow and amortization characteristics of fixed-rate, variable-rate, and graduated-payment mortgages. Issues pertaining to tenure choice, expected mortgage life, and refinancing are also investigated.

**FIN 4350 Financial Modeling (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course is designed to provide proficiency in various analytical tools used by financial managers and analysts. Students will learn how to link financial theory to data to ultimately frame and answer questions, solve problems, and make informed financial decisions. This course bridges abstract ideas related to corporate strategy to concrete practices like firm valuation by learning to use relevant analytical tools.

**FIN 4360 Advanced Corporate Finance (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

The class applies the tools of financial analysis and financial theory to explore capital allocation and capital acquisition decisions of corporations. Students review and develop an understanding of the seminal theories that underpin the study and practice of finance.

**FIN 4361 Short-Term Financial Management (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310 or a minimum grade of B in FIN 3309 and registered for FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An advanced study of short-term financial management and financial statement analysis. Topics include cash management, credit and collections, payables management, bank relations, short-term investing and borrowing, and management of interest rate and foreign exchange risks. The class will provide partial preparation for students wishing to take the Certified Treasury Professional (CTP) exam.

**FIN 4363 Mergers and Acquisitions (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

The objective of this course is to examine mergers and acquisitions (M&A) through the lens of financial economics. Though there are a significant number of other disciplines involved in M&A (i.e., Accounting, Law, Economics, Management, etc.), we will focus primarily on the financial aspects of these transactions.

**FIN 4365 Investment Analysis (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Investment decision making with emphasis on stocks, bonds, and portfolio management. Major topics include portfolio theory and the measurement of risk, performance evaluation, the efficient markets hypothesis, valuation of securities, and portfolio composition in relation to investor objectives. Other topics may include the functioning of the securities markets, securities law and regulations, and an introduction to derivative securities.

**FIN 4366 Options, Futures, and Other Derivatives (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course covers derivative securities such as futures, forwards, swaps and options. Such securities are referred to as "derivatives" because their values depend upon the values of other assets. This course presents a conceptual framework for understanding how to price derivatives and design risk management strategies.

**FIN 4370 Financial Analysis and Banking (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An advanced study of financial statement analysis that includes the UCA Cash Flow Statement, fraud, window dressing and warning signs. Other topics include credit policy and loan characteristics; loan underwriting techniques that mitigate credit risk; evaluating commercial loan requests; pricing fixed-income securities; and managing interest rate risk as it relates to earnings sensitivity and economic value of equity.

**FIN 4381 Practicum in Portfolio Management (3)**

Pre-requisite(s): FIN 4365 or equivalent and consent of instructor; only open to BBA students

This practicum gives students valuable hands-on experience in securities research, valuation of risky assets, and asset allocation by managing the Philip M. Dorr and Alumni Endowed Investment Fund. Through readings and student-prepared research reports students develop skills in evaluating economic, industry, and firm data; integrating such data into securities analysis; and communicating their research results to others.

**FIN 4387 Seminar in Contemporary Financial Economics (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course provides students with the opportunity to explore current research topics in finance. Students attend the department's research seminars and discuss papers presented by external speakers. The course is primarily intended for students considering the pursuit of a doctoral degree in finance.

**FIN 4V97 Special Studies in Real Estate (1-6)**

Pre-requisite(s): FIN 3405 and consent of department chairperson; not open to pre-business students

With the consent of the chair of the Department of Finance, Insurance, and Real Estate, this course may be taken for one to six semester hours of credit with change of topic.

**FIN 4V98 Special Studies in Finance (1-6)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; not open to pre-business students

With the consent of the chair of the Department of Finance, Insurance, and Real Estate, this course may be taken for one to six semester hours of credit.

**FIN 4V99 Special Studies in Risk Management and Insurance (1-6)**

Pre-requisite(s): FIN 3305; not open to pre-business students

With the permission of the chair of the Department of Finance, Insurance, and Real Estate, this course may be taken for one to six semester hours of credit.

## International Business (INB)

### INB 3305 Global Business (3)

Pre-requisite(s): Junior standing

An introductory survey for all majors, exploring how companies and nations operate in the global economy. Topics include the cultural, legal, financial, logistical, and ethical challenges that companies encounter in the global market and the strategies designed to address those challenges. Current global developments and company practices are emphasized.

### INB 3332 Business in the Global Economy (3)

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and ECO 2307; junior standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An overview of the global economy, with an emphasis on how current developments affect international business. A brief history of foreign trade, basic international trade theory, instruments of trade policy and their economic effects, trade policies for developing nations, regional economic integration arrangements, balance of payments, and foreign exchange markets. A student may not earn credit in both ECO 3331 and INB 3332.

### INB 3333 Doing Business Across Cultures (3)

Pre-requisite(s): Junior standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A practical survey for all majors of how business practices vary across different cultures. Ways of doing business are compared and contrasted on a regional basis, including cultures in Europe, Asia, the Middle East, and Latin America. Case discussion is emphasized.

### INB 3350 International Entrepreneurship (3)

Cross-listed as ENT 3350

See ENT 3350 for course information.

### INB 4320 International Business Law (3)

Cross-listed as BL 4320

See BL 4320 for course information.

### INB 4325 International Marketing (3)

Cross-listed as MKT 4325

See MKT 4325 for course information.

### INB 4331 International Business Finance (3)

Cross-listed as FIN 4331

See FIN 4331 for course information.

### INB 4333 Foreign Exchange Markets (3)

Cross-listed as ECO 4333

See ECO 4333 for course information.

### INB 4334 Economic Development (3)

Cross-listed as ECO 4334

See ECO 4334 for course information.

### INB 4335 Asian Economic Development (3)

Cross-listed as AST 4335, ECO 4335

See ECO 4335 for course information.

### INB 4338 Economic Systems of the World (3)

Cross-listed as AST 4338, ECO 4338

See ECO 4338 for course information.

### INB 4340 Studies in the Caribbean Region (3)

Pre-requisite(s): Sophomore standing or above; BBA students must be admitted to the Business School in order to take this course

This course is conducted in the Dominican Republic as part of the Baylor in the Dominican Republic program, which allows undergraduate students to experience life in the Caribbean region first-hand. Students will study the social, cultural, historical, economic, and political issues that impact businesses in the Dominican Republic and the general environment in which they operate. Students will visit a variety of enterprises and consider the dynamics of participation in the economy and society of a Caribbean nation.

### INB 4345 Global Trade Compliance (3)

Cross-listed as BL 4345

See BL 4345 for course information.

### INB 4378 International Accounting (3)

Cross-listed as ACC 4378

See ACC 4378 for course information.

### INB 4398 Special Studies in International Business (3)

Pre-requisite(s): Consent of instructor; not open to pre-business students

Independent study under the direct supervision of an international business faculty member.

### INB 4V98 Special Studies in International Business (1-6)

Pre-requisite(s): Consent of instructor and Chair of International Business; not open to pre-business students

With the permission of the chair of International Business, this course may be taken for one to six hours of credit.

## Management (MGT)

### MGT 3301 Managing People in Organizations (3)

Pre-requisite(s): Junior standing

Cumulative GPA of 2.75 or higher. Not open to BBA students. This course is a cross-section of topics related to interacting with and managing people at work. It is designed to introduce non-business students to a survey of concepts related to people in the workplace. This course highlights fundamental concepts related to individual behavior, groups, and organizational processes.

### MGT 3305 Leadership & Organizational Behavior (3)

Pre-requisite(s): Junior standing; Only open to BBA students

This course provides an introduction to the managerial and leadership processes through a study of the organization as a social system. Emphasis is placed on presenting practical skills that will facilitate the student's transition to the workplace. Topics examined include management and leadership philosophy, ethical decision making, employee motivation, work attitudes, teamwork and group dynamics, managerial communication, and organizational culture and change.

### MGT 3320 Distribution Management (3)

Pre-requisite(s): MGT 3325 or concurrent enrollment; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course focuses on the distribution process from point of manufacturer to the point of use. Major topics include: evolution and trends in distribution, structure of durable and non-durable goods industries, types of distribution intermediaries, customers and market segmentation, function performed by distributors and their strategic allies, common financial terminology used in distribution, fundamental elements of distributor finance, alternative performance measures, application of technology to the distribution process, and the like.

**MGT 3325 Operations Management (3)**

Pre-requisite(s): A minimum grade of C in QBA 2302

Open only to BBA students. A survey of the most critical aspects of managing the operation of a business in order to efficiently produce and deliver goods and services to the customer. Topics include decision making, productivity management, inventory analysis, quality assurance, project management, supply chain management, enterprise resource planning, scheduling, and constraint management. This course emphasizes the latest management practices and utilizes computer simulations and other experiential exercises as learning tools. Students also participate in a hands-on project that requires them to apply the concepts learned in class to a real-world organization.

**MGT 3333 Procurement and Materials Management (3)**

Pre-requisite(s): MGT 3325 or concurrent enrollment; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course provides the student with the opportunity to analyze problems and issues encountered by managers as they consolidate buying power across the entire firm by aligning purchasing governance with corporate strategy, developing and communicating purchasing policies, streamlining tactical purchasing functions, and expanding the strategic responsibilities of purchasing. Mastery of the material presented in this course will enable the student to assist his or her firm in building, achieving, and sustaining purchasing organization.

**MGT 3335 Doing Business Across Cultures (3)**

Cross-listed as INB 3333

See INB 3333 for course information.

**MGT 3345 Introduction to Enterprise Systems Using SAP (3)**

Cross-listed as MIS 3345

Pre-requisite(s): A minimum grade of C in MGT 3325; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course utilizes SAP software to expose students to basic enterprise resource planning (ERP) concepts. Through this hands-on course, students will gain familiarity with the SAP interface and develop a better understanding of how ERP software integrates organizational data and key business processes to enhance organizational efficiency and decision-making, improve business intelligence, and enable cross-organizational linkages.

**MGT 4305 Principled Leadership (3)**

Pre-requisite(s): Junior standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This class is designed to challenge students to consider the principles they use or will use to lead others and contribute to positive change. Participants will discuss principles and examine role models that live out virtues that serve as the basis for servant leadership and ethical behavior.

**MGT 4320 Negotiating and Conflict Resolution (3)**

Pre-requisite(s): Only open to BBA students

Enhances individual effectiveness in the workplace through the provision of an advanced understanding of negotiating through the development of specific negotiating skills. Discussions and skill-building exercises in the class are focused broadly and include informal and formal negotiations between multiple departments, and so on. Because effective negotiating is fundamental to an individual's survival and prosperity within an organization, knowledge of negotiating concepts and development of negotiation skills are critical.

**MGT 4321 Campus Leadership Practicum (3)**

Pre-requisite(s): MGT 3302 or 3305

This course uses a transformational learning process to prepare current campus leaders for worldwide leadership and service. Course participants will increase self-awareness, enhance practical leadership skills, apply leadership practices to their campus organization, reflect on results, and receive professional leadership coaching. By the end of the course, participants will have evidence of change, improved leadership results, increased confidence to lead, and a stronger leadership network.

**MGT 4330 Project Management (3)**

Cross-listed as MIS 4330

Pre-requisite(s): MGT 3325; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
This course covers concepts and issues important in effective project management including project planning, budgeting, scheduling, auditing, project termination, and the role of the project manager. Methodologies for monitoring and controlling projects, risk analysis, and resource allocation are also presented. The student will learn how to apply Microsoft Project software to real life projects and learn how to manage projects effectively in both single and multi-project environments. This course is also designed to help the student prepare for certification as a Project Management Professional (PMP).

**MGT 4336 Human Resource Management (3)**

Pre-requisite(s): MGT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
A study of the human resource management profession. Specific functions to be studied include recruitment, selection, training and development, compensation, discipline, and equal opportunity laws and cases. Emphasis throughout is on the human resource manager's role in organizational effectiveness.

**MGT 4337 Human Resource Staffing and Employee Relations (3)**

Pre-requisite(s): MGT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
This course provides an overview of HR staffing systems from the acquisition of human resources through managing employee relations, with the aim of improving organizational effectiveness. Through hands-on activities and classroom discussions, students learn how to obtain and retain the right people in business. Topics such as labor market trends, job analysis, recruitment, interviewing, psychological testing, HR selection decision making, retention management, and labor relations are discussed. Major labor relations laws, grievance procedures, and labor-management cooperation are also covered.

**MGT 4338 Compensation Management (3)**

Pre-requisite(s): MGT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
A study of the total reward system. Topics examined include job content and context factors, job evaluation, wage surveys, wage and salary administration, incentives and non-cash benefits, and performance appraisals. Emphasis is on developing and maintaining an adequate and equitable compensation system for all employees.

**MGT 4340 Technology Entrepreneurship (3)**

Cross-listed as ENT 4340

See ENT 4340 for course information.

**MGT 4345 Global Supply Chain Management (3)**

Pre-requisite(s): MGT 3320, 3325, and 3333; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Focuses on the principles and techniques used by managers to plan, schedule, control and evaluate the supply chain management strategies of world-class organizations. Good supply chain management practices will lead to a competitive advantage, while poor practices will hurt firm performance. Methodologies for supply chain analysis are developed and applied to topics such as designing the supply chain network, planning demand and supply, planning and managing inventories, and coordination and technology in the supply chains. Special attention is given to understanding facilities, inventory, transportation, and information as key drivers of supply chain performance.

**MGT 4353 Social Entrepreneurship and Economic Development (3)**

Pre-requisite(s): Junior standing; not open to pre-business students  
Is capitalism good for the poor? This course examines the morality of capitalism, the role of institutions in perpetuating or eliminating absolute poverty, and the contextual challenges of entrepreneurship. Recognizing the socio-cultural, political, economic, and technological challenges of doing business in the third world, we use organizational theory to design for-profit ventures that use appropriate technologies to create sustainable solutions to social problems. Course projects are intended to produce organizations that will be partially owned and operated by the members of the communities that benefit from their goods and services.

**MGT 4355 Management Consulting (3)**

Pre-requisite(s): MGT 3325; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
This course is designed for individuals who are interested in business and management consulting. The course emphasizes the development of critical analysis skills that are useful in analyzing organizations and systems as well as resolving more personal problems and conflicts. Specific topics include cause/effect analysis, identifying root causes of problems, resolving critical conflicts, developing creative breakthrough solutions, and identifying and overcoming obstacles that prevent the implementation of solutions. Students apply the concepts learned in class to analyze actual organizations. Practicing management consultants are invited as guest speakers.

**MGT 4360 Managerial Field Experience (3)**

Pre-requisite(s): MGT 4336 and 4350; not open to pre-business students  
A practicum course that provides students with opportunities to apply concepts from previous management courses. Student teams work with managers to assist in routine management of a unit and/or to assist in solving specific managerial problems. Problems may be related to employee motivation, interdepartmental coordination, resistance to change, and so on.

**MGT 4395 Internship in Management (3)**

Pre-requisite(s): MGT 3305

The internship provides a framework for Management or Human Resource Management students to assess personal growth objectives, learn strengths and weaknesses in an organizational context, develop professional maturity, enhance their value proposition to employers, and evaluate and clarify career choices and directions. An application is required, and approved internships tend to be paid relevant to the student's MGT or HRM major.

**MGT 4396 Supply Chain Management Internship (3)**

Pre-requisite(s): MGT 3325

Supply Chain Management majors only. Not open to pre-business students. Internship in supply chain management; fulfilled in cooperation with a firm that provides the student opportunities to participate directly in activities such as distribution, purchasing and materials management, and supply chain management. An application is required, and approved internships tend to be paid and relevant to the student's SCM major.

**MGT 4398 Special Studies in Management (3)**

Pre-requisite(s): Consent of instructor and chair; not open to pre-business students

Independent study under the direct supervision of a management department faculty member.

## Management Information Systems (MIS)

**MIS 3150 Topics in Information Systems (1)**

Pre-requisite(s): A minimum grade of C in BUS 1305; or consent of instructor

A study of selected areas of information systems, including operating systems, personal and business application software, considerations in hardware and software, acquisition connectivity, multimedia, and other current issues. This course may be taken for a maximum of six semester hours if topic is different (or if each topic is different).

**MIS 3301 Introduction to Business Programming Logic (3)**

Pre-requisite(s): Credit or concurrent enrollment in MIS 3305, and a minimum grade of C in QBA 2302; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Study of object-oriented programming that focuses on developing business applications using a programming language like Visual Basic.Net. Topics include programming basics, typical programming structures, data structures, and error analysis.

**MIS 3305 Management Information Systems (3)**

Pre-requisite(s): A minimum grade of C in QBA 2302

Open only to BBA students. Examines the use of information and communication technologies (ICT) in organizational settings and gives a balanced perspective of MIS from the standpoint of the non-technical manager. Topics include acquisition, management, use and control of information systems and their impact on individuals, organizations and society. Emphasis is on the business manager's role in developing and managing information systems and the uses of ICT to create competitive advantage.

**MIS 3320 Systems Analysis and Design (3)**

Pre-requisite(s): Credit or concurrent enrollment in MIS 3301 and 3305; a minimum grade of C in QBA 2302; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of the Systems Development Life Cycle with focus on the planning, analysis, and design phases. Explores the various tools and techniques used by systems analysts for process and data modeling as well as user interface design.

**MIS 3332 Control and Audit of Information Systems (3)**

Cross-listed as ACC 3331

Pre-requisite(s): A minimum grade of C in ACC 2304

Emphasizes the control and audit of information systems. Topics include accounting systems, controls and transaction processing, and IT auditing. The course should help students develop an appreciation of and motivation for proper information processing practices and controls.



**MIS 3341 Developing Client Server Applications (3)**

Pre-requisite(s): Minimum grade of C or better in both MIS 3301 and 3320

The course utilizes high-level object-oriented development tools such as Visual Studio.NET to teach application development techniques for local client-server and web-based environments. Topics such as server-side scripting, web design, web page security, and database access will be undertaken to enable students to build robust business software applications.

**MIS 3345 Introduction to Enterprise Systems Using SAP (3)**

Cross-listed as MGT 3345

See MGT 3345 for course information.

**MIS 3350 Introduction to Data Management and CRM (3)**

Pre-requisite(s): Students should have taken BUS 1305 or have general proficiency in MS Office tools

Open to all business majors, this course is designed to provide students with hands-on data management skills that will facilitate the effective use of Customer Relationship Management (CRM) technology.

Key components of this course include information modeling and database creation, querying and analyzing organizational data, and the management and analysis of customer information using CRM technology.

**MIS 4319 Mobile Application Development (3)**

Pre-requisite(s): Upper-level standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Study of applications development in a cross-platform mobile computing environment

**MIS 4320 Java Development (3)**

Pre-requisite(s): Grades of C or better in MIS 3301 and 3320; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Introduction to client-side application development using the Java programming language. Topics include object-oriented design, essential language syntax, and developing user, file, and Internet interfaces for business systems to support e-commerce initiatives.

**MIS 4321 Business Systems Development (3)**

Pre-requisite(s): Grades of C or better in both MIS 3301 and 3320; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Concentrates on business application development using traditional object-oriented development tools. Topics include essential language syntax, class modeling, and developing user, file, and database interfaces for business systems.

**MIS 4322 Advanced Python (3)**

Pre-requisite(s): MIS 3301; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Study of advanced topics in the Python programming language. Focus is on data analytics and data science using large data sets in an advanced IDE environment. Code source control taught using Git and Github.

**MIS 4330 Project Management (3)**

Cross-listed as MGT 4330

See MGT 4330 for course information.

**MIS 4340 Foundations of Database System Development (3)**

Pre-requisite(s): Not open to pre-business students

BBA students must be admitted to the Business School in order to take this course. Concentrates on implementing systems and databases including physical database systems, data access, and database applications. Topics include: design issues; SQL; database administration; database integrity; security; selection; and implementation.

**MIS 4342 Fundamentals of Information Security (3)**

Pre-requisite(s): Grades of C or better in both MIS 3301 and 3320; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course provides students with a common body of knowledge in key information security knowledge domains. Topics include access controls; networks and telecommunications basics; cryptography; malicious attacks, threats, and vulnerabilities; monitoring and analysis; risk, response, and recovery; and security operations and administration. The course prepares entry-level professionals in both technical and non-technical disciplines with the key skills and concepts needed to contribute to the information security posture of their organization.

**MIS 4343 Advanced Database Management (3)**

Pre-requisite(s): MIS 4340; not open to pre-business students

This course covers advanced topics in database design and implementation, including the storage, access, and management of business information to facilitate decision-making. Topics may include application data access using PL/SQL, advanced topics in database systems such as XML and data warehouses, and database administration topics.

**MIS 4344 Business Intelligence (3)**

Pre-requisite(s): A minimum grade of C in QBA 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Business Intelligence (BI) is the discovery of patterns and relationships hidden in large volumes of data. This hands-on course is designed to provide practical analytic skills that may be applied in almost any workplace. The course explores the analytical techniques for making intelligent business decisions in data-rich organizations. A key component of the course is the use of BI software tools with techniques such as correlation analysis, data visualization, linear regression, classification, and clustering to address common problems in marketing, customer relationship management, risk management, finance, and operations.

**MIS 4346 Foundations of Data Warehousing (3)**

Pre-requisite(s): MIS 4340 or consent of instructor; only open to BBA students

This course covers techniques used to implement data structures that are optimized for organizational decision-making. A hands-on approach is used to cover the following data warehousing (DW) topics: basic concepts and architectures, DW modeling and physical design, ETL processes, and real-world DW uses such as OLAP queries and reporting tools and ad-hoc analysis of OLAP data.

**MIS 4350 Cyber Security Technology Factors (3)**

Pre-requisite(s): MIS 4342 or its equivalent; only open to BBA students

This course provides a roadmap of the paths available to organizations for deploying various security devices and tools. The course goes beyond the narrow technical view and offers a full context for the deployment of security technologies. Six key areas of network security will be covered, with each section covering a tool that will play a part in a company's overall information assurance program.



**MIS 4355 Decision Making Using Excel (3)**

Pre-requisite(s): MIS 3305 or consent of instructor

A computer applications course providing the tools necessary for manipulating, sharing, and presenting data to support business decision making. Topical coverage includes data analysis, multiple applications linking, simulation modeling, and decision making under uncertainty.

**MIS 4360 Fund of Data Visualization (3)**

Pre-requisite(s): QBA 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course. Covers basic theories of cognition and data visualization, including understanding how data types influence the decision to use a particular representation, when to use various chart types, how to structure data visualizations, and visualization evaluation. Emphasis on ethical use of visualizations.

**MIS 4395 Internship in Information Systems (3)**

Systems

**MIS 4V98 Special Studies in Information Systems (1-6)**

Pre-requisite(s): Consent of instructor; not open to pre-business students

This course may be taken for one to six semester hours of credit.

## Marketing (MKT)

**MKT 3301 Marketing Concepts (3)**

Pre-requisite(s): Junior standing

Cumulative GPA of 2.75 or higher. Not open to BBA students. This course is a foundational marketing course that features a decision-oriented overview of marketing in modern organizations. Students will be exposed to a broad introduction of marketing concepts, the role of marketing in society and in the firm, and the various factors that influence marketing decision making.

**MKT 3305 Principles of Marketing (3)**

Pre-requisite(s): Junior standing; Only open to BBA students

Designed to present a picture of the development and present status of our marketing system, to analyze the marketing task, and to examine the major policies that underlie the various activities of marketing institutions.

**MKT 3310 Professional Selling and Communications (3)**

Pre-requisite(s): Only open to BBA students

Not open to Pre-business majors. This course is organized around the ethical process of making informative and persuasive verbal presentations. Topics include presentation materials and formats, handling objections, reaching decisions, and servicing customers. The development of such skills is useful to any member of an organization who makes a presentation. Case study, videotaped role playing, professional speakers, and group interactions project the student into the real world of the business person and salesperson.

**MKT 3320 Advertising Procedures (3)**

Cross-listed as JOU 3320

Pre-requisite(s): MKT 3305

A survey of the entire field of advertising stressing knowledge of history, principles, objectives, and the psychological basis of advertising. Research techniques, media selection, campaigns, production methods, and space buying are treated in survey style.

**MKT 3325 Consumer Behavior (3)**

Co-requisite(s):

Pre-requisite(s): Only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An interdisciplinary approach to the analysis and interpretation of consumer buying habits and motives and the resultant purchases of goods and services. The purchaser's psychological, economic, and sociocultural actions and reactions are stressed as they relate to a better understanding of consumption.

**MKT 3330 Marketing Research (3)**

Pre-requisite(s): MKT 3305 and a minimum grade of C in QBA 2302; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Systematic gathering, recording, and analyzing of data about problems relating to the marketing of goods and services. Emphasis is placed on the process of conducting marketing research and the relevant issues at each stage in the process and the role that generated data plays in aiding management decision making. Designing research studies, constructing questionnaires, choosing samples, analyzing research results, preparing reports, and improving the student's overall problem solving skills are stressed.

**MKT 3340 Nonprofit Marketing (3)**

Pre-requisite(s): Only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Applies marketing concepts to objectives of nonprofit organizations. Special attention is paid to fund raising, promotion, and strategic planning in the arts, education, and social issues.

**MKT 3341 Values Based Leadership in Sports (3)**

Pre-requisite(s): Minimum grade of C in MKT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course is designed to investigate the myriad of issues and ethical dilemmas facing the sports and fitness industry. Individuals will be challenged to examine personal values as they relate to sport and its application in our society.

**MKT 4199 Professional Selling Internship (1)**

Pre-requisite(s): MKT 3310 and consent of instructor; only open to BBA students

Internship in Professional Selling fulfilled in cooperation with a corporate partner in the area of sales; with the sponsoring company the student participates in formal sales training and education and directed activities in sales, promotion, and customer relationship management.

**MKT 4310 Sales Force Management/Leadership (3)**

Pre-requisite(s): MKT 3305 and MKT 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course deals with an examination of the common problems confronting the sales manager. Topics include recruiting, selecting, motivating, leadership and supervision, performance evaluation and coaching. Emphasis is placed on the personal and ethical side of management throughout the course. Case study, videotaped role playing and professional speakers enhance the learning process.

**MKT 4311 Professional Selling and Communications II (3)**

Pre-requisite(s): MKT 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
This class focuses on an in-depth study of advanced selling and sales management issues including developing and maintaining long-term customer relationships, alternative strategies, international sales strategies, national account management, supply chain management, financial analysis and sales force ethics. Case study, videotaped role playing and professional speakers are used throughout the course.

**MKT 4315 Retail Store Management (3)**

Pre-requisite(s): MKT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
Considers architecture of the store, layout, buying, pricing, display, sales promotion, stock control, and consumer services in general.

**MKT 4320 Marketing Channels (3)**

Pre-requisite(s): MKT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
This course focuses on the definitions, dimensions, and management of marketing channels representing the various companies involved in bringing products and services from their point of origin to consumption. Representing the company's routes to market, marketing channels are viewed as an interorganizational system involved in the task of making products and services available for consumption. The main emphasis of this course is on the initial design of such systems, and the on-going management of relationships between system participants. The course is organized around three key modules: understanding the nature of marketing channels, managing channel relationships, and examining major types of channel institutions.

**MKT 4321 Advertising Campaigns (3)**

Pre-requisite(s): MKT 3320; not open to pre-business students  
A managerial approach to promotional campaign development with an emphasis on advertising strategy as a component of the total marketing mix. Students apply research techniques to target audience identification, media planning, and creative execution. A complete campaign will be designed for a specified client.

**MKT 4322 Multicultural Marketing in a Global World (3)**

Pre-requisite(s): MKT 3305; open only to BBA students: BBA students must be admitted to the Business School in order to take this course  
This course will delve into today's marketing profession and its role in a global economy when it comes to reaching diverse consumer segments. Learning experience will combine business cases, theory, historical context, policy implications, and management issues centering on how businesses can effectively reach multicultural markets.

**MKT 4324 European Business Seminar (3)**

Pre-requisite(s): MKT 3305; BBA students must be admitted to the Business School in order to take this course  
This seminar is conducted in Europe where students will participate in lecture/discussion sessions with executives of various multi-national and global corporations. Students will study the impact of the European Union and the European Common Currency (Euro) on world trade. Students will be exposed to marketing practices in several European countries and will gain insight into the cultural, social and political environments of each country visited.

**MKT 4325 International Marketing (3)**

Cross-listed as INB 4325

Pre-requisite(s): MKT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
A study of the international dimensions of American enterprise and the background of the international environment. Includes international trade concepts, cultural dynamics, business customs, multinational markets, development markets, and influence of political, legal, and geographic factors on international marketing.

**MKT 4330 Marketing Analysis and Decision Making (3)**

Pre-requisite(s): MKT 3305; either FIN 3309 or 3310; and nine hours of additional marketing courses; only open to BBA students  
Marketing Analysis is the capstone marketing course for marketing majors. The purpose of the course is to help the student develop his/her ability to use the knowledge and analytical skills gained in other marketing and business courses. Emphasis will be on analysis and decision making utilizing a variety of cases and business situations.

**MKT 4340 Strategic Brand Management (3)**

Pre-requisite(s): MKT 3325 and MKT 3330; only open to BBA students  
An advanced Marketing elective that addresses important branding decisions faced by an organization. The course provides the student with an increased understanding of the important issues in planning and evaluating branding strategies; the appropriate theories, models, and other tools to make better branding decisions; and a forum to apply these principles.

**MKT 4341 Professional Selling & Communications for Sports II (3)**

Pre-requisite(s): MKT 3310; only open to BBA students  
In-depth study of advanced selling and sales management issues pertaining to sports products and services. Includes developing/maintaining long-term customer relationships, account management, supply chain issues, financial analysis, and sales force ethics. Learning tools include case study, role playing, and interaction with executives in professional sports.

**MKT 4342 Sports Marketing Analytics (3)**

Pre-requisite(s): MKT 3325, MKT 3330 or consent of instructor of department chair  
Provides a framework for understanding and analyzing fan behavior to apply actionable customer insights to the marketing, promoting, and selling of sports tickets, partnerships, merchandise, and media. Students learn to use analytical tools to report, explain and predict fan behavior.

**MKT 4350 Digital Marketing (3)**

Pre-requisite(s): MKT 3330; only open to BBA students  
This course is designed to provide a well-rounded overview of digital marketing strategies. A major focus of the course will be in the practical application of tactics in support of basic business strategies as they apply to the online world of marketing, including search engine optimization, social media sites, content development, email and emerging technologies, among other digital based topics. Particular focus will be given to creation of content, management of campaigns, engagement with consumers, and measurements of success for digital marketers.

**MKT 4360 Customer Analytics (3)**

Pre-requisite(s): MKT 3330 or QBA 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course will enable students to: apply basic skills in data manipulation and visualization using various software packages, analyze customer data with the help of different statistical tools and techniques and use the findings from data analyses to make managerially relevant marketing decisions anchored in Customer Analytics.

**MKT 4395 Marketing Internship (3)**

Pre-requisite(s): Upper level standing; not open to pre-business students Marketing majors only. Internship in Marketing fulfilled in cooperation with an approved organization. With the sponsoring organization the student participates in formal training and education and directed activities in marketing, promotion, and customer relationship management.

**MKT 4396 Sports Marketing Internship I (3)**

Pre-requisite(s): Must be a major in Sports Sponsorship and Sales or consent of department chair  
Internship in sports marketing field; typically fulfilled in cooperation with the University's Athletic Department; student participates in directed activities pertinent to personal selling, promotion, direct response advertising, and customer relationship management.

**MKT 4397 Sports Marketing Internship II (3)**

Pre-requisite(s): Must be a major in sports sponsorship and sales or consent of department chair  
Internship in sports marketing field; fulfilled in cooperation with either a professional sports team or corporate sports sponsor; student participates in directed activities pertinent to personal selling, promotion, direct response advertising, and customer relationship management.

**MKT 4398 Directed Studies in Marketing (3)**

Pre-requisite(s): Consent of marketing adviser and department chair; marketing majors only; not open to pre-business students  
Independent study under the direct supervision of a marketing department faculty member. Applications must be submitted and approved prior to registration.

**MKT 4V98 Special Studies in Marketing (1-4)**

Pre-requisite(s): Consent of instructor; Only open to BBA students  
Independent study of Marketing to include conducting a literature review, focus groups, in-depth interviews, web-surveys, and developing a training program.

## Risk Management and Insurance (RMI)

## Accounting

Dr. C. Ford, Advisor

To earn a **major in Accounting**, a student must complete the courses below with at least a "C" average (excluding ACC 2303 Financial Accounting and ACC 2304 Managerial Accounting). To enroll in ACC 3301 Financial Accounting and Reporting I and ACC 3303 Accounting Information Systems, a student must attain a "B" average in ACC 2303 Financial Accounting and ACC 2304 Managerial Accounting. There are two career track options:

1. To qualify for professional certification as a Certified Public Accountant, a student must complete the six major requirement courses **and** should complete either the Master of Accountancy (M.Acc.) degree or the Master of Taxation (M.Tax.) degree. (See *Graduate Catalog* for details of graduate requirements.) A minimum of

thirty accounting hours is required, which excludes the six accounting hours in the lower business core.

2. To follow the four-year program, a student must complete the six major requirement courses listed below. Students who complete only the undergraduate degree are still eligible to complete additional education requirements to qualify to sit for the Certified Public Accountant Examination in Texas.

## Accounting Major

| Code                      | Title   | Hours     |
|---------------------------|---|-----------|
| <b>Major Requirements</b> |   |           |
| ACC 3301                  | Financial Accounting and Reporting I <sup>1</sup>         | 3         |
| ACC 3302                  | Financial Accounting and Reporting II <sup>2</sup>        | 3         |
| ACC 3303                  | Accounting Information Systems <sup>1</sup>               | 3         |
| ACC 3304                  | Introduction to Federal Taxation <sup>2</sup>             | 3         |
| ACC 4308                  | Advanced Managerial Accounting <sup>3</sup>               | 3         |
| ACC 4330                  | Auditing, Attestation and Assurance Services <sup>3</sup> | 3         |
| <b>Total Hours</b>        |   | <b>18</b> |

<sup>1</sup> ACC 3301 Financial Accounting and Reporting I and ACC 3303 Accounting Information Systems must be taken concurrently.

<sup>2</sup> ACC 3302 Financial Accounting and Reporting II and ACC 3304 Introduction to Federal Taxation must be taken concurrently

<sup>3</sup> ACC 4308 Advanced Managerial Accounting and ACC 4330 Auditing, Attestation and Assurance Services must be taken concurrently

**Note:** A student **majoring in Accounting** may elect to pursue either the 5-year integrated B.B.A./M.Tax. degree or 5-year integrated B.B.A./M.Acc. degree by completing 33 total graduate hours (including 6 additional Accounting graduate-level courses). Students typically apply to these programs during their senior year and must be accepted into these programs to participate. See Graduate Catalog for more information.

**Note:** A student **majoring in Accounting** will be permitted to repeat an upper-level accounting course only one time for credit. A student **majoring in Accounting** will be permitted to repeat only two upper-level accounting courses in order to continue in the **Accounting Major**.

**Note:** A student **majoring in Accounting** must earn a minimum grade of "C" in FIN 3310 Introduction to Corporate Finance.

**Note:** A student **majoring in Accounting** will complete ACC 3101 Accounting Career Management Seminar in place of BUS 3101 Career Management (Strategy & Success) for Undergraduate Students.

## Baylor Business Fellows

Drs. A. Seward, C. North, and S. Green and L. English, Advisors

A small percentage of the students admitted to Baylor University are drawn toward flexibility in course selection while seeking to excel both in and out of the Business School. The Baylor Business Fellows major is designed to meet the needs of these students while seeking to prepare them for graduate studies or for successful careers. The Baylor Business Fellows is a major within the Bachelor of Business Administration degree and meets the guidelines established by the Association to Advance Collegiate Schools of Business (AACSB) International.

Admission to the Program

Admission to Baylor Business Fellows major is competitive and is separate from and subsequent to admission to Baylor University. Although the major is designed to appeal to students with high SAT/ACT scores and class rank, or National Merit designees, admission is based on more than scores and grades. Consideration is given to genuine intellectual curiosity and a desire to excel in business studies as well as achieve a broad education in the humanities.

For new students after admission to the University, the applicant must apply in writing to the Director of the Baylor Business Fellows. The application includes two letters of recommendation from current or former teachers and an essay explaining how the applicant would benefit from the program. Applications are generally evaluated in February and notifications are sent out the first of March. Applications then are considered on a rolling basis from March through May 1. There are no freshman admissions between May 1 and the end of the fall semester.

The major is designed for incoming freshmen, although in special cases admission is open to transfer students with less than 36 Baylor credit hours after previous school credits have transferred, current Baylor students with at least five semesters remaining at time of application, and current students in good standing transferring from the University Scholars Program.

Maintaining Baylor Business Fellows Status

Each student’s progress is evaluated each semester to assure that he or she should continue with the major. Fellows are expected to maintain a grade point average above 3.5. If dismissed from the major, students must then fulfill the general requirements of the University as well as requirements for a major.

Course Requirements

The BBA degree is regulated by the Association to Advance Collegiate Schools of Business (AACSB) International which sets minimum standards that must be met even within the Baylor Business Fellows major. The standards currently require that a minimum of 25% of the academic program of study be in the Business School, including study in economics.

- Minimum hours in business as specified by AACSB, with maximum flexibility as to specific courses. The following areas may be covered in as few as 7 courses:
  - Ethical and legal responsibilities in organizations and society;
  - financial theories, analysis, reporting, and markets;
  - creation of value through the integrated production and distribution of goods, services, and information;
  - group and individual dynamics in organizations;
  - statistical data analysis and management science as they support decision-making processes throughout an organization;
  - information technologies as they influence the structure and processes of organizations and economies, and as they influence the roles and techniques of management;
  - and domestic and global economic environments of organizations.
- Fourth semester proficiency in approved foreign language or STEM subject area
- 3-6 hours, Capstone Experience or Thesis.

- Courses outside the business school that will cover ethics, communication skills, analytical skills, information technology, multicultural and diversity understanding, and reflective thinking skills.
- MTH 1321 Calculus I
- REL 1310 The Christian Scriptures and REL 1350 The Christian Heritage.
- Two semesters of Chapel.
- Completion of 124 hours, including 36 hours of “3000”-“4000” level credits.
- Completion of the requirements for advanced credit, residence, chapel, and maximum credit as they exist for the Bachelor of Business Administration degree. Additional information about requirements is listed under the “General University Regulations.” Committee approval is required for graduation.

Economics

Drs. J. Henderson and S. Klein, Faculty Mentors

To earn a **Major in Economics**, a student must earn a minimum grade of “C” in ECO 3306 Intermediate Microeconomic Analysis, and ECO 3305 Money and Banking or ECO 3307 Intermediate Macroeconomic Analysis. Students may select their upper-division elective courses from the many course offerings in the Economics Department. At least one upper-division course must be at the 4000 level. ECO 3308 Engineering Economic Analysis and ECO 3355 Introduction to the Economics of Poverty and Discrimination do not count toward the Economics major.

Economics Major

| Code   | Title   | Hours     |
|--|---|-----------|
| <b>Major Requirements</b>  |   |           |
| ECO 3306   | Intermediate Microeconomic Analysis             | 3         |
| ECO 3305   | Money and Banking                               | 3         |
|  | or ECO 3307 Intermediate Macroeconomic Analysis |           |
| Nine additional hours of Economics upper-level courses, including at least three hours at the 4000-level |   | 9         |
| <b>Total Hours</b>   |   | <b>15</b> |

Note: Students who plan to pursue a career in financial analysis should take at least six hours of accounting beyond ACC 2303 Financial Accounting and ACC 2304 Managerial Accounting.

Note: A student **majoring in Economics** may repeat ECO 3306 Intermediate Microeconomic Analysis and ECO 3305 Money and Banking or ECO 3307 Intermediate Macroeconomic Analysis only once in order to continue in the Economics major .

Note: A student **majoring in Economics** must earn a minimum grade of “C” in FIN 3310 Introduction to Corporate Finance.

Entrepreneurship and Corporate Innovation

Dr. L. Palich, Faculty Mentor



## Entrepreneurship and Corporate Innovation Major

| Code                                   | Title  | Hours     |
|--|--|-----------|
| <b>Major Requirements</b>              |  |           |
| ENT 3320                               | Entrepreneurial Process  | 3         |
| ENT 4310                               | New Venture Finance: The Entrepreneur's Perspective              | 3         |
| ENT 4322                               | Accelerated Ventures Capstone                                    | 3         |
| Select two courses from the following: |  | 6         |
| ENT 3325                               | Skills and Behavior of the Entrepreneur                          |           |
| ENT 3350                               | International Entrepreneurship                                   |           |
| ENT 3380                               | Global Perspectives on New Ventures                              |           |
| ENT 4320                               | Managing the Family Business                                     |           |
| ENT 4321                               | Accelerated Ventures: Launch                                     |           |
| ENT 4330                               | Corporate Entrepreneurship: Initiating and Sustaining Innovation |           |
| ENT 4340                               | Technology Entrepreneurship                                      |           |
| ENT 4351                               | Entrepreneurship in the European Union                           |           |
| ENT 4354                               | Entrepreneurship in Latin America                                |           |
| ENT 4353                               | Social Entrepreneurship and Economic Development                 |           |
| ENT 4360                               | Franchising: Franchisee and Franchisor Perspectives              |           |
| ENT 4395                               | Entrepreneurship Internship                                      |           |
| ENT 4398                               | Special Studies in Entrepreneurship                              |           |
| <b>Total Hours</b>                     |  | <b>15</b> |

## Finance

Dr. S. Rich, Faculty Mentor

To earn a **Major in Finance** a student must attain a minimum grade of "B-" as the first grade earned in FIN 3310 Introduction to Corporate Finance.

## Finance Major

| Code  | Title  | Hours |
|---|--|-------|
| <b>Major Requirements</b>                           |  |       |
| FIN 4365  | Investment Analysis                                      | 3     |
| ACC 3305  | Intermediate Accounting I <sup>1</sup>                   | 3     |
| Select at least one of the following:               |  | 3     |
| FIN 4335  | Business Risk Management                                 |       |
| FIN 4350  | Financial Modeling                                       |       |
| FIN 4360  | Advanced Corporate Finance                               |       |
| Select an additional nine hours from the following: |  | 9     |
| FIN 3305  | Principles of Risk Management and Insurance <sup>2</sup> |       |
| FIN 3306  | Principles of Real Estate <sup>2</sup>                   |       |
| FIN 4186  | Practicum in Small-Cap Investing II                      |       |
| FIN 4285  | Practicum in Small-Cap Investing I                       |       |
| FIN 4310  | Entrepreneurial Finance                                  |       |
| FIN 4315  | Baylor Angel Network Practicum                           |       |
| FIN 4331  | International Business Finance                           |       |
| FIN 4335  | Business Risk Management                                 |       |

|                    |   |           |
|--------------------|---|-----------|
| FIN 4339           | Real Estate Investments                     |           |
| FIN 4340           | Real Estate Finance                         |           |
| FIN 4350           | Financial Modeling                          |           |
| FIN 4360           | Advanced Corporate Finance                  |           |
| FIN 4361           | Short-Term Financial Management             |           |
| FIN 4363           | Mergers and Acquisitions                    |           |
| FIN 4366           | Options, Futures, and Other Derivatives     |           |
| FIN 4370           | Financial Analysis and Banking              |           |
| FIN 4381           | Practicum in Portfolio Management           |           |
| FIN 4387           | Seminar in Contemporary Financial Economics |           |
| FIN 4V98           | Special Studies in Finance                  |           |
| GTX 3351           | Great Texts in Business                     |           |
| <b>Total Hours</b> |   | <b>18</b> |

<sup>1</sup> Students completing a double **Major in Finance** and **Accounting** may waive ACC 3305 Intermediate Accounting I in the **Finance** major.

<sup>2</sup> Students may only take one 3000-level FIN course towards the Finance elective requirement.

**Note:** A student **majoring in Finance** may repeat an upper-level finance course only once, and will be permitted to repeat only two of the courses in the major in order to continue in the Finance major.

## Human Resource Management

Drs. S. Perry, K. Han and C. Wu, Faculty Mentors

To earn a **Major in Human Resource Management**, a student must attain a minimum grade of "B-" in MGT 3305 Leadership & Organizational Behavior.

## Human Resource Management Major

| Code                                   | Title  | Hours     |
|--|--|-----------|
| <b>Major Requirements</b>              |  |           |
| MGT 4320                               | Negotiating and Conflict Resolution                        | 3         |
| MGT 4336                               | Human Resource Management                                  | 3         |
| MGT 4337                               | Human Resource Staffing and Employee Relations (Fall only) | 3         |
| MGT 4338                               | Compensation Management (Spring only)                      | 3         |
| Select two courses from the following: |  | 6         |
| BL 4303                                | Employment Law (Spring only)                               |           |
| BUS 3345                               | Training and Development in Business and Industry          |           |
| MGT 4321                               | Campus Leadership Practicum (Fall only)                    |           |
| MGT 4395                               | Internship in Management                                   |           |
| FIN 4332                               | Employee Benefit Planning (Fall only)                      |           |
| <b>Total Hours</b>                     |  | <b>18</b> |

## International Business

Drs. J. Henderson and L. Paz, Faculty Mentors

To earn a **Major in International Business**, a student must complete INB 3305 Global Business, INB 3332 Business in the Global Economy, and three other INB courses; must complete one modern foreign language through the fourth level and must complete the



requirements for a second major in another field of business. A study-abroad experience is strongly recommended but is not required.

International Business Major

| Code                                     | Title                               | Hours |
|--|-------------------------------------|-------|
| Major Requirements                       |                                     |       |
| INB 3305                                 | Global Business                     | 3     |
| INB 3332                                 | Business in the Global Economy      | 3     |
| Select three courses from the following: |                                     | 9     |
| INB 3333                                 | Doing Business Across Cultures      |       |
| INB/ENT 3350                             | International Entrepreneurship      |       |
| ENT 3380                                 | Global Perspectives on New Ventures |       |
| INB 4320                                 | International Business Law          |       |
| INB/MKT 4325                             | International Marketing             |       |
| INB/FIN 4331                             | International Business Finance      |       |
| INB/ECO 4333                             | Foreign Exchange Markets            |       |
| INB/ECO 4334                             | Economic Development                |       |
| INB/AST/ECO 4338                         | Economic Systems of the World       |       |
| INB 4340                                 | Studies in the Caribbean Region     |       |
| INB 4345                                 | Global Trade Compliance             |       |
| Total Hours                              |                                     | 15    |

Management

Dr. M. Neubert and Ms. R. Woods, Faculty Mentors

Management Major

| Code                                  | Title                                    | Hours |
|---------------------------------------|--|-------|
| Major Requirements                    |  |       |
| MGT 4305                              | Principled Leadership                    | 3     |
| MGT 4320                              | Negotiating and Conflict Resolution      | 3     |
| Select two from:                      |  | 6     |
| MGT 4321                              | Campus Leadership Practicum              |       |
| MGT 4330                              | Project Management                       |       |
| MGT 4336                              | Human Resource Management                |       |
| MGT 4355                              | Management Consulting                    |       |
| Select one course from the following: |  | 3     |
| BUS 3350                              | Christian Ethics Applied to Business     |       |
| MGT 3335                              | Doing Business Across Cultures           |       |
| or INB 3333                           | Doing Business Across Cultures           |       |
| MGT 4395                              | Internship in Management                 |       |
| MIS 3320                              | Systems Analysis and Design <sup>1</sup> |       |
| Total Hours                           |  | 15    |

Consulting Emphasis

| Code  | Title                                    | Hours |
|---|--|-------|
| Students may enhance their marketability with an emphasis in Consulting, which consists of the following preferred electives: |  |       |
| MGT 4330  | Project Management                       |       |
| MGT 4355  | Management Consulting                    |       |
| MIS 3320  | Systems Analysis and Design <sup>1</sup> |       |

<sup>1</sup> MIS 3320 requires a prerequisite of MIS 3301, which may be waived for students taking this course to fulfill a Management major requirement.

Management Information Systems

Dr. J. Trower and Mr. B. Esserman, Faculty Mentors

Management Information Systems Major

| Code                                  | Title  | Hours |
|---------------------------------------|--|-------|
| Major Requirements                    |  |       |
| MIS 3301                              | Introduction to Business Programming Logic   | 3     |
| MIS 3320                              | Systems Analysis and Design                  | 3     |
| MIS 4340                              | Foundations of Database System Development   | 3     |
| MIS 4342                              | Fundamentals of Information Security         | 3     |
| Select one course from the following: |  | 3     |
| MIS 4320                              | Java Development                             |       |
| MIS 4321                              | Business Systems Development                 |       |
| MIS 4322                              | Advanced Python                              |       |
| Select one course from the following: |  | 3     |
| MIS 3345                              | Introduction to Enterprise Systems Using SAP |       |
| MIS 4319                              | Mobile Application Development               |       |
| MIS 4330                              | Project Management                           |       |
| MIS 4344                              | Business Intelligence                        |       |
| MIS 4346                              | Foundations of Data Warehousing              |       |
| MIS 4350                              | Cyber Security Technology Factors            |       |
| MIS 4360                              | Fund of Data Visualization                   |       |
| Total Hours                           |  | 18    |

**Note:** Students who double Major in Management Information Systems and Supply Chain Management may waive MIS 4330 Project Management or MIS 3345 Introduction to Enterprise Systems Using SAP in the Management Information Systems Major.

Marketing

Drs. C. Pullig and M. George, Faculty Mentors

To earn a **Major in Marketing**, a student must complete three required marketing courses (beyond MKT 3305 Principles of Marketing in the professional business core) and three elective marketing courses. In this major, students are able to complete an emphasis in Sports Strategy & Sales (S3) or tailor their own marketing emphasis by selecting any three marketing courses beyond the required courses of MKT 3325 Consumer Behavior, MKT 3330 Marketing Research and MKT 4330 Marketing Analysis and Decision Making.

Marketing Major

| Code               | Title                                  | Hours |
|--------------------|--|-------|
| Major Requirements |  |       |
| MKT 3325           | Consumer Behavior                      | 3     |
| MKT 3330           | Marketing Research                     | 3     |
| MKT 4330           | Marketing Analysis and Decision Making | 3     |

Any three courses from the following list or complete three courses from the Sports Strategy & Sales emphasis area:

|                    |   |           |
|--------------------|---|-----------|
| MKT 3310           | Professional Selling and Communications   | 9         |
| MKT 3320           | Advertising Procedures                    |           |
| MKT 3340           | Nonprofit Marketing                       |           |
| MKT 4310           | Sales Force Management/Leadership         |           |
| MKT 4315           | Retail Store Management                   |           |
| MKT 4320           | Marketing Channels                        |           |
| MKT 4321           | Advertising Campaigns                     |           |
| MKT 4322           | Multicultural Marketing in a Global World |           |
| MKT 4324           | European Business Seminar                 |           |
| MKT 4325           | International Marketing                   |           |
| MKT 4340           | Strategic Brand Management                |           |
| MKT 4342           | Sports Marketing Analytics                |           |
| MKT 4350           | Digital Marketing                         |           |
| MKT 4360           | Customer Analytics                        |           |
| MKT 4395           | Marketing Internship                      |           |
| MKT 4398           | Directed Studies in Marketing             |           |
| <b>Total Hours</b> |   | <b>18</b> |

## Sports Strategy & Sales (S3) Emphasis

| Code     | Title  | Hours |
|----------|--|-------|
| MKT 3310 | Professional Selling and Communications (S3 Sales)             | 3     |
| MKT 4341 | Professional Selling & Communications for Sports II (S3 Sales) | 3     |
| MKT 4342 | Sports Marketing Analytics (S3 Analytics)                      | 3     |
| MKT 4360 | Customer Analytics (S3 Analytics)                              | 3     |
| MKT 4396 | Sports Marketing Internship I                                  | 3     |
| MKT 4397 | Sports Marketing Internship II (S3 Analytics) <sup>1</sup>     | 3     |

<sup>1</sup> Summer Baylor Abroad Program

## Professional Selling

Dr. A. Dixon, Faculty Mentor

To earn a **Major in Professional Selling**, a student must complete the application and interview process ([www.baylor.edu/business/selling](http://www.baylor.edu/business/selling) (<http://www.baylor.edu/business/selling/>)). Additional information about the Professional Selling program can be found in the Professional Organizations section within the Hankamer School of Business catalog area.

## Professional Selling Major

| Code                      | Title  | Hours |
|---------------------------|--|-------|
| <b>Major Requirements</b> |  |       |
| MKT 3310                  | Professional Selling and Communications                  | 3     |
| MGT 4320                  | Negotiating and Conflict Resolution                      | 3     |
| MKT 4311                  | Professional Selling and Communications II (Spring only) | 3     |
| MKT 4320                  | Marketing Channels (Spring only)                         | 3     |
| MKT 4199                  | Professional Selling Internship (Fall only)              | 1     |

|                    |   |           |
|--------------------|---|-----------|
| MKT 4310           | Sales Force Management/Leadership (Fall only) | 3         |
| MKT 4330           | Marketing Analysis and Decision Making        | 3         |
| <b>Total Hours</b> |   | <b>19</b> |

## Risk Management and Insurance

Mr. P. Anderson, Drs. J. Garven and A. Seward, Faculty Mentors

## Risk Management and Insurance

| Code                                     | Title  | Hours     |
|--|--|-----------|
| <b>Major Requirements</b>                |  |           |
| FIN 3305                                 | Principles of Risk Management and Insurance                  | 3         |
| Select three courses from the following: |  | 9         |
| FIN 4320                                 | Fundamentals of Property and Liability Insurance (Fall only) |           |
| FIN 4335                                 | Business Risk Management <sup>1</sup>                        |           |
| FIN 4311                                 | Fundamentals of Life and Health Insurance (Spring only)      |           |
| FIN 4332                                 | Employee Benefit Planning (Fall only)                        |           |
| <b>Total Hours</b>                       |  | <b>12</b> |

<sup>1</sup> Students must take FIN 3310 Introduction to Corporate Finance if they plan to take FIN 4335 Business Risk Management.

## Supply Chain Management

Drs. B. McCormick, P. Reyes, and J. Strakos, Faculty Mentors

## Supply Chain Management Major

| Code                                   | Title  | Hours     |
|--|--|-----------|
| <b>Major Requirements</b>              |  |           |
| MGT 3320                               | Distribution Management                      | 3         |
| MGT 3333                               | Procurement and Materials Management         | 3         |
| MGT 4345                               | Global Supply Chain Management               | 3         |
| Select two courses from the following: |  | 6         |
| MGT/MIS 3345                           | Introduction to Enterprise Systems Using SAP |           |
| MGT 4330                               | Project Management                           |           |
| MGT 4396                               | Supply Chain Management Internship           |           |
| Select one additional course from:     |  | 3         |
| MGT/MIS 3345                           | Introduction to Enterprise Systems Using SAP |           |
| MGT 4330                               | Project Management                           |           |
| MGT 4396                               | Supply Chain Management Internship           |           |
| MGT 4320                               | Negotiating and Conflict Resolution          |           |
| MGT 4321                               | Campus Leadership Practicum                  |           |
| MGT 4355                               | Management Consulting                        |           |
| <b>Total Hours</b>                     |  | <b>18</b> |

## Minors

Non-business majors may choose minors in Business Administration, Economics, or Entrepreneurship. Non-business majors must have at

least sophomore-standing, with a minimum 12 Baylor hours, and a 2.75 cumulative Baylor GPA in order to enroll in minor courses for the Business Administration and Entrepreneurship minors. Students must maintain a 2.75 cumulative GPA to continue taking classes in these minors. Course availability during the fall and spring semesters may be limited. Most courses for the Business Administration minor, however, are offered during the summer.

- Business Administration Minor (p. 300)
- Economics Minor (p. 300)
- Entrepreneurship Minor (p. 300)

## Business Administration Minor

### Requirements for a Minor in Business Administration

| Code                    | Title  | Hours     |
|-------------------------|--|-----------|
| <b>Required Courses</b> |  |           |
| ECO 1305                | Issues in Economics for Non-Business Majors <sup>1</sup> | 3         |
| ACC 2301                | Survey of Accounting                                     | 3         |
| MGT 3301                | Managing People in Organizations                         | 3         |
| MKT 3301                | Marketing Concepts <sup>2</sup>                          | 3         |
| BUS 3302                | Personal Financial Decisions                             | 3         |
| ENT 3315                | Starting and Managing a Business                         | 3         |
| <b>Total Hours</b>      |  | <b>18</b> |

<sup>1</sup> ECO 2306 Principles of Microeconomics or ECO 2307 Principles of Macroeconomics may substitute for the ECO 1305 Issues in Economics for Non-Business Majors requirement.

<sup>2</sup> Students interested in pursuing a career in a Nonprofit Organization may substitute MKT 3340 Nonprofit Marketing for MKT 3301 Marketing Concepts

A minimum grade of “C” in all Business Administration minor classes is required to be awarded the Business Administration minor.

## Economics Minor

Drs. J. Henderson and S. Klein, Advisors

### Requirements for a Minor in Economics

| Code                              | Title                                     | Hours     |
|-----------------------------------|---|-----------|
| <b>Required Courses</b>           |   |           |
| ECO 2306                          | Principles of Microeconomics <sup>1</sup> | 3         |
| ECO 2307                          | Principles of Macroeconomics <sup>1</sup> | 3         |
| ECO 3306                          | Intermediate Microeconomic Analysis       | 3         |
| ECO 3305                          | Money and Banking                         | 3         |
| or ECO 3307                       | Intermediate Macroeconomic Analysis       |           |
| Any 4000-level Economics elective |   | 3         |
| An additional Economics elective  |   | 3         |
| <b>Total Hours</b>                |   | <b>18</b> |

<sup>1</sup> ECO 2306 Principles of Microeconomics and ECO 2307 Principles of Macroeconomics require a cumulative 3.0 GPA.

- MTH 1321 Calculus I should be taken to satisfy the math degree requirement.
- ECO 1305 Issues in Economics for Non-Business Majors, ECO 3308 Engineering Economic Analysis, and ECO 3355 Introduction to the Economics of Poverty and Discrimination do not count towards the Economics minor.

## Entrepreneurship Minor

Dr. L. Palich, Advisor

### Requirements for a Minor in Entrepreneurship

| Code   | Title  | Hours     |
|--|--|-----------|
| <b>Required Courses</b>                                |  |           |
| ENT 3315   | Starting and Managing a Business                                 | 3         |
| ENT 3380   | Global Perspectives on New Ventures                              | 3         |
| ENT 4325   | Entrepreneurial Leadership                                       | 3         |
| MKT 3301   | Marketing Concepts   | 3         |
| or MKT 3310  | Professional Selling and Communications                          |           |
| Select one Entrepreneurship course from the following: |  | 3         |
| ENT 3301   | Entrepreneurship: Living and Learning                            |           |
| ENT 3325   | Skills and Behavior of the Entrepreneur                          |           |
| ENT 3350   | International Entrepreneurship                                   |           |
| ENT 4320   | Managing the Family Business                                     |           |
| ENT 4321   | Accelerated Ventures: Launch                                     |           |
| ENT 4330   | Corporate Entrepreneurship: Initiating and Sustaining Innovation |           |
| ENT 4340   | Technology Entrepreneurship                                      |           |
| ENT 4351   | Entrepreneurship in the European Union                           |           |
| ENT 4353   | Social Entrepreneurship and Economic Development                 |           |
| ENT 4354   | Entrepreneurship in Latin America                                |           |
| ENT 4360   | Franchising: Franchisee and Franchisor Perspectives              |           |
| Select one Business course from the following:         |  | 3         |
| ACC 2301   | Survey of Accounting   |           |
| BUS 3302   | Personal Financial Decisions                                     |           |
| MGT 3301   | Managing People in Organizations                                 |           |
| <b>Total Hours</b>                                     |  | <b>18</b> |

## Certificates

- Business Analytics Certificate (p. 300)
- Energy Commerce Certificate (p. 301)

## Business Analytics Certificate

Mr. Jeremy McElroy, Advisor

The goal of the Certificate Program in Business Analytics is to provide Hankamer School of Business students exposure to concepts and techniques critical to success in the area of business analytics. The purpose of the Certificate in Business Analytics will be to make students in all business majors more attractive in the marketplace by providing

the skills necessary to understand and interpret big data and business analytics.

## Admission

Admission is competitive and students apply for admission to the program after they have been admitted to the Business School and have completed QBA 3305 Introduction to Business Analytics with a minimum grade of "B". Admission is based on a holistic review of a candidate's record. If admitted, students will begin taking courses for the certificate during their junior year.

Other requirements that must be met to complete the certificate:

- All students in the program must also complete one or more of the regular BBA majors.
- Note: Students pursuing this certificate are encouraged to take MTH 1321 Calculus I in place of MTH 1309 Calculus for Business Students.
- An overall 3.0 GPA must be earned in the courses utilized for this certificate with a minimum grade of "C" required in each course.

| Code                               | Title                                       | Hours     |
|------------------------------------|---|-----------|
| <b>Required Courses</b>            |   |           |
| MIS 4340                           | Foundations of Database System Development  | 3         |
| MIS 4344                           | Business Intelligence                       | 3         |
| MIS 4360                           | Fund of Data Visualization                  | 3         |
| Select any two from the following: |   | 6         |
| ECO 4347                           | Econometrics                                |           |
| MIS 4322                           | Advanced Python                             |           |
| MIS 4346                           | Foundations of Data Warehousing (Fall only) |           |
| MIS 4395                           | Internship in Information Systems           |           |
| MKT 4342                           | Sports Marketing Analytics                  |           |
| MKT 4360                           | Customer Analytics                          |           |
| ECO 4351                           | Data Science I                              |           |
| ECO 4352                           | Data Science II                             |           |
| <b>Total Hours</b>                 |   | <b>15</b> |

## Energy Commerce Certificate

Dr. Steven L. Green, Advisor

The goal of the Certificate Program in Energy Commerce is to provide Hankamer School of Business students enhanced preparation for careers in the energy industry. All students in the program must also complete one or more of the regular business majors. A student with potential interest in the program should contact Dr. Green for advising as early as possible in his or her Baylor career.

## Admission

Admission to the Certificate Program in Energy Commerce is competitive. Students apply for admission to the program after they have completed BUS 1201 Introduction to Business (or ECO 1380 Introduction to Economic Analysis and Policy) and GEO 1306 The Earth Through Time/GEO 1106 The Earth Through Time, Laboratory with a minimum grade of "B" and a minimum 3.0 GPA. Admission is based on a holistic review of a candidate's record.

Other requirements that must be met to complete the certificate:

- Admission to the Hankamer School of Business
- A minimum grade of "B" in BUS 2222 Introduction to Energy Commerce
- A minimum grade of "C" in GEO 4361 Petroleum Geoscience Concepts
- A minimum cumulative GPA of 3.0

| Code                    | Title   | Hours     |
|-------------------------|---|-----------|
| <b>Required Courses</b> |   |           |
| GEO 1306 & GEO 1106     | The Earth Through Time and The Earth Through Time, Laboratory | 4         |
| GEO 1405                | The Dynamic Earth <sup>1</sup>                                | 4         |
| BUS 2222                | Introduction to Energy Commerce <sup>2</sup>                  | 2         |
| GEO 4361                | Petroleum Geoscience Concepts <sup>3</sup>                    | 3         |
| ECO 4321                | Energy Economics  | 3         |
| ACC 4310                | Energy Accounting and Law                                     | 3         |
| BUS 4V95                | Energy Commerce Internship                                    | 1         |
| <b>Total Hours</b>      |   | <b>20</b> |

<sup>1</sup> Students may also complete GEO 1403 Environmental Geology in place of GEO 1405 The Dynamic Earth, but GEO 1405 The Dynamic Earth is preferred.

<sup>2</sup> A student must earn a minimum grade of "B" in BUS 1201 Introduction to Business or ECO 1380 Introduction to Economic Analysis and Policy to enroll in BUS 2222 Introduction to Energy Commerce.

<sup>3</sup> A student must earn a minimum grade of "B" in GEO 1306 The Earth Through Time/GEO 1106 The Earth Through Time, Laboratory and either GEO 1403 Environmental Geology or GEO 1405 The Dynamic Earth, with GEO 1405 The Dynamic Earth preferred. Enrollment in GEO 4361 Petroleum Geoscience Concepts is limited and will be subject to instructor permission.

## Graduate Study in Business

### Graduate Study in Business

See the Baylor University Graduate School Catalog for description of degree programs and admissions requirements.

### Full-time Programs

- Master of Business Administration (MBA)
- Master of Science in Information Systems (MSIS)
- Master of Accountancy (MAcc)
- Master of Taxation (MTax)
- Master of Science in Economics (MSEco)

### MBA Specializations

- Entrepreneurship  
Open to all full-time MBA applicants
- Health Care Administration  
Open to all full-time MBA applicants

### Online MBA

- Online MBA  
Open to working professionals

## Executive Programs

- Executive MBA in Dallas

## Doctoral Programs

- Entrepreneurship
- Health Services
- Information Systems

## Joint Degree Programs

- MBA/Master of Divinity (MBA/MDiv)
- MBA/Juris Doctor (MBA/JD)
- MBA/Master of Engineering (MBA/ME)
- MBA/Master of Information Systems (MBA/MSIS)
- MBA/Master of Social Work (MBA/MSW)
- Army-Baylor Graduate Program in Health and Business Administration

# School of Education

## General Information

### Mission Statement

The mission of the Baylor University School of Education is to prepare, within a Christian environment, individuals who improve society through leadership, teaching, research, and service within their professions and communities.

### Vision

Our vision is that the Baylor University School of Education will be nationally and internationally recognized for excellence and Christian influence through efforts to:

- *Provide leadership in a dynamic environment.*  
Prepared with knowledge and skills for success in a changing world, the Baylor University School of Education graduates are in positions of leadership and influence. School faculty members are recognized as leaders in their respective disciplines and professions.
- *Teach and prepare the best professionals.*  
In keeping with a respected tradition, the Baylor University School of Education faculty continues to educate students with the competence and commitment necessary for shaping lives. Through rigorous academic preparation, each graduate is uniquely equipped for a professional calling.
- *Foster the discovery and application of new knowledge.*  
Through basic and applied research, the Baylor University School of Education advances knowledge in our respective fields. We are committed to developing and testing theory, conducting research and scholarship, and providing practical answers for problems within our areas of study.
- *Develop a sense of calling to service.*  
In support of our Christian heritage, the Baylor University School of Education faculty and students are expected to have concern for diverse populations in a variety of settings. By placing a value on vocation, we inspire individuals to serve God and humanity through their work.

## Introduction

Baylor University is committed to educating students for lives of dedicated service and the advancement of society. In harmony with the

concept of service to humanity, the School of Education faculty believes in the personalization of education. Consequently, student advisement, counseling, and classroom strategies are guided by a genuine concern for the welfare of the individual student.

Among the purposes of Baylor University, none is considered more important than the education of Christian teachers, administrators, and other professional school personnel. While maintaining complete institutional integrity, it is the desire and the intention of the University to work closely with the state agencies and professional associations in the development and implementation of programs leading to educator certification.

To this end Baylor University has an established School of Education that works closely with departments across the university to provide the disciplinary and professional knowledge and skills necessary to effectively prepare for professional practice or further graduate study in fields represented in the School.

As a field of elective work for students in other academic units, the courses in professional education, offer both civic value and application-oriented study of many sciences.

Through the integration of faith and learning, Baylor education programs seek to direct the educational choices of its students toward preparation for career and community service and/or advanced study as educators.

The Baylor School of Education has the distinction of being accredited by the National Council for Accreditation of Teacher Education (NCATE).

## I. Services and Opportunities for Students

### Advising

All students in the School of Education are advised, in person, prior to registration each semester. Advisors present various degree options and help students adopt a plan for timely graduation. Advisors monitor students' progress toward completion of identified degree plans.

### Professional Development Schools (PDS)

The School of Education has created partnerships with schools in the Waco area for the purpose of providing extensive teaching experiences for teacher education candidates. These schools are designated as "Professional Development Schools" (PDSs) and "Partner Schools" and are part of a national initiative in teacher education toward greater university-school collaboration.

A PDS or Partner School integrates new teacher preparation, ongoing professional development of school/university faculty, school improvement, and research on teaching by focusing on the learning needs of students in the schools. Teacher candidates have opportunities for daily teaching experiences in a PDS or other partner school.

### Learning Resource Center (LRC)

The Learning Resource Center maintains a collection of curriculum materials used in public and private schools – textbooks, curriculum guides, reference works, standardized tests, and a variety of instructional media and computer programs. This center is used by students in developing and analyzing curriculum and instructional plans. The Learning Resource Center is directed by a learning resource specialist and is open days, evenings, and weekends for the convenience of students and faculty.

### Instructional Media Center

The Instructional Media Center maintains a collection of technology and equipment that can be used by students to create instructional materials or meet various technology-based curricular requirements. Support



staff is available. The media center also provides technology support for teacher education candidates working on international study.

### International Study

Opportunities for study abroad and mission experiences in many parts of the world are offered through the School of Education. Student teaching experiences are available in London, England, and Brisbane, Australia for those students who wish to extend their experiences to the foreign classroom. Summer opportunities are available in Costa Rica, and periodically in other world cities.

### Future Graduate Study Opportunities

Undergraduate students may want to continue graduate work in the School of Education. Graduate assistantships, which provide tuition assistance and/or a stipend, are available. Interested students should visit with the graduate program director in the desired area of study.

## II. Organizations

The School of Education sponsors honorary and professional organizations for the benefit of its students. Students benefit from the social and professional development associated with membership in a professional group. Honorary organizations provide opportunities to recognize scholastic achievement.

### Association of Texas Professional Educators

The Association of Texas Professional Educators (ATPE) is a professional organization in the School of Education. Membership in ATPE provides professional publications, liability insurance, and leadership training workshops.

### Kappa Delta Pi

Kappa Delta Pi is an honor society in education. Membership in the Baylor University chapter, Beta Xi, is open to junior and senior students who have completed twelve hours in education and maintained an overall grade point average of 3.5 or above. Graduate students in education are eligible for membership after completing twelve graduate hours and maintaining a grade point average of at least 3.75. The Beta Xi chapter conducts an initiation of new members each fall and spring semester.

## III. Title II Report

Section 207 (f) (2) in Title II of the Higher Education Act requires each institution to publish Title II information.

For the year 2019-2020, Baylor University School of Education enrolled 394 students in teacher education programs. There were 117 students enrolled in supervised student teaching/internships.

The pass rate for the 116 students who completed TExES testing was 98%.

### Texas Educator Certification Online System (ECOS)

For the year 2020-2021, the pass rate for the students who took official TExES PPR tests was 99% and for Non-PPR tests was 98% for Baylor University's School of Education.

## Procedures for Students Wanting to Pursue a Degree in Education

### Undergraduate Programs

### Teacher Education Programs

Specific programs are available at Baylor University for candidates wishing to pursue teacher certification. Students seeking any Bachelor of Science in Education degree should contact the Office of Student

Advising. All School of Education majors must be advised every semester in the Office of Student Advising.

## Applying for a Program Leading to Certification

**Admission to Baylor and declaring a major or minor in education does not enroll a student in a School of Education program leading to initial certification as a classroom teacher in the State of Texas.** Students who plan to earn a teaching certificate must meet minimum state of Texas and Baylor University standards and apply separately for admission to candidacy in the appropriate Baylor School of Education program. More information and required documents are available at <http://www1.baylor.edu/tca> (<http://www1.baylor.edu/tca/>). The application materials should be filled out and brought to the Office of Professional Practice (MMSCI 116) the semester prior to entering the junior level Teaching Associate (TA) experience. Acceptance and retention is contingent upon meeting all requirements for the program.

## Requirements for Retention in Teacher Education

1. Completion of TED 1312 Introduction to Teaching I by all candidates is required.
2. Grade point averages (calculation of grade point average is based on work attempted at Baylor University only) required to remain in all certification programs are as follows:
  - 2.75 Overall
  - 2.75 Academic Major
  - 2.75 TED courses
3. Grade point averages for retention in the School of Education and admission to Internship will include calculations of incomplete courses in appropriate areas. An incomplete will count as the equivalent of a failing course in grade point calculations until the final grade is available.
4. In order to enroll in the Teaching Associate field experience courses, a candidate must attain junior status (60 hours) and complete 12 semester hours in the candidate's teaching field. The State of Texas requires candidates seeking certification in 6-12 Physical Science, 7-12 Life Science, 4-8 and 7-12 Science, and 4-8 and 7-12 Mathematics must complete 15 semester hours in their teaching field prior to admittance.
5. In order to enroll in the Intern field experience courses, a candidate must successfully complete the Teaching Associate experience and complete 18 semester hours in the candidate's teaching field. In addition, a candidate must earn a 3.0 each semester in each Teaching Associate and/or Practicum courses.
6. Candidates who do not successfully complete the coursework and/or field experiences required for educator certification may be advised to substitute other coursework to complete a degree. In such cases the candidates will sign a form relinquishing the rights to seek certification through Baylor University.
7. Any TED course may be repeated only one time for students to continue in any School of Education major. Any student wanting to retake a TED class more than one time will need to appeal to the Dean's Office.

## Tests for Admission and Certification Texas Success Initiative (TSI)

Acceptable scores on the Texas Success Initiative or qualification by exemption is required before admission into a state approved teacher education program. The passing score on the reading must be 351 and

on mathematics parts must be 350 or higher and the writing part a score of 5 or 4 plus a minimum score of 363 on the multiple choice section.

### Exemption from the TSI Test

- Texas Assessment of Knowledge and Skills (TAKS):** For a period of five (5) years from the date of testing, a student who is tested and performs on the 11th grade exit-level Texas Assessment of Knowledge and Skills (TAKS) with a minimum scale score of 2200 on the math section and/or a minimum scale score of 2200 on the English Language Arts section with a writing subsection score of at least 3, shall be exempt from the assessment required under this title for those corresponding sections.
- State of Texas Assessments of Academic Readiness (STAAR)** End-of course (EOC): For a period of five (5) years from the date of testing, a student who is tested and performs with a minimum score of Level 2 on the English III shall be exempt from both reading and writing, and a minimum score of Level 2 on the Algebra II EOC shall be exempt from the mathematics section.
- Scholastic Assessment Test (SAT):** For a period of five (5) years from the date of testing, a student who is tested and scores a combined critical reading (formerly "verbal") and mathematics score of 1070 with a minimum of 500 on the verbal test and/or the mathematics test shall be exempt for those corresponding sections.
- American College Test (ACT):** For a period of five (5) years from the date of testing, a student who is tested and scores a composite score of 23, with a minimum of 19 on the English test and/or the mathematics test shall be exempt for those corresponding sections.

**Note:** To approve the exemption, Baylor University needs appropriate documentation:

- For SAT or ACT, Baylor University must receive official scores sent directly from the testing company. The correct college code must be entered on the test at the time of test registration.
- For TAKS, scores are printed on a label affixed to official high school transcripts. Transcripts must be sent to Baylor University.

### TOEFL Requirement

The TOEFL is required for out of country students that graduate from high schools where the language of instruction is not English. The candidates must take all three portions of the TOEFL and score a minimum of 26 on the speaking section (no overall score required).

### Degree Audit and Certificate Plan

A student who meets the requirements for a standard teacher's certificate must also meet the requirements for a bachelor's degree.

The student is responsible for notifying the Office of Academic Advising of any changes in program or content fields, so that these changes can be processed on the official degree audits and certificate plans.

### Graduation Semester Transfer Work

In keeping with University residence requirements and admission to candidacy, as noted in this catalog under Other Requirements for Graduation and the Academic Calendar, the following shall be strictly enforced by the School of Education: Only official transcripts received by the deadline set by the University and School of Education will be accepted for degree certification. The deadline set by the School of Education for receipt of the official transcript will be five working days before the commencement ceremony.

### Advisement Information for the School of Education

All students in the School of Education are advised, in person, prior to registration each semester. Advisors present various degree options and help students adopt a plan for timely graduation. Advisors monitor students' progress toward completion of identified degree plans.

Office of Student and Information Services  
Baylor University  
One Bear Place #97300  
Waco, TX 76798  
Phone: 254-710-6105/6114  
Fax: 254-710-3789

### School of Education Faculty

| Name                      | Title          |
|---------------------------|----------------|
| Shanna Hagen Burke, Ph.D. | Dean           |
| Terrill F. Saxon, Ph.D.   | Associate Dean |
| Grant Morgan, Ph.D.       | Associate Dean |
| Suzanne M. Nesmith, Ph.D. | Associate Dean |
| Joel R. Porter, Psy.D.    | Assistant Dean |

### Department of Educational Administration

William Sterrett, Ph.D., Chair  
Nathan F. Alleman, Ph.D.  
Bradley Carpenter, Ph.D.  
Herb Cox, Ed.D.  
Jon Eckert, Ed.D.  
Perry L. Glanzer, Ph.D.  
Marshal J. Magnusen, Ph.D.  
Leanne L. Newman, Ed.D.  
Jeffrey C. Petersen, Ph.D.  
Rishi R. Sriram, Ph.D.  
Angela Urick, Ed.D.  
John E. Wilson, Ph.D.

### Department of Curriculum and Instruction

Brooke Blevins, Ph.D., Chair  
Barbara Cassidy, Ed.D.  
Mona Choucair, Ph.D.  
Gae Connally, M.S.Ed.  
Sandi Cooper, Ph.D.  
Brenda Davis, Ph.D.  
Julia Earl, Ph.D.  
Marquita Foster, Ph.D.  
Leanne Howell, Ph.D.  
Kelly Johnson, Ed.D.  
Corina Kaul, Ph.D.  
Lupita Lang, Ph.D.  
Karon N. Le Compte, Ph.D.  
Kevin Magill, Ph.D.  
Madelon McCall, Ed.D.  
T. Philip Nichols, Ph.D.  
Suzanne M. Nesmith, Ph.D.  
Wes Null, Ph.D.  
Justina Ogodo, Ph.D.  
Sarah Pratt, Ph.D.  
Douglas Rogers, Ed.D.  
Rachelle D. Rogers, Ed.D.  
Laila Sanguras, Ph.D.

Lakia Scott, Ph.D.  
 Neil Shanks, Ph.D.  
 Ryann Shelton, Ph.D.  
 Amy Sloan, Ed.D.  
 Sandra Talbert, Ed.D.  
 Tony L. Talbert, Ed.D.  
 Trena L. Wilkerson, Ph.D.

## Department of Educational Psychology

Todd Kettler, Ph.D., Chair  
 Jessica Akers, Ph.D.  
 Janet H. Bagby, Ph.D.  
 Nicholas F. Benson, Ph.D.  
 Mack D. Burke, Ph.D.  
 Tonya N. Davis, Ph.D.  
 Stephanie Gerow, Ed.D.  
 Tamara Hodges, Ph.D.  
 Julie K. Ivey-Hatz, Ph.D.  
 Grant Morgan, Ph.D.  
 Kristen Padilla-Mainor, Ed.S.  
 Eric L. Robinson, Ph.D.  
 Tracy Sulak, Ph.D.  
 Jennifer Robins, Ph.D.  
 Sara Tomek, Ph.D.

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## Requirements for Texas Teacher Certification

Sandra Parnell, Certification Officer

## General Requirements for Texas Teaching Credentials

General requirements for Texas teaching credentials as well as requirements for certificate renewal may be accessed through the website: [http://tea.texas.gov/Texas\\_Educators/Certification/](http://tea.texas.gov/Texas_Educators/Certification/).

- A. Hold a bachelor's degree from and be recommended by an institution of higher learning approved for teacher education by the State Board for Educator Certification.
- B. Have completed an approved teacher educator preparation program.  
 Content area certifications available at Baylor University are:
  - a. Early Childhood – Grade 6 Core Subjects with Science of Teaching Reading (STR)
  - b. **Grades 4-8**  
 English Language Arts and Reading  
 Mathematics  
 Science  
 Social Studies
  - c. **Grades 6-12**  
 Business and Finance  
 Physical Science
  - d. **Grades 7-12**  
 English Language Arts and Reading  
 History  
 Life Science  
 Mathematics  
 Science  
 Social Studies
  - e. **Early Childhood - Grade 12 (All-level)**  
 Deaf and Hard of Hearing  
 Music  
 Physical Education  
 Special Education  
 Spanish
  - f. **Supplemental Certificates**  
 English as a Second Language  
 Gifted and Talented
- C. Receive satisfactory score(s) on TExES certification exams.

## Degrees and Requirements Undergraduate Programs

*Please refer to the outlines of degree requirements in this catalog.*

### Majors

#### Bachelor of Science in Education

- Elementary Education
- Elementary Education with Gifted & Talented
- Middle Grades English, Language Arts, Reading
- Middle Grades Mathematics
- Middle Grades Science
- Middle Grades Social Studies
- Secondary English, Language Arts, Reading
- Secondary Life Science
- Secondary Mathematics
- Secondary Physical Science
- Secondary Social Studies

- All Level Special Education
- All Level Spanish
- Integrated Studies

## Minors/Concentrations

- Educational Psychology Minor
- Leadership Studies Minor
- Secondary Education Concentration BA/BS Biology
- Secondary Education Concentration BA/BS History
- Secondary Education Concentration BA/BS Mathematics
- Secondary Science Education Concentration - Health Science Studies
- Secondary Education Concentration BS Physics
- Informal Education Minor

## Degree Requirements

### Bachelor's Degrees

Teacher certification programs are available through several undergraduate degree programs conferred by the different colleges and schools of the University. Requirements for teacher certification concerning the various programs listed below are available in the Office of Professional Practice.

- I. **Bachelor of Music Education (B.M.E.) Degree**  
The B.M.E. degree in all-level music is a teacher certification program. The full requirements for this B.M.E. degree program with teacher certification are listed in the School of Music section of this catalog.
- II. **Bachelor of Business Administration (B.B.A.) Degree**  
The B.B.A. degree offers teacher certification in Business and Finance. The full requirements for this B.B.A. degree program with teacher certification are listed in the School of Business section of this catalog.
- III. **Bachelor of Science in Education (B.S. in Education) Degree**  
The B.S. in Education degree is conferred by the School of Education. Both certification and non-certification programs are available with this degree.
- IV. **Bachelor of Arts or Bachelor of Science in Biology (B.A. or B.S.) Degree**  
The B.A. or B.S. in Biology with a Science Education concentration offers certification in General Science. The full requirements for this B.A. or B.S. program with teacher certification are listed in the College of Arts & Sciences section of this catalog.
- V. **Bachelor of Arts or Bachelor of Science in Math (B.A. or B.S.) Degree**  
The B.A. or B.S. in Math with an Education concentration offers certification in Secondary Math. The full requirements for this B.A. or B.S. program with teacher certification are listed in the College of Arts & Sciences section of this catalog.
- VI. **Bachelor of Arts (B.A.) Degree**  
The B.A. in History with an Education concentration offers certification in Secondary History. The full requirements for this B.A. program with teacher certification are listed in the College of Arts & Sciences section of this catalog.
- VII. **Bachelor of Science (B.S.) Degree**  
The B.S. in Physics with an Education concentration offers certification in Secondary Physics and Mathematics. The full requirements for this B.S. program with teacher certification are listed in the College of Arts & Sciences section of this catalog.

## Deaf and Hard of Hearing

In cooperation with the Department of Communication Sciences and Disorders in the Robbins College of Health and Humans Sciences the teacher certification for Deaf and Hard of Hearing (EC-12) is offered.

Please refer to the Robbins College of Health and Humans Sciences section of this catalog for details. (Sequence II-Deaf Education).

## General Studies Requirements for Certification Programs

The School of Education offers two routes to complete the general studies requirements for each certification program. They are as follow:

1. Traditional Core
2. Baylor Interdisciplinary Core (BIC)

If a student wishes to pursue the BIC core, after receiving acceptance to Baylor University, students may apply for the BIC program. An application may be printed from the website. The application and essay should be mailed to the address listed below, or you may complete an application, including the required essay, on-line.

Baylor Interdisciplinary Core  
One Bear Place #97350  
Waco, Texas 76798-7350  
Phone: 254-710-3981  
e-mail: BIC\_Admissions@baylor.edu  
website: [www.baylor.edu/bic/](http://www.baylor.edu/bic/) (<http://www.baylor.edu/bic/>)

Students can also choose to follow the more traditional non-BIC route to fulfill the basic studies requirements. This is especially designed for students entering with completed hours such as transfer students and freshman with considerable credit by examination.

**Note:** *The detailed certification programs that follow indicate the General Studies requirements for both the BIC and non-BIC Routes.*

## Elementary Teaching Certification, B.S. in Education

### Degree Requirements

124-127 sem. hrs.

| Requirement            | Hours           |
|------------------------|-----------------|
| Advanced Hours         | minimum 36 hrs. |
| Professional Education | minimum 36 hrs. |
| Academic Major         | minimum 36 hrs. |

## Residence Requirements

| Requirement          | Hours                                |
|----------------------|--------------------------------------|
| Degree Minimum       | 60 sem. hrs., including last 30 hrs. |
| Chapel—two semesters | no credit                            |

## Grade Point Average

- A. Grade points are earned on residence work at Baylor only.
- B. Minimum required for retention in major: 2.75 average in major and overall.

## General Studies (BIC)

| Code  | Title   | Hours        |
|---|---|--------------|
| <b>Required Courses</b>                                       |   |              |
| BIC 1112  | Examined Life   | 1            |
| BIC 1313  | World of Rhetoric I   | 3            |
| BIC 1314  | World Cultures I: Roots of Culture  | 3            |
| BIC 1323  | World of Rhetoric II: Rhetoric in Context                                 | 3            |
| BIC 1324  | World Cultures II: Religion and Culture                                   | 3            |
| BIC 2330  | Social World I: The City and the Soul                                     | 3            |
| BIC 2334  | World Cultures III: The Modern World                                      | 3            |
| BIC 2340  | Social World II: The Conditions and Possibilities of Human Fulfillment    | 3            |
| BIC 2344  | World Cultures IV: The United States in the World                         | 3            |
| BIC 2437  | The Natural World I: Primary Ideas in Science                             | 4            |
| BIC 2447  | The Natural World II: Global Science Issues                               | 4            |
| BIC 3358  | Examined Life II: Biblical Heritage and Contemporary Ethical Issues       | 3            |
| MTH 1315 & MTH 1316   | Patterns, Relationships, and Number Concepts and Geometry and Measurement | 6            |
| <i>Language</i>   |   |              |
| Second semester proficiency in a modern or classical language |   | 3-8          |
| <i>Chapel</i>   |   |              |
| Complete two semesters of Chapel                              |   | 0            |
| <b>Total Hours</b>  |   | <b>45-50</b> |

## General Studies (Non-BIC)

| Code  | Title  | Hours |
|---|--|-------|
| <b>Required Courses</b>   |  |       |
| ENG 1310 & ENG 2310   | Writing and Academic Inquiry Seminars and American Literary Cultures   | 6     |
| REL 1310 & REL 1350   | The Christian Scriptures and The Christian Heritage  | 6     |
| <i>Language</i>   |  |       |
| Second semester proficiency in a modern or classical language                   |  | 3-8   |
| <i>Mathematics</i>  |  |       |
| MTH 1315 & MTH 1316   | Patterns, Relationships, and Number Concepts and Geometry and Measurement  | 6     |
| <i>Laboratory Science</i>   |  |       |
| Select from BIO, CHE, ENV, GEO, PHY   |  | 7-8   |
| <i>Social Science</i>   |  |       |
| HIS 1300 & PSC 1387   | The United States in Global Perspective and The U.S. Constitution, Its Interpretation, and the American Political Experience | 6     |
| Select one of the following:  |  | 3     |
| Complete 3 hours from any A&S Contemporary Distribution list                    |  |       |
| TED 2380 & TED 2381   | Introduction to Education and American Educational Thought   |       |
| Select three hours from the A&S Fine Arts and Performing Arts Distribution list |  | 3     |

|   |              |
|---|--------------|
| <i>Lifetime Fitness</i>                 |              |
| Select two hours of any LF <sup>1</sup> | 2            |
| <i>Chapel</i>                           |              |
| Complete two semesters of Chapel        | 0            |
| <b>Total Hours</b>                      | <b>42-48</b> |

<sup>1</sup> May include PUBH 1145 Health and Human Behavior

## Professional Studies

| Code                    | Title                          | Hours     |
|-------------------------|--------------------------------|-----------|
| <b>Required Courses</b> |                                |           |
| TED 1312                | Introduction to Teaching I     | 3         |
| TED 3180                | Social Issues in Education Lab | 1         |
| TED 3380                | Social Issues in Education     | 3         |
| EDP 2336                | The Developing Child           | 3         |
| <b>Total Hours</b>      |                                | <b>10</b> |

## Academic Major

| Code                    | Title  | Hours     |
|-------------------------|--|-----------|
| <b>Required Courses</b> |  |           |
| TED 3301                | Early Literacy Learning                          | 3         |
| TED 3325                | Literacy Instruction in the Elementary School    | 3         |
| TED 4302                | Elementary Reading - Integrated Language Arts    | 3         |
| TED 4303                | Comprehension of Expository Texts                | 3         |
| TED 4307                | Science in the Elementary School                 | 3         |
| TED 4308                | Social Studies in the Elementary School          | 3         |
| TED 4312                | Methods of Teaching English as a Second Language | 3         |
| TED 4326                | Mathematics in the Elementary Grades             | 3         |
| MTH 3318                | Data and Chance                                  | 3         |
| <b>Total Hours</b>      |  | <b>27</b> |

## Teaching Associate

| Code                    | Title  | Hours     |
|-------------------------|--|-----------|
| <b>Required Courses</b> |  |           |
| TED 3620                | Teaching Associate Elementary School Part I  | 6         |
| TED 3621                | Teaching Associate Elementary School Part II | 6         |
| <b>Total Hours</b>      |  | <b>12</b> |

## Internship

| Code                    | Title                          | Hours     |
|-------------------------|--------------------------------|-----------|
| <b>Required Courses</b> |                                |           |
| TED 4620                | Internship Elementary Part I   | 6         |
| TED 4621                | Internship Elementary Part II  | 6         |
| TED 4622                | Internship Elementary Part III | 6         |
| TED 4623                | Internship Elementary Part IV  | 6         |
| <b>Total Hours</b>      |                                | <b>24</b> |



# Middle Grades Teacher Certification, B.S. in Education

## Degree Requirements

minimum 124 sem. hrs.

| Requirement            | Hours           |
|------------------------|-----------------|
| Advanced Hours         | minimum 36 hrs. |
| Professional Education | minimum 36 hrs. |
| Academic Major         | minimum 30 hrs. |

## Residence Requirement

Minimum

| Requirement          | Hours                           |
|----------------------|---------------------------------|
| Degree Minimum       | 60 hrs., including last 30 hrs. |
| Chapel—two semesters | no credit                       |

## Grade Point Average

Minimum

- Grade points are earned on residence work at Baylor only.
- Minimum required for retention in major: 2.75 average in major and overall.

## General Studies (BIC)

| Code  | Title   | Hours |
|---|---|-------|
| <b>Required Courses</b>                                       |   |       |
| BIC 1112  | Examined Life   | 1     |
| BIC 1314  | World Cultures I: Roots of Culture  | 3     |
| BIC 1324  | World Cultures II: Religion and Culture                                   | 3     |
| BIC 1313  | World of Rhetoric I   | 3     |
| BIC 1323  | World of Rhetoric II: Rhetoric in Context                                 | 3     |
| BIC 2330  | Social World I: The City and the Soul                                     | 3     |
| BIC 2334  | World Cultures III: The Modern World                                      | 3     |
| BIC 2340  | Social World II: The Conditions and Possibilities of Human Fulfillment    | 3     |
| BIC 2344  | World Cultures IV: The United States in the World                         | 3     |
| BIC 2437  | The Natural World I: Primary Ideas in Science                             | 4     |
| BIC 2447  | The Natural World II: Global Science Issues                               | 4     |
| BIC 3358  | Examined Life II: Biblical Heritage and Contemporary Ethical Issues       | 3     |
| MTH 1315 & MTH 1316   | Patterns, Relationships, and Number Concepts and Geometry and Measurement | 6     |
| <i>Language</i>   |   |       |
| Second semester proficiency in a modern or classical language |   | 3-8   |
| <i>Lifetime Fitness</i>                                       |   |       |
| Select two hours of any LF                                    |   | 2     |

*Chapel*

|                                  |              |
|----------------------------------|--------------|
| Complete two semesters of Chapel | 0            |
| <b>Total Hours</b>               | <b>47-52</b> |

## General Studies (Non-BIC)

| Code  | Title  | Hours        |
|---|--|--------------|
| <b>Required Courses</b>   |  |              |
| ENG 1310 & ENG 2310   | Writing and Academic Inquiry Seminars and American Literary Cultures   | 6            |
| REL 1310 & REL 1350   | The Christian Scriptures and The Christian Heritage  | 6            |
| <i>Language</i>   |  |              |
| Second semester proficiency in a modern or classical language                   |  | 3-8          |
| <i>Mathematics &amp; Science</i>  |  |              |
| MTH 1315 & STA 1380   | Patterns, Relationships, and Number Concepts and Elementary Statistics   | 6            |
| <b>Math Major Requirement</b>   |  |              |
| MTH 1315 & MTH 1316   | Patterns, Relationships, and Number Concepts and Geometry and Measurement  |              |
| <b>Science Major Requirement</b>  |  |              |
| MTH 1320 & STA 1380   | Precalculus Mathematics and Elementary Statistics  |              |
| <i>Laboratory Science</i>   |  |              |
| Choose from BIO, CHE, ENV, GEO, PHY   |  | 8            |
| <i>Note: Science majors will complete courses required in major.</i>            |  |              |
| <i>Social Science</i>   |  |              |
| HIS 1300 & PSC 1387   | The United States in Global Perspective and The U.S. Constitution, Its Interpretation, and the American Political Experience | 6            |
| Select three hours from the A&S Fine Arts and Performing Arts Distribution list |  | 3            |
| <i>Lifetime Fitness</i>   |  |              |
| Select two hours of any LF <sup>1</sup>   |  | 2            |
| <i>Chapel</i>   |  |              |
| Complete two semesters of Chapel  |  | 0            |
| <b>Total Hours</b>  |  | <b>40-45</b> |

<sup>1</sup> May include PUBH 1145 Health and Human Behavior

## Professional Studies

| Code                    | Title                          | Hours     |
|-------------------------|--------------------------------|-----------|
| <b>Required Courses</b> |                                |           |
| TED 1312                | Introduction to Teaching I     | 3         |
| TED 3180                | Social Issues in Education Lab | 1         |
| EDP 2336                | The Developing Child           | 3         |
| TED 3380                | Social Issues in Education     | 3         |
| <b>Total Hours</b>      |                                | <b>10</b> |

## Academic Majors

| Code  | Title  | Hours |
|---|--|-------|
| <b>Required Courses</b>   |  |       |
| <i>English, Language Arts, and Reading</i>                                  |  |       |
| ENG 1310  | Writing and Academic Inquiry Seminars                              | 3     |
| ENG 2301  | British Literature   | 3     |
| ENG 2310  | American Literary Cultures   | 3     |
| ENG 2306  | World Literature   | 3     |
| ENG 2310  | American Literary Cultures   | 3     |
| ENG 3302  | Modern English Grammar   | 3     |
| or ENG 3310   | Introduction to Linguistics  | 3     |
| ENG 4324  | Shakespeare: Selected Plays  | 3     |
| LS 4320   | Young People's Literature  | 3     |
| or LS 4307  | Multicultural Literature   | 3     |
| TED 3335  | Literacy Instruction in the Middle Grades                          | 3     |
| TED 3346  | Foundations of Secondary Reading and Writing                       | 3     |
| TED 4322  | English Curriculum   | 3     |
| <i>Mathematics</i>  |  |       |
| MTH 1315  | Patterns, Relationships, and Number Concepts                       | 3     |
| MTH 1316  | Geometry and Measurement   | 3     |
| MTH 2316  | Algebra and Functions  | 3     |
| MTH 2317  | Functions and the Mathematics of Change                            | 3     |
| MTH 3318  | Data and Chance  | 3     |
| MTH 3351  | Proof and Reasoning in Mathematics for Middle School Math Teachers | 3     |
| MTH 3374  | Introduction to Mathematical Modeling                              | 3     |
| TED 3342  | School and Classroom Environment                                   | 3     |
| TED 4326  | Mathematics in the Elementary Grades                               | 3     |
| TED 4337  | Mathematics in the Middle School                                   | 3     |
| TED 4349  | Critical Issues in Mathematics Education                           | 3     |
| <i>Social Studies</i>   |  |       |
| HIS 1305  | World History to 1500 <sup>1</sup>                                 | 3     |
| HIS 1307  | World History since 1500 <sup>1</sup>                              | 3     |
| HIS 1365  | United States History to 1877                                      | 3     |
| HIS 2395  | History Workshop <sup>1</sup>                                      | 3     |
| HIS 3380  | History of Texas <sup>1</sup>                                      | 3     |
| PSC 1305  | American National Government                                       | 3     |
| ECO 1305  | Issues in Economics for Non-Business Majors                        | 3     |
| Complete 9 advanced hours (3000-4000) from ANT, ECO, GEOG, HIS, PSC, or SOC |  | 9     |
| TED 4341  | Social Studies Curriculum  | 3     |
| TED 3362  | Middle Grades Social Studies                                       | 3     |
| TED 4355  | Teaching Economic Geography in Social Studies                      | 3     |
| <i>Science</i>  |  |       |
| BIO 1305  | Modern Concepts of Bioscience                                      | 3     |
| BIO 1105  | Modern Concepts of Bioscience Laboratory                           | 1     |
| BIO 1306  | Modern Concepts of Bioscience, continued                           | 3     |
| BIO 1106  | Modern Concepts of Bioscience Laboratory                           | 1     |
| CHE 1301  | Basic Principles of Modern Chemistry I                             | 3     |

|                    |   |            |
|--------------------|---|------------|
| CHE 1302           | Basic Principles of Modern Chemistry II | 3          |
| CHE 1101           | General Chemistry Laboratory I          | 1          |
| CHE 1102           | General Chemistry Laboratory II         | 1          |
| GEO 1408           | Earth Science                           | 4          |
| PHY 1405           | Everyday Physics                        | 4          |
| PHY 1455           | Descriptive Astronomy                   | 4          |
| TED 4325           | Science Curriculum                      | 3          |
| TED 3336           | Middle Grades Science                   | 3          |
| <b>Total Hours</b> |   | <b>139</b> |

<sup>1</sup> World Cultures I, II, III, and IV in the BIC program will substitute for HIS 1305 World History to 1500, HIS 1307 World History since 1500, HIS 1365 United States History to 1877, HIS 1366 United States History since 1877, HIS 2395 History Workshop, HIS 3380 History of Texas.

## Teaching Associate

| Code                    | Title                                   | Hours    |
|-------------------------|---|----------|
| <b>Required Courses</b> |   |          |
| TED 3630                | Teaching Associate Middle Grades Part I | 6        |
| TED 3370                | Data Analysis and Instruction           | 3        |
| <b>Total Hours</b>      |   | <b>9</b> |

## Internship

| Code                    | Title                             | Hours     |
|-------------------------|-----------------------------------|-----------|
| <b>Required Courses</b> |                                   |           |
| TED 4630                | Internship Middle Grades Part I   | 6         |
| TED 4631                | Internship Middle Grades Part II  | 6         |
| TED 4632                | Internship Middle Grades Part III | 6         |
| TED 4633                | Internship Middle Grades Part IV  | 6         |
| <b>Total Hours</b>      |                                   | <b>24</b> |

## Secondary Teacher Certification, B.S. in Education

### Degree Requirements

minimum 124 sem. hrs.

| Requirement            | Hours           |
|------------------------|-----------------|
| Advanced Hours         | minimum 36 hrs. |
| Professional Education | minimum 36 hrs. |
| Academic Major         | minimum 36 hrs. |

## Residence Requirement

### Minimum

| Requirement          | Hours                           |
|----------------------|---------------------------------|
| Degree Minimum       | 60 hrs., including last 30 hrs. |
| Chapel—two semesters | no credit                       |

## Grade Point Average

- A. Grade points are earned on residence work at Baylor only.  
 B. Minimum required for retention in major: 2.75 average in major and overall.

## General Studies (BIC)

| Code  | Title  | Hours        |
|---|--|--------------|
| <b>Required Courses</b>                                       |  |              |
| BIC 1112  | Examined Life  | 1            |
| BIC 1313  | World of Rhetoric I  | 3            |
| BIC 1314  | World Cultures I: Roots of Culture                                     | 3            |
| BIC 1323  | World of Rhetoric II: Rhetoric in Context                              | 3            |
| BIC 1324  | World Cultures II: Religion and Culture                                | 3            |
| BIC 2330  | Social World I: The City and the Soul                                  | 3            |
| BIC 2334  | World Cultures III: The Modern World                                   | 3            |
| BIC 2340  | Social World II: The Conditions and Possibilities of Human Fulfillment | 3            |
| BIC 2437  | The Natural World I: Primary Ideas in Science                          | 4            |
| BIC 2447  | The Natural World II: Global Science Issues                            | 4            |
| BIC 3358  | Examined Life II: Biblical Heritage and Contemporary Ethical Issues    | 3            |
| <i>Mathematics &amp; Science</i>                              |  |              |
| MTH 1301 & STA 1380   | Ideas in Mathematics and Elementary Statistics                         | 6            |
| Life Science Major Requirement                                |  |              |
| MTH 1320 & STA 1380   | Precalculus Mathematics and Elementary Statistics                      |              |
| Major Math Requirement  |  |              |
| MTH 1321 & MTH 1322   | Calculus I and Calculus II   |              |
| Physical Science Major Requirement                            |  |              |
| MTH 1321 & MTH 1322   | Calculus I and Calculus II   |              |
| <i>Language</i>   |  |              |
| Second semester proficiency in a modern or classical language |  | 3-8          |
| <i>Lifetime Fitness</i>                                       |  |              |
| Select two hours of any LF                                    |  | 2            |
| <i>Chapel</i>   |  |              |
| Complete two semesters of Chapel                              |  | 0            |
| <b>Total Hours</b>  |  | <b>44-49</b> |

## General Studies (Non-BIC)

| Code  | Title  | Hours |
|---|--|-------|
| <b>Required Courses</b>                                       |  |       |
| ENG 1310 & ENG 2310   | Writing and Academic Inquiry Seminars and American Literary Cultures | 6     |
| REL 1310 & REL 1350   | The Christian Scriptures and The Christian Heritage                  | 6     |
| <i>Language</i>   |  |       |
| Second semester proficiency in a modern or classical language |  | 3-8   |
| <i>Mathematics &amp; Science</i>                              |  |       |

|  |  |              |
|--|--|--------------|
| MTH 1301 & STA 1380  | Ideas in Mathematics and Elementary Statistics   | 6            |
| <b>Life Science Major Requirement</b>  |  |              |
| MTH 1320 & STA 1380  | Precalculus Mathematics and Elementary Statistics  |              |
| <b>Math Major Requirement</b>  |  |              |
| MTH 1321 & MTH 1322  | Calculus I and Calculus II   |              |
| <b>Physical Science Major Requirement</b>  |  |              |
| MTH 1321 & MTH 1322  | Calculus I and Calculus II   |              |
| Computer Science majors will complete courses required in major.   |  |              |
| <i>Laboratory Science</i>  |  |              |
| Select from BIO, CHE, ENV, GEO, PHY  |  | 8            |
| <i>Note: Life Science and Physical Science majors will complete courses required in their respective majors.</i> |  |              |
| <i>Social Science</i>  |  |              |
| HIS 1300 & PSC 1387  | The United States in Global Perspective and The U.S. Constitution, Its Interpretation, and the American Political Experience | 6            |
| <i>Fine Arts</i>   |  |              |
| Select three hours from the A&S Fine Arts and Performing Arts Distribution list                                  |  | 3            |
| <i>Lifetime Fitness</i>  |  |              |
| Select two hours of any LF <sup>1</sup>  |  | 2            |
| <i>Chapel</i>  |  |              |
| Complete two semesters of Chapel   |  | 0            |
| <b>Total Hours</b>   |  | <b>40-45</b> |

<sup>1</sup> May include PUBH 1145 Health and Human Behavior

## Professional Studies

| Code  | Title                          | Hours    |
|---|--------------------------------|----------|
| <b>Required Courses</b>                       |                                |          |
| Select six semester hours from the following: |                                | 6        |
| TED 1312                                      | Introduction to Teaching I     |          |
| TED 3180                                      | Social Issues in Education Lab |          |
| TED 3380                                      | Social Issues in Education     |          |
| EDP 2336                                      | The Developing Child           |          |
| <b>Total Hours</b>                            |                                | <b>6</b> |

## Academic Major

| Code                                       | Title                                 | Hours |
|--|---------------------------------------|-------|
| <b>Required Courses</b>                    |                                       |       |
| <i>English, Language Arts, and Reading</i> |                                       |       |
| ENG 1310                                   | Writing and Academic Inquiry Seminars | 3     |
| ENG 2301                                   | British Literature                    | 3     |
| ENG 2306                                   | World Literature                      | 3     |
| ENG 2310                                   | American Literary Cultures            | 3     |
| ENG 3302                                   | Modern English Grammar                | 3     |
| ENG 3380                                   | American Literature through Whitman   | 3     |
| ENG 3390                                   | American Literature from Whitman      | 3     |

|   |  |     |
|---|--|-----|
| ENG 4324                                      | Shakespeare: Selected Plays  | 3   |
| Select nine hours from 3000 or 4000 level ENG |  | 9   |
| LS 4320                                       | Young People's Literature  | 3   |
| TED 3346                                      | Foundations of Secondary Reading and Writing   | 3   |
| TED 4322                                      | English Curriculum   | 3   |
| <i>Life Science</i>                           |  |     |
| BIO 1305                                      | Modern Concepts of Bioscience  | 3   |
| BIO 1105                                      | Modern Concepts of Bioscience Laboratory   | 1   |
| BIO 1306                                      | Modern Concepts of Bioscience, continued   | 3   |
| BIO 1106                                      | Modern Concepts of Bioscience Laboratory   | 1   |
| BIO 2306                                      | Genetics   | 3   |
| BIO 2106                                      | Genetics Laboratory  | 1   |
| BIO 3303                                      | Ecology  | 3   |
| BIO 3322<br>& BIO 3122<br>or HP 1420          | Human Physiology<br>and Human Physiology Lab<br>Human Anatomy                                    | 4   |
| BIO 4365<br>or BIO 3366                       | Topics in Evolution<br>Foundations of Evolutionary Biology                                       | 3   |
| Select one of the following:                  |  | 3-4 |
| BIO 4333                                      | Science Leadership: Improvement of Science Education (OR one BIO upper level (3000-4000) course) |     |
| PHY 1405<br>& GEO 1408                        | Everyday Physics<br>and Earth Science  | 8   |
| CHE 1301                                      | Basic Principles of Modern Chemistry I   | 3   |
| CHE 1101                                      | General Chemistry Laboratory I   | 1   |
| CHE 1302                                      | Basic Principles of Modern Chemistry II  | 3   |
| CHE 1102                                      | General Chemistry Laboratory II  | 1   |
| TED 4325                                      | Science Curriculum   | 3   |
| <i>Mathematics</i>                            |  |     |
| MTH 1321                                      | Calculus I   | 3   |
| MTH 1322                                      | Calculus II  | 3   |
| MTH 2311                                      | Linear Algebra   | 3   |
| MTH 2321                                      | Calculus III   | 3   |
| MTH 3300                                      | Foundations of Mathematics   | 3   |
| MTH 3312                                      | Foundations of Combinatorics and Algebra   | 3   |
| MTH 3323                                      | Introduction to Analysis   | 3   |
| MTH 3340                                      | Mathematics through Technology   | 3   |
| MTH 3350                                      | Structure of Modern Geometry   | 3   |
| MTH 3374                                      | Introduction to Mathematical Modeling  | 3   |
| STA 3381                                      | Probability and Statistics   | 3   |
| TED 4348                                      | Secondary Mathematics Curriculum   | 3   |
| TED 4349                                      | Critical Issues in Mathematics Education   | 3   |
| <i>Physical Science</i>                       |  |     |
| CHE 1301<br>& CHE 1101                        | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I                     | 4   |
| CHE 1302<br>& CHE 1102                        | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II                   | 4   |
| CHE 3331                                      | Organic Chemistry I  | 3   |
| CHE 3332                                      | Organic Chemistry II   | 3   |
| CHE 3238                                      | Organic Chemistry Laboratory   | 2   |
| PHY 1420                                      | General Physics I  | 4   |

|   |   |     |
|---|---|-----|
| PHY 1430  | General Physics II                            | 4   |
| PHY 1455  | Descriptive Astronomy                         | 4   |
| Select six (6) to eight (8) hrs. BIO or GEO           |   | 6-8 |
| TED 4325  | Science Curriculum                            | 3   |
| <i>Social Studies</i>                                 |   |     |
| ECO 1305  | Issues in Economics for Non-Business Majors   | 3   |
| HIS 1305  | World History to 1500 <sup>1</sup>            | 3   |
| HIS 1307  | World History since 1500 <sup>1</sup>         | 3   |
| HIS 1365  | United States History to 1877                 | 3   |
| HIS 1366  | United States History since 1877              | 3   |
| HIS 2395  | History Workshop                              | 3   |
| HIS 3380  | History of Texas                              | 3   |
| Select 9 hours from: ANT, ECO, GEOG, HIS, PSC, or SOC |   | 9   |
| PSC 1305  | American National Government                  | 3   |
| TED 4341  | Social Studies Curriculum                     | 3   |
| TED 4355  | Teaching Economic Geography in Social Studies | 3   |

**Total Hours** **201-204**

<sup>1</sup> World Cultures I, II, III, and IV in the BIC program will substitute for HIS 1305 World History to 1500 and HIS 1307 World History since 1500.

## Teaching Associate

| Code   | Title                                       | Hours |
|--|---|-------|
| <b>Required Courses</b>  |   |       |
| TED 3342   | School and Classroom Environment            | 3     |
| TED 3641   | Teaching Associate Secondary                | 6     |
| Select one course from the following based on content field (Mathematics, Social Studies, Science or English Language Arts): |   | 3     |
| TED 3383   | Secondary Mathematics Practicum I           |       |
| TED 3385   | Secondary Social Studies Practicum I        |       |
| TED 3387   | Secondary Science Practicum I               |       |
| TED 3394   | Secondary Art Practicum I                   |       |
| TED 3396   | Secondary English Language Arts Practicum I |       |

**Total Hours** **12**

## Internship

| Code                    | Title                         | Hours |
|-------------------------|-------------------------------|-------|
| <b>Required Courses</b> |                               |       |
| TED 4640                | Internship Secondary Part I   | 6     |
| TED 4641                | Internship Secondary Part II  | 6     |
| TED 4642                | Internship Secondary Part III | 6     |
| TED 4643                | Internship Secondary Part IV  | 6     |

**Total Hours** **24**

# All-Level Spanish Teacher Certification, B.S. in Education

## Degree Requirements

Minimum of 124 sem. hrs.

| Requirement            | Hours           |
|------------------------|-----------------|
| Advanced Hours         | minimum 36 hrs. |
| Professional Education | minimum 36 hrs. |
| Academic Major         | minimum 30 hrs. |

## Residence Requirements

| Requirement          | Hours                           |
|----------------------|---------------------------------|
| Degree Minimum       | 60 hrs., including last 30 hrs. |
| Chapel—two semesters | no credit                       |

## Grade Point Average

- A. Grade points are earned on residence work at Baylor only.
- B. Minimum required for retention in program: 2.75 average in major and overall.

## General Studies (BIC)

| Code                             | Title  | Hours     |
|----------------------------------|--|-----------|
| <b>Required Courses</b>          |  |           |
| BIC 1112                         | Examined Life  | 1         |
| BIC 1313                         | World of Rhetoric I  | 3         |
| BIC 1314                         | World Cultures I: Roots of Culture                                     | 3         |
| BIC 1323                         | World of Rhetoric II: Rhetoric in Context                              | 3         |
| BIC 1324                         | World Cultures II: Religion and Culture                                | 3         |
| BIC 2330                         | Social World I: The City and the Soul                                  | 3         |
| BIC 2334                         | World Cultures III: The Modern World                                   | 3         |
| BIC 2340                         | Social World II: The Conditions and Possibilities of Human Fulfillment | 3         |
| BIC 2344                         | World Cultures IV: The United States in the World                      | 3         |
| BIC 2437                         | The Natural World I: Primary Ideas in Science                          | 4         |
| BIC 2447                         | The Natural World II: Global Science Issues                            | 4         |
| BIC 3358                         | Examined Life II: Biblical Heritage and Contemporary Ethical Issues    | 3         |
| MTH 1301 & STA 1380              | Ideas in Mathematics and Elementary Statistics                         | 6         |
| <i>Lifetime Fitness</i>          |  |           |
| Select two hours of any LF       |  | 2         |
| <i>Chapel</i>                    |  |           |
| Complete two semesters of Chapel |  | 0         |
| <b>Total Hours</b>               |  | <b>44</b> |

## General Studies (Non-BIC)

| Code                    | Title  | Hours |
|-------------------------|--|-------|
| <b>Required Courses</b> |  |       |
| ENG 1310 & ENG 2310     | Writing and Academic Inquiry Seminars and American Literary Cultures | 6     |

|   |  |              |
|---|--|--------------|
| REL 1310 & REL 1350   | The Christian Scriptures and The Christian Heritage  | 6            |
| MTH 1301 & STA 1380   | Ideas in Mathematics and Elementary Statistics   | 6            |
| <i>Laboratory Science</i>   |  |              |
| Select from BIO, CHE, ENV, GEO, PHY   |  | 7-8          |
| <i>Social Science</i>   |  |              |
| HIS 1300 & PSC 1387   | The United States in Global Perspective and The U.S. Constitution, Its Interpretation, and the American Political Experience | 6            |
| <i>Fine Arts</i>  |  |              |
| Select three hours from the A&S Fine Arts and Performing Arts Distribution list |  | 3            |
| <i>Lifetime Fitness</i>   |  |              |
| Select two hours of any LF <sup>1</sup>   |  | 2            |
| <i>Chapel</i>   |  |              |
| Complete two semesters of Chapel  |  | 0            |
| <b>Total Hours</b>  |  | <b>36-37</b> |

<sup>1</sup> May include PUBH 1145 Health and Human Behavior

## Professional Studies

| Code                                 | Title                          | Hours    |
|--------------------------------------|--------------------------------|----------|
| <b>Required Courses</b>              |                                |          |
| Select six hours from the following: |                                | 6        |
| TED 1312                             | Introduction to Teaching I     |          |
| TED 3180                             | Social Issues in Education Lab |          |
| TED 3380                             | Social Issues in Education     |          |
| EDP 2336                             | The Developing Child           |          |
| <b>Total Hours</b>                   |                                | <b>6</b> |

## Academic Major

| Code  | Title  | Hours |
|---|--|-------|
| <b>Required Courses</b>                             |  |       |
| Select one of following:                            |  | 4-6   |
| SPA 1301 & SPA 1302                                 | Elementary Spanish and Elementary Spanish                                  |       |
| SPA 1412  | Accelerated Elementary Spanish   |       |
| Select one of the following sequences: <sup>1</sup> |  | 6     |
| SPA 2310  | Intermediate Spanish   |       |
| SPA 2311 & SPA 2320                                 | Intermediate Spanish for Teachers and Exploring the Spanish-Speaking World |       |
| SPA 3302  | Conversation and Composition   | 3     |
| SPA 3305  | Introduction to Hispanic Literature  | 3     |
| SPA 3309  | Introduction to Spanish Linguistics  | 3     |
| SPA 3310  | Spanish Civilization   | 3     |
| or SPA 3311   | Spanish-American Civilization  |       |
| SPA 4303 or SPA 4304                                | Spanish Phonology and Morphophonology Spanish Syntax                       | 3     |
| SPA 4330  | Advanced Grammar, Composition and Conversation                             | 3     |
| SPA 4315  | Methods of Foreign Language Teaching                                       | 3     |



Select three semester hours of an Advanced Spanish Elective (3000-4000 Level) 3

**Total Hours 34-36**

<sup>1</sup> SPA 2322 Spanish for Christian Ministry can substitute for SPA 2320 Exploring the Spanish-Speaking World

## Teaching Associate

| Code                    | Title                                  | Hours     |
|-------------------------|--|-----------|
| <b>Required Courses</b> |  |           |
| TED 3342                | School and Classroom Environment       | 3         |
| TED 3641                | Teaching Associate Secondary           | 6         |
| TED 3390                | Secondary Foreign Language Practicum I | 3         |
| <b>Total Hours</b>      |  | <b>12</b> |

## Internship

| Code   | Title  | Hours     |
|--|--|-----------|
| <b>Required Courses</b>  |  |           |
| Select one of the following sequences:   |  | 24        |
| TED 4630<br>& TED 4631<br>& TED 4632<br>& TED 4633                                       | Internship Middle Grades Part I<br>and Internship Middle Grades Part II<br>and Internship Middle Grades Part III<br>and Internship Middle Grades Part IV |           |
| TED 4640<br>& TED 4641<br>& TED 4642<br>& TED 4633                                       | Internship Secondary Part I<br>and Internship Secondary Part II<br>and Internship Secondary Part III<br>and Internship Middle Grades Part IV             |           |
| Internship placement to be determined between student and clinical practice coordinator. |  |           |
| <b>Total Hours</b>   |  | <b>24</b> |

## All-Level Special Education Teacher Certification, B.S. in Education Degree Requirements

Minimum 124 sem. hrs.

| Requirement            | Hours           |
|------------------------|-----------------|
| Advanced Hours         | minimum 36 hrs. |
| Professional Education | minimum 36 hrs. |
| Academic Major         | minimum 28 hrs. |

## Residence Requirement

Minimum

| Requirement          | Hours                           |
|----------------------|---------------------------------|
| Degree Minimum       | 60 hrs., including last 30 hrs. |
| Chapel—two semesters | no credit                       |

## Grade Point Average

- Grade point are earned on residence work at Baylor only.
- Minimum required for retention in major: 2.75 average in major and overall.

## General Studies (BIC)

| Code  | Title   | Hours        |
|---|---|--------------|
| <b>Required Courses</b>                                       |   |              |
| BIC 1112  | Examined Life   | 1            |
| BIC 1313  | World of Rhetoric I   | 3            |
| BIC 1314  | World Cultures I: Roots of Culture  | 3            |
| BIC 1324  | World Cultures II: Religion and Culture                                   | 3            |
| BIC 1323  | World of Rhetoric II: Rhetoric in Context                                 | 3            |
| BIC 2330  | Social World I: The City and the Soul                                     | 3            |
| BIC 2334  | World Cultures III: The Modern World                                      | 3            |
| BIC 2437  | The Natural World I: Primary Ideas in Science                             | 4            |
| BIC 2340  | Social World II: The Conditions and Possibilities of Human Fulfillment    | 3            |
| BIC 2344  | World Cultures IV: The United States in the World                         | 3            |
| BIC 2447  | The Natural World II: Global Science Issues                               | 4            |
| BIC 3358  | Examined Life II: Biblical Heritage and Contemporary Ethical Issues       | 3            |
| MTH 1315<br>& MTH 1316  | Patterns, Relationships, and Number Concepts and Geometry and Measurement | 6            |
| <i>Language</i>   |   |              |
| Second semester proficiency in a modern or classical language |   | 3-8          |
| <i>Lifetime Fitness</i>                                       |   |              |
| Select two hours of any LF                                    |   | 2            |
| <i>Chapel</i>   |   |              |
| Complete two semesters of Chapel                              |   | 0            |
| <b>Total Hours</b>  |   | <b>47-52</b> |

## General Studies (Non-BIC)

| Code  | Title  | Hours |
|---|--|-------|
| <b>Required Courses</b>   |  |       |
| ENG 1310<br>& ENG 2310  | Writing and Academic Inquiry Seminars and American Literary Cultures   | 6     |
| REL 1310<br>& REL 1350  | The Christian Scriptures and The Christian Heritage  | 6     |
| <i>Language</i>   |  |       |
| Second semester proficiency in a modern or classical language                   |  | 3-8   |
| <i>Mathematics</i>  |  |       |
| MTH 1315<br>& MTH 1316  | Patterns, Relationships, and Number Concepts and Geometry and Measurement  | 6     |
| <i>Laboratory Science</i>   |  |       |
| Select from BIO, CHE, ENV, GEO, PHY   |  | 8     |
| <i>Social Sciences</i>  |  |       |
| HIS 1300<br>& PSC 1387  | The United States in Global Perspective and The U.S. Constitution, Its Interpretation, and the American Political Experience | 6     |
| <i>Fine Arts</i>  |  |       |
| Select three hours from the A&S Fine Arts and Performing Arts Distribution list |  | 3     |
| <i>Lifetime Fitness</i>   |  |       |

|   |              |
|---|--------------|
| Select two hours of any LF <sup>1</sup> | 2            |
| <i>Chapel</i>                           |              |
| Complete two semesters of Chapel        | 0            |
| <b>Total Hours</b>                      | <b>40-45</b> |

<sup>1</sup> May include PUBH 1145 Health and Human Behavior

Professional Studies

| Code                    | Title                      | Hours    |
|-------------------------|----------------------------|----------|
| <b>Required Courses</b> |                            |          |
| TED 1312                | Introduction to Teaching I | 3        |
| EDP 2360                | Teaching Special Education | 3        |
| <b>Total Hours</b>      |                            | <b>6</b> |

Academic Major

| Code                    | Title   | Hours        |
|-------------------------|---|--------------|
| <b>Required Courses</b> |   |              |
| EDP 2336                | The Developing Child  | 3            |
| EDP 3368                | Assessment of Students with Mild Disabilities                         | 3            |
| EDP 3334                | Collaborative Consultation in Special Education                       | 3            |
| EDP 3470                | Literacy for Students with Special Needs                              | 4            |
| EDP 4351                | Differentiated Instruction  | 3            |
| EDP 4352 & TED 4312     | Exceptionalities and Methods of Teaching English as a Second Language | 4-6          |
| or CSD 1405             | American Sign Language I  |              |
| EDP 3361                | Developmental Disabilities  | 3            |
| EDP 3376                | Applied Behavior Analysis   | 3            |
| <b>Total Hours</b>      |   | <b>26-28</b> |

Teaching Associate

| Code                    | Title   | Hours     |
|-------------------------|---|-----------|
| <b>Required Courses</b> |   |           |
| EDP 3660                | Teaching Associate Special Education Part I             | 6         |
| EDP 3362                | Teaching Associate Special Education Part II            | 3         |
| EDP 3379                | Education of Students with Moderate-Severe Disabilities | 3         |
| <b>Total Hours</b>      |   | <b>12</b> |

Internship

| Code                    | Title                                 | Hours     |
|-------------------------|---------------------------------------|-----------|
| <b>Required Courses</b> |                                       |           |
| EDP 4660                | Internship Special Education Part I   | 6         |
| EDP 4661                | Internship Special Education Part II  | 6         |
| EDP 4662                | Internship Special Education Part III | 6         |
| EDP 4663                | Internship Special Education Part IV  | 6         |
| <b>Total Hours</b>      |                                       | <b>24</b> |

Supplemental Certificates

The School of Education offers the following three supplemental certificates. Please check with the Office of Academic Advising in the School of Education for details about adding one of more of these to your certification.

- Gifted and Talented Supplemental Certificate (p. 314)
- English as a Second Language Supplemental Certificate (p. 314)

(Applicable to all levels of certification)

Gifted and Talented Supplemental Certificate

| Code                    | Title   | Hours     |
|-------------------------|---|-----------|
| <b>Required Courses</b> |   |           |
| EDP 2350                | Teaching Gifted and Talented (taken in the sophomore year) <sup>1</sup> | 3         |
| EDP 3650                | Teaching Associate Gifted Education Part I <sup>2</sup>                 | 6         |
| EDP 4351                | Differentiated Instruction (taken in junior year) <sup>1</sup>          | 3         |
| EDP 4352                | Exceptionalities (taken in junior year) <sup>1</sup>                    | 3         |
| EDP 4650                | Internship Gifted and Talented Part I <sup>2</sup>                      | 6         |
| EDP 4651                | Internship for Gifted and Talented Part II <sup>2</sup>                 | 6         |
| <b>Total Hours</b>      |   | <b>27</b> |

<sup>1</sup> indicates an additional course required for the GT certification  
<sup>2</sup> indicates an Elementary Education replacement course required for the GT certification

English as a Second Language Supplemental Certificate

| Code                    | Title  | Hours    |
|-------------------------|--|----------|
| <b>Required Courses</b> |  |          |
| TED 4312                | Methods of Teaching English as a Second Language | 3        |
| <b>Total Hours</b>      |  | <b>3</b> |

Joint Bachelor and Master of Arts in Teaching

M.A.T. with Teaching Certification

The Master of Arts in Teaching (M.A.T.) is a School-wide residential program offering teacher certification. Based on Baylor’s national award-winning teacher-education model, the M.A.T. provides thorough preparation through a program rich in faculty-guided field-based experiences.

The M.A.T. is offered as both a joint degree program of study and a stand-alone graduate program that leads to the master’s degree and teacher certification. The joint degree program enables qualified Baylor University students in select undergraduate programs (p. 315) to obtain

a bachelor's degree and a M.A.T. degree with teacher certification in a minimum of five years of study.

Baylor undergraduates may pursue the M.A.T. as a joint degree program, with Baylor seniors taking up to 12 hours of graduate-level work as part of their undergraduate degree program, if approved by their home department. Students must first be admitted to the Graduate School and the M.A.T. program. Upon completion of the M.A.T., students will receive the bachelor's degree and M.A.T. simultaneously.

## Admission

To be fully admitted to the program, applicants must be accepted both by the Baylor Graduate School and the School of Education as an M.A.T. candidate. A passing score on the diagnostic TExES content exam (state certification exam) is also required for full admission as a candidate in the School of Education M.A.T. Educator Preparation Program.

**Admission to the program is competitive and based on the following criteria:**

1. Completed applications (Graduate School and School of Education)
2. Overall GPA of 2.75
3. Content Area GPA of 2.75
4. Completed content-specific coursework for middle and secondary education certifications
  - a. 24 hours in content field with at least 12 of these hours at the upper level (junior or senior level coursework)
5. Interview
6. Writing sample (personal statement)
7. Passing score on diagnostic TExES (Texas Examinations of Educator Standards) content exam in teaching area
  - a. For those seeking middle and secondary education certification, you must complete and earn a passing score on the diagnostic exam in your designated teaching area prior to admission to the M.A.T. program.
  - b. For those seeking EC-6 Elementary certification, Twice Exceptionalities certification, or All Level Special Education certification, you must complete the diagnostic exam for all 5 core subject exams and earn a passing score on at least 3 of the 5 exams, with one of the passing scores being on the mathematics core subject exam. Additionally, all scores will be examined to determine the need for additional review, preparation, and retesting prior to admission to the M.A.T. program.

## Certificate and Endorsement Programs

Certification and the Master of Arts in Teaching degree may be pursued concurrently. Certification is through the State Board for Educator Certification and the awarding of a graduate degree from Baylor University does not mean the individual has been certified. For further information on certification, please contact the School of Education or the State Board for Educator Certification.

## Certificate Options

- Elementary (EC-6) Education (Early Childhood – Grade 6 General Education certification)
- Middle Grades Education (Grades 4-8 content-specific certification)
- Secondary Education (Grades 7-12 content-specific certification / 6-12 for physical science certification)
- Special Education (All-Level Special Education certification)

- Twice Exceptionalities (All-Level Special Education and Gifted-Talented Supplemental certifications)

## Content Areas (Middle and Secondary Education)

- Art
- Business and Finance
- English (English Language Arts and Reading)
- French
- History
- Life Science
- Mathematics
- Physical Science
- Physics/Mathematics
- Science
- Social Studies
- Spanish

## Approved Bachelor's/M.A.T. Joint Programs

- BA Art History/Master of Arts in Teaching
- BA Biochemistry/Master of Arts in Teaching
- BA Chemistry/Master of Arts in Teaching
- BA English/Master of Arts in Teaching
- BA Environmental Studies/Master of Arts in Teaching
- BA History/Master of Arts in Teaching
- BA Mathematics/Master of Arts in Teaching
- BA Political Science/Master of Arts in Teaching
- BA Religion/Master of Arts in Teaching
- BA Studio Art/Master of Arts in Teaching
- BA University Scholars/Master of Arts in Teaching
- BFA Art/Master of Arts in Teaching
- BS Applied Mathematics/Master of Arts in Teaching
- BS Biochemistry/Master of Arts in Teaching
- BS Biology/Master of Arts in Teaching
- BS Chemistry/Master of Arts in Teaching
- BS Communication Sciences and Disorders Deaf Education/Master of Arts in Teaching
- BS Environmental Science/Master of Arts in Teaching
- BS Mathematics/Master of Arts in Teaching
- BSEd All Level Special Education/Master of Arts in Teaching
- BSEd Elementary Education/Master of Arts in Teaching
- BSEd Elementary Education with Supplemental Gifted and Talented/Master of Arts in Teaching
- BSEd Middle School Education/Master of Arts in Teaching
- BSEd Recreation and Leisure Services/Master of Arts in Teaching
- BSEd Secondary Education/Master of Arts in Teaching

## M.A.T. Degree Plan for Elementary (EC-6) Education Certification

(Early Childhood through Grade 6 General Education certification)

| Code                    | Title   | Hours     |
|-------------------------|---|-----------|
| <b>Required Courses</b> |   |           |
| EDC 5392                | Issues in Diversity                                       | 3         |
| EDC 5332                | Mathematics in the Elementary Grades                      | 3         |
| EDC 5360                | Advanced Elementary Science Curriculum                    | 3         |
| EDU 5650                | Teaching Associate: Special Ed and Twice Exceptionalities | 6         |
| EDC 5300                | Advanced Elementary Social Studies Methods                | 3         |
| EDC 5304                | Reading Intervention for Students                         | 3         |
| TED 4312                | Methods of Teaching English as a Second Language          | 3         |
| EDC 5690                | Teaching Associate EC-6                                   | 6         |
| EDC 5699                | Graduate Teaching Internship                              | 6         |
| EDC 5318                | Elementary Language Arts                                  | 3         |
| EDC x3xx                | Elective  | 3         |
| <b>Total Hours</b>      |   | <b>42</b> |

## M.A.T. Degree Plan for Middle Grades Education Certification

(Grades 4 – 8 content-specific certification)

| Code                    | Title   | Hours     |
|-------------------------|---|-----------|
| <b>Required Courses</b> |   |           |
| EDC 5392<br>or TED 4349 | Issues in Diversity<br>Critical Issues in Mathematics Education | 3         |
| EDC 5303                | Models of Teaching and Learning                                 | 3         |
| EDC 5370                | Applications of Technology to Teaching and Learning             | 3         |
| TED 4312                | Methods of Teaching English as a Second Language                | 3         |
| TED 43xx or EDC 53xx    | Content Curriculum  | 3         |
| EDC 5691                | Teaching Associate Middle Grades                                | 6         |
| EDC 5699                | Graduate Teaching Internship                                    | 6         |
| EDC x3xx                | Elective  | 3         |
| EDC x3xx                | Elective  | 3         |
| EDC x3xx                | Elective  | 3         |
| <b>Total Hours</b>      |   | <b>33</b> |

## M.A.T. Degree Plan for Secondary Education Certification

(Grades 7 – 12 content-specific certification / Grades 6 – 12 for physical science certification)

| Code                    | Title  | Hours |
|-------------------------|--|-------|
| <b>Required Courses</b> |  |       |
| EDC 5392                | Issues in Diversity                              | 3     |
| EDC 5303                | Models of Teaching and Learning                  | 3     |
| EDC 5317                | Special Techniques in Secondary Schools          | 3     |
| TED 4312                | Methods of Teaching English as a Second Language | 3     |
| TED 43xx or EDC 53xx    | Content Curriculum                               | 3     |

|                    |   |           |
|--------------------|---|-----------|
| EDC 5363           | Observation and Participation in Middle and Secondary Schools | 3         |
| EDC 5390           | Seminar: Education  | 3         |
| EDC 5699           | Graduate Teaching Internship                                  | 6         |
| EDC x3xx           | Elective  | 3         |
| EDC x3xx           | Elective  | 3         |
| EDC x3xx           | Elective  | 3         |
| <b>Total Hours</b> |   | <b>36</b> |

## M.A.T. Degree Plan for Special Education Certification

(All-Level Special Education certification) \*available only as an initial certification

| Code                     | Title   | Hours     |
|--------------------------|---|-----------|
| <b>Required Courses</b>  |   |           |
| EDP 5332                 | Human Growth and Development  | 3         |
| EDP 5366                 | Psychology of Exceptional Children  | 3         |
| EDU 5377                 | Applied Behavior Analysis   | 3         |
| EDU 5371                 | Assessment of Students with Exceptionalities  | 3         |
| EDP 5361                 | Challenging Behavior and Developmental Disabilities                                 | 3         |
| EDU 5650                 | Teaching Associate: Special Ed and Twice Exceptionalities                           | 6         |
| EDU 5662                 | Internship: Early Childhood through Grade 6 (EC-6) Education with Special Education | 6         |
| EDU 5354                 | Curriculum Differentiation  | 3         |
| EDU 5374                 | Literacy for Learners with Exceptionalities   | 3         |
| EDU upper level elective |   | 3         |
| <b>Total Hours</b>       |   | <b>36</b> |

## M.A.T. Degree Plan for Twice Exceptionalities Certification

(All-Level Special Education and Gifted-Talented Supplemental certifications) \*available only as an initial certification

| Code                    | Title  | Hours |
|-------------------------|--|-------|
| <b>Required Courses</b> |  |       |
| EDP 5332                | Human Growth and Development                                 | 3     |
| EDU 5650                | Teaching Associate: Special Ed and Twice Exceptionalities    | 6     |
| EDP 5366                | Psychology of Exceptional Children                           | 3     |
| EDU 5377                | Applied Behavior Analysis                                    | 3     |
| EDP 4350                | Introduction to Gifted Education (OR one Gifted Ed Elective) | 3     |
| EDP 5361                | Challenging Behavior and Developmental Disabilities          | 3     |
| EDU 5371                | Assessment of Students with Exceptionalities                 | 3     |
| EDU 5652                | Internship: Special Education with Gifted Education          | 6     |
| EDU 5354                | Curriculum Differentiation                                   | 3     |

|                    |   |           |
|--------------------|---|-----------|
| EDU 5374           | Literacy for Learners with Exceptionalities | 3         |
| <b>Total Hours</b> |   | <b>36</b> |

## Minors/Concentrations

- Educational Psychology Minor (p. 324)
- Leadership Studies Minor (p. 324)
- Informal Education Minor (p. 325)
- BA/BS Biology - Secondary Education Concentration (p. 325)
- BA/BS History - Secondary Education Concentration (p. 326)
- BA/BS Mathematics - Secondary Education Concentration (p. 326)
- BS Physics - Secondary Education Concentration (p. 326)
- Health Science Studies - Secondary Science Education Concentration (p. 326)

## Teacher Education (TED)

### TED 1112 Instructional Technology Lab (1)

Co-requisite(s): TED 1312

The TED technology lab prepares teacher candidates for effective personal and classroom use of technology resources. Students will meet and exceed Texas State Board for Educator Certification (SBEC) requirements.

### TED 1312 Introduction to Teaching I (3)

Co-requisite(s):

This course provides preparation in the role of a teacher. Students will learn teaching strategies that are then applied in a tutoring experience.

### TED 2112 Instructional Technology Lab II (1)

Pre-requisite(s): TED 1112

The TED 2112 technology lab extends and builds on TED 1112 in preparing teacher candidates for effective personal and professional use of technology resources. At the conclusion of the Baylor teacher education program, candidates will meet and exceed Texas State Board for Educator Certification (SBEC) requirements as outlined in the Technology Applications Standards for All Beginning Teachers.

### TED 2320 Teaching in the Elementary School (3)

Co-requisite(s):

Pre-requisite(s): Completion of TED 1312 or concurrent enrollment

An introduction to the role of the teacher in the elementary school. A field experience is included.

### TED 2330 Teaching in the Middle Grades (3)

Co-requisite(s):

Pre-requisite(s): Completion of TED 1312 or concurrent enrollment

An introduction to the role of the teacher in the middle school. A field experience is included.

### TED 2340 Teaching in Secondary Schools (3)

Co-requisite(s):

Pre-requisite(s): Completion of TED 1312 or concurrent enrollment

An introduction to the role of the teacher in the secondary school. A field experience is included.

### TED 2360 Teaching Special Education (3)

Pre-requisite(s): TED 1312

This course provides initial preparation in the role of a special education teacher. Students will learn teaching strategies for students with disabilities that are then applied in a one-to-one teaching experience.

### TED 2370 Teaching Physical Education (3)

Co-requisite(s): TED 2112

Pre-requisite(s): Completion of TED 1312 or concurrent enrollment

This course provides teacher candidates with an introduction to the role of the all-level physical education instructor. Course includes a field experience in grades K - eight.

### TED 2380 Introduction to Education (3)

This course will provide an introduction to the field of education from an interdisciplinary perspective that addresses such topics as curriculum, educational theory/practice, and the role of the teaching profession in democratic life.

### TED 2381 American Educational Thought (3)

This course will address the history of American educational thought from the founding of the Republic to the present day. Individuals to be considered will include Thomas Jefferson, Horace Mann, William James, and John Dewey.

### TED 3180 Social Issues in Education Lab (1)

Co-requisite(s): TED 3380

Varied action-oriented field experiences that allow students to develop a depth of knowledge and experience in the topics explored in TED 3380. Through field based experiences in local organizations and schools, students will have the opportunity to examine how social issues play out in real-life settings.

### TED 3301 Early Literacy Learning (3)

Pre-requisite(s): TED 1312 Preparation of pre-service teachers to plan,

organize, and implement an early literacy program that ensures that young children will be reading beginning materials independently by the end of the first grade

Course includes a field experience.

### TED 3325 Literacy Instruction in the Elementary School (3)

Co-requisite(s): TED 3620, TED 4308

Pre-requisite(s): TED 1312

An examination of methods of teaching reading in the elementary school. Includes atypical and typical language and literacy development in children in the elementary school.

### TED 3335 Literacy Instruction in the Middle Grades (3)

Co-requisite(s): TED 3370

Pre-requisite(s): TED 3380 and 3180 and EDP 3326

Introductions to typical and atypical literacy instruction in middle grades and an overview of cognitive, emotional, social, and physical development of adolescents. Includes reading, writing, oral language, and an introduction to literature for adolescents.

### TED 3336 Middle Grades Science (3)

Co-requisite(s): TED 3370

Pre-requisite(s): TED 3380 and 3180 and EDP 3326

This course will prepare candidates to plan and implement inquiry-based science instruction to meet the needs of diverse learners and increase their pedagogical repertoires.

### TED 3340 Teaching Associate Secondary Part I (3)

Pre-requisite(s): TED 2340 or concurrent enrollment

Practicum of one hundred hours in a local secondary classroom matching the selected content certification area. Course includes weekly seminars.

### TED 3341 Teaching Associate Secondary Part II (3)

Pre-requisite(s): TED 2340

Continuation of Teaching Associate Secondary Part I. Practicum of one hundred hours in a local secondary classroom matching the selected content certification area. Course includes weekly seminars.



**TED 3342 School and Classroom Environment (3)**

Prepare the secondary education teacher candidate with research-based instructional and classroom management strategies. Provide opportunities for application of the strategies with students and opportunities for interaction with teachers at local secondary schools.

**TED 3346 Foundations of Secondary Reading and Writing (3)**

A study of the typical and atypical developmental stages of reading and writing for secondary students. Focuses on instructional strategies in reading and writing to meet the needs of all students. Course includes a field experience.

**TED 3362 Middle Grades Social Studies (3)**

Co-requisite(s): TED 3370

Pre-requisite(s): TED 3380 and 3180 and EDP 3326

This course will expose middle school social studies candidates to the philosophies, methods and culturally relevant practices that nuance the field's expressed disciplinary aims. Candidates will be asked to rethink traditional social studies instruction and develop transformational postures that will increase and diversify their pedagogical repertoires. Concurrent enrollment in TED 3370 required.

**TED 3370 Data Analysis and Instruction (3)**

Pre-requisite(s): TED 3180 and EDP 3326

An analysis of standardized assessments given at national, state, district, campus, and individual student levels. Planning and implementing instructional activities based on areas of need identified in the analysis. Field experiences are a critical element of the course.

**TED 3380 Social Issues in Education (3)**

Co-requisite(s): TED 3180

This course will explore cultural and social issues that influence education. Concurrent enrollment in one hour field-based lab required.

**TED 3383 Secondary Mathematics Practicum I (3)**

Co-requisite(s): TED 3342

This course prepares teacher candidates to adapt instruction in mathematics for meeting the needs of diverse students, strategy implementation for large and small groups, application of state and national standards, and development of instructional resources.

**TED 3384 Secondary Mathematics Practicum II (3)**

Co-requisite(s):

Pre-requisite(s): TED 2330 or TED 2340

Continuation of Secondary Mathematics Practicum I. Course combines a practicum in a local secondary mathematics classroom with lecture and discussion about adapting instruction to meet the needs of diverse students, strategies for large and small groups, NCTM Standards, and teaching resources.

**TED 3385 Secondary Social Studies Practicum I (3)**

Co-requisite(s): TED 3342

This course prepares teacher candidates to adapt instruction in social studies for meeting the needs of diverse students, strategy implementation for large and small groups, application of state and national standards, and development of instructional resources.

**TED 3386 Secondary Social Studies Practicum II (3)**

Co-requisite(s):

Continuation of Secondary Social Studies Practicum I. Course combines a practicum in a local school with in-depth discussion of instructional design, technology in the classroom, and assessment. The course also includes overview of content included in secondary history, geography, economics and civics education courses.

**TED 3387 Secondary Science Practicum I (3)**

Co-requisite(s): TED 3342

This course prepares teacher candidates to adapt instruction in science for meeting the needs of diverse students, strategy implementation for large and small groups, application of state and national standards, and development of instructional resources.

**TED 3388 Secondary Science Practicum II (3)**

Co-requisite(s): TED 3341

Pre-requisite(s): TED 3340 and 3387

Course combines a practicum in a local school with in-depth discussion of instructional design, technology in the classroom, and assessment. The course also includes an overview of content of secondary science courses.

**TED 3390 Secondary Foreign Language Practicum I (3)**

Co-requisite(s): TED 3342

This course prepares teacher candidates to adapt instruction in foreign language for meeting the needs of diverse students, strategy implementation for large and small groups, application of state and national standards, and development of instructional resources.

**TED 3391 Secondary Foreign Language Practicum II (3)**

Co-requisite(s): TED 3341

Course combines a practicum in a local school with lecture and in-depth discussion of instructional design, technology in the classroom, and assessment and action research in the classroom.

**TED 3394 Secondary Art Practicum I (3)**

Co-requisite(s): TED 3340

Course combines a practicum in a local school with lecture and in-depth discussion of instructional design, components of a secondary art program, technology in the art classroom, assessment and action research in the classroom.

**TED 3395 Secondary Art Practicum II (3)**

Co-requisite(s): TED 3341

Pre-requisite(s): TED 3340 and 3394

Continuation of Secondary Art Practicum I. Course combines a practicum in a local school with in-depth discussion of components of the art program, instructional design in art, technology in the classroom, and assessment in art classes.

**TED 3396 Secondary English Language Arts Practicum I (3)**

Co-requisite(s): TED 3342

This course prepares teacher candidates to adapt instruction in English/Language Arts for meeting the needs of diverse students, strategy implementation for large and small groups, application of state and national standards, and development of instructional resources.

**TED 3397 Secondary English Language Arts Practicum II (3)**

Co-requisite(s): TED 3341

Pre-requisite(s): TED 3340 and 3396

Continuation of Secondary English Language Arts Practicum I. Course combines practicum in a local secondary English classroom with lecture and discussion about adapting instruction in English to meet the needs of diverse students, strategies for building vocabulary, developing written and oral language, and an overview of the history of English.

**TED 3398 Secondary Business Practicum I (3)**

Co-requisite(s): TED 3342

This course prepares teacher candidates to adapt instruction in business courses for meeting the needs of diverse students, strategy implementation for large and small groups, application of state and national standards, and development of instructional resources.

**TED 3399 Secondary Business Practicum II (3)**

Co-requisite(s): TED 3341

Pre-requisite(s): TED 3340 and 3398

A continuation of TED 3398 Secondary Business Practicum I. Course combines a practicum in a local school with lecture and in-depth discussion of the economic system, components of a secondary business program, technology in the classroom, leadership and career development, assessment of student learning, and action research in the business classroom.

**TED 3620 Teaching Associate Elementary School Part I (6)**

Co-requisite(s): TED 3325, TED 4308

Pre-requisite(s): TED 1312

Practicum of one hundred hours in the elementary school in a local classroom. Teacher candidates will work with small and large groups in instruction in reading and social studies. Course includes daily seminars.

**TED 3621 Teaching Associate Elementary School Part II (6)**

Co-requisite(s): TED 4307, TED 4326

Pre-requisite(s): TED 1312

Practicum of one hundred hours in the elementary school in a local classroom. Teacher candidates will work with small and large groups in instruction in mathematics and science. Course includes daily seminars.

**TED 3630 Teaching Associate Middle Grades Part I (6)**

Co-requisite(s):

Pre-requisite(s): TED 3370

Practicum of one hundred hours in a local middle grade classroom matching the selected content certification area. Teacher candidates will work with small and large groups of students. Course includes a weekly seminar.

**TED 3631 Teaching Associate Middle Grades Part II (6)**

Pre-requisite(s): TED 2330 or 2340

Continuation of TED 3630. Practicum of one hundred hours in a local middle grade classroom matching the selected content certification areas. Teacher candidates will work with small and large groups of students. Course includes a weekly seminar.

**TED 3640 Tchng Assoc Secondary Part I (6)**

Pre-requisite(s): TED 2340

Practicum of one hundred hours in a local secondary classroom matching the selected content certification area. Course includes weekly seminars.

**TED 3641 Teaching Associate Secondary (6)**

Pre-requisite(s): TED 3380

Practicum of 100 hours in a local secondary classroom matching the selected content certification area. Course includes weekly seminars.

**TED 3651 Teaching Associate EC-6 with Special Education and Gifted Education (6)**

Pre-requisite(s): EDP 2350 and 3650; and EDP 3324 and 3326

In this course, teacher candidates teach small groups of early childhood through grade 6 general education with special education or gifted education students within the specific disciplinary areas that match their certificate areas. The practicum consists of 97.5 hours in a professional development or partner school (7.5 hours per week). Teacher candidates will work with small and large groups of students. Course includes seminars.

**TED 3670 Teaching Associate Physical Education Part I (6)**

Pre-requisite(s): TED 2370

Practicum of one hundred hours teaching physical education in a local school. Teacher candidates will work with small and large groups of students. Course includes a weekly seminar.

**TED 3671 Teaching Associate Physical Education Part II (6)**

Continuation of TED 3670. Practicum of one hundred hours teaching physical education in a local school. Teacher candidates will work with small and large groups of students. Course includes a weekly seminar.

**TED 4302 Elementary Reading - Integrated Language Arts (3)**

Pre-requisite(s): TED 1312 Language Arts is comprised of all communication skills-reading, writing, listening, speaking

Students will develop strategies for facilitating communication skills and integrating the language arts across the curriculum.

**TED 4303 Comprehension of Expository Texts (3)**

Co-requisite(s):

Pre-requisite(s): TED 1312 and TED 3301

Preservice teachers will develop understanding of pedagogies that help elementary students develop proficiency in comprehending expository texts.

**TED 4307 Science in the Elementary School (3)**

Co-requisite(s): TED 3621, TED 4326

Pre-requisite(s): TED 1312

A study of the content of elementary science. Design and presentation of laboratory activities appropriate to various grade levels.

**TED 4308 Social Studies in the Elementary School (3)**

Co-requisite(s): TED 3325, TED 3620

Pre-requisite(s): TED 1312

The types, classification, and organization of social studies content. Emphasis on the integration of the historical, geographical, and civic content of the social studies.

**TED 4312 Methods of Teaching English as a Second Language (3)**

Strategies for teaching English to non-English speaking students at the elementary and secondary levels. Emphasis will be placed upon developing specific instructional approaches appropriate for the individual's language background.

**TED 4322 English Curriculum (3)**

Pre-requisite(s): TED 3630 or 3641

Instructional methods and teaching aids and materials for the teaching of English in middle and secondary grades. Contemporary concerns relevant to the curriculum development of the English language arts in the components of language, composition, and literature will be stressed.

**TED 4325 Science Curriculum (3)**

Pre-requisite(s): TED 3630 or 3641

A survey of contemporary school science programs (all sciences) emphasizing their philosophies, designs, and unique methods and strategies for teaching in middle and secondary grades.

**TED 4326 Mathematics in the Elementary Grades (3)**

Co-requisite(s): TED 3621, TED 4307

Pre-requisite(s): TED 1312

Mathematics content, materials, and conceptual activities for the elementary school. The emphasis of the course is to prepare the elementary school teacher to implement a constructivist approach to the teaching of mathematics based on an understanding of the National Council of Teachers of Mathematics (NCTM) standards. Includes laboratory experiences in teaching mathematics in the elementary school.

**TED 4336 Mathematics in the Upper Elementary Grades (3)**

Co-requisite(s): TED 3370

Pre-requisite(s): TED 3380 and 3180 and EDP 3326 and Admission to the Teacher Education Program

The student will be exposed to a wide range of issues and theories in mathematics curriculum and encouraged to relate these to his or her own teaching practices. Opportunities for teaching and observation of teaching will be provided in order to analyze and reflect on teaching practices appropriate for upper elementary grade mathematics.

**TED 4337 Mathematics in the Middle School (3)**

Pre-requisite(s): TED 4336

Teaching strategies will be analyzed with developmental activities that can be used in middle grades mathematics. Candidates will reflect on what it means to teach mathematics for conceptual understanding and explore the factors that influence instruction. The NCTM Standards for grades 4-8 will be emphasized. Includes laboratory experiences in teaching mathematics in middle grades.

**TED 4341 Social Studies Curriculum (3)**

Pre-requisite(s): TED 3630 or 3640

Organization, content, research practices, and technology in the social studies curriculum in middle and secondary grades. Includes a discussion of current issues and standards in social studies teaching.

**TED 4348 Secondary Mathematics Curriculum (3)**

Methods and activities used to actively engage secondary school students in the construction of mathematical concepts. This course includes development of instructional methods, teaching aids, and materials for the teaching of mathematics in the secondary classroom. Contemporary concerns relevant to the development in mathematics curriculum is included.

**TED 4349 Critical Issues in Mathematics Education (3)**

Teacher candidates will investigate critical issues in the nature of knowledge and inquiry in middle grade and secondary school mathematics. Candidates will explore current issues related to teaching practices and experiences. The NCTM Standards along with relevant research will provide a foundation.

**TED 4355 Teaching Economic Geography in Social Studies (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The focus of this course is to provide EC-4, 4-8, and 7-12 certificate level teacher education students an in-depth exploration of the curriculum and pedagogy of geography education in the social studies with special attention to the intersections of economics and geography. This emphasis guides the course themes which attend to critical geographic and economic approaches to understanding the world and taking informed action to change it.

**TED 4397 Student Teaching in Private Schools (3)**

Pre-requisite(s): Concurrent enrollment in TED 4620, TED 4630, TED 4640, EDP 4650, EDP 4660 or TED 4670

A course designed to extend student teaching to a private school. Students will be involved in full-time student teaching for a minimum of four weeks.

**TED 4399 International Internship Comparative Education (3)**

Pre-requisite(s): TED 3340, TED 3620, TED 3630, TED 3670, EDP 3650, or EDP 3660

This program is designed to extend the teaching experience. For teaching candidates in the School of Education at Baylor University. Teacher candidates will engage in cultural exchange, travel and education programs including three weeks of teaching and a comparative study of educational systems and instructional strategies.

**TED 4620 Internship Elementary Part I (6)**

Co-requisite(s): TED 4621

Pre-requisite(s): Grade of B or better in TED 3620 and 3621

Full-time teaching experience in a professional development school. A mentor teacher and resident faculty will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes two eighty-minute seminars per week.

**TED 4621 Internship Elementary Part II (6)**

Co-requisite(s): TED 4620

Pre-requisite(s): Grade of B or better in TED 3620 and 3621

Planning and preparing lessons and materials for full-time teaching. Includes completion of content modules, conferencing with mentor teacher and university instructor, written lesson reflections, observation of lessons taught by master teachers, and preparation of web-based portfolio.

**TED 4622 Internship Elementary Part III (6)**

Co-requisite(s): TED 4623

Pre-requisite(s): Grade of B or better in TED 3620 and 3621

Continuation of TED 4620 and TED 4621.

**TED 4623 Internship Elementary Part IV (6)**

Co-requisite(s): TED 4622

Pre-requisite(s): Grade of B or better in TED 3620 and 3621

Continuation of TED 4620 and TED 4621.

**TED 4630 Internship Middle Grades Part I (6)**

Co-requisite(s): TED 4631

Pre-requisite(s): Grade of B or better in TED 3630

Full-time teaching experience in a professional development or partner school. A mentor teacher and intern-supervisor will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes a 2-hour weekly seminar

**TED 4631 Internship Middle Grades Part II (6)**

Co-requisite(s): TED 4630

Pre-requisite(s): Grade of B or better in TED 3630

Planning and preparing lessons and materials for full-time teaching. Includes completion of content modules, conferencing with mentor teacher and intern-supervisor, written lesson reflections, observation of lessons taught, and experiences aligned with the teacher education standards.

**TED 4632 Internship Middle Grades Part III (6)**

Co-requisite(s): TED 4633

Pre-requisite(s): Grade of B or better in TED 4630 and 4631

Continuation of TED 4630 and TED 4631.

**TED 4633 Internship Middle Grades Part IV (6)**

Co-requisite(s): TED 4632

Pre-requisite(s): Grade of B or better in TED 4630 and 4631

Continuation of TED 4630 and TED 4631.

**TED 4640 Internship Secondary Part I (6)**

Co-requisite(s): TED 4641

Pre-requisite(s): Grade of B or better in TED 3342, 3641, and 33XX Secondary Content Practicum Course

Full-time teaching experience in a professional development school. A mentor teacher and resident faculty will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes one two hour seminar per week.

**TED 4641 Internship Secondary Part II (6)**

Co-requisite(s): TED 4640

Pre-requisite(s): Grade of B or better in TED 3342, 3641, and 33XX Secondary Content Practicum. Planning and preparing lessons and materials for full-time teaching. Includes completion of content modules, conferencing with mentor teacher and university instructor, written lesson reflections, observation of lessons taught by master teachers, and preparation of electronic portfolio.

**TED 4642 Internship Secondary Part III (6)**

Co-requisite(s): TED 4643

Pre-requisite(s): Grade of B or better in TED 3342, 3641, and 33XX Secondary Content Practicum  
Continuation of TED 4640 and TED 4641.

**TED 4643 Internship Secondary Part IV (6)**

Co-requisite(s): TED 4642

Pre-requisite(s): Grade of B or better in TED 3342, 3641, and 33XX Secondary Content Practicum

**TED 4652 Internship Gifted and Talented Part III (6)**

Co-requisite(s): TED 4653

Pre-requisite(s): Grade of B or better in EDP 3650 and TED 3651  
Continuation of EDP 4650 and EDP 4651.

**TED 4653 Internship Gifted and Talented Part IV (6)**

Co-requisite(s): TED 4652

Pre-requisite(s): Grade of B or better in EDP 3650 and TED 3651  
Continuation of EDP 4650 and EDP 4651.

**TED 4670 Internship Physical Education Part I (6)**

Co-requisite(s): TED 4671

Pre-requisite(s): Grade of B or better in TED 3670 and 3671  
Full-time experience in professional development. A mentor teacher and resident faculty will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes two eighty-minute seminars per week.

**TED 4671 Internship Physical Education Part II (6)**

Co-requisite(s): TED 4670

Pre-requisite(s): Grade of B or better in TED 3670 and 3671  
Planning and preparing lessons and materials for full-time teaching. Includes completion of content modules, conferencing with mentor teacher and university instructor, written lesson reflections, observation of lessons taught by master teachers, and preparation of web-based portfolio.

**TED 4672 Internship Physical Education Part III (6)**

Co-requisite(s): TED 4673

Pre-requisite(s): Grade of B or better in TED 3670 and 3671  
Continuation of TED 4670 and TED 4671.

**TED 4673 Internship Physical Education Part IV (6)**

Co-requisite(s): TED 4672

Pre-requisite(s): Grade of B or better in TED 3670 and 3671  
Continuation of TED 4670 and TED 4671.

**TED 4690 Secondary School Teaching (6)**

Pre-requisite(s): TED 3641

A full-time daily supervised teaching experience in a local public school. Students collaborate with classroom teacher to provide instruction under the direction of a university supervisor. Includes weekly seminar with supervisor.

**TED 4V98 Special Topics in Teacher Education (1-6)**

Pre-requisite(s): Upper-level standing or consent of instructor

Examination of special topics in teacher education focusing on pedagogy, curriculum, and PK-12 field experience professional development. May be repeated once under a different topic not to exceed six semester hours.

## Education Psychology (EDP)

**EDP 2336 The Developing Child (3)**

A study of the physical, cognitive and affective development of a child from prenatal to eighteen years of age. Emphasis is placed on current literature, research findings and developmental theories.

**EDP 2350 Teaching Gifted and Talented (3)**

Pre-requisite(s): Completion of TED 1312 or concurrent enrollment

This course provides information about characteristics of gifted and talented learners and their needs. Students will learn the role of a teacher and instructional strategies related to guided research that are then applied in one-to-one teaching experiences.

**EDP 2360 Teaching Special Education (3)**

This course provides initial preparation in the role of a special education teacher. Students will learn teaching techniques and strategies for students with mild disabilities that are then applied in a one-to-one or one-to-two teaching experience.

**EDP 3324 Learning and Development (3)**

A study of the relationship between development and learning. Physical, cognitive, personal, social, moral, and language development as well as selected theories of learning and motivation are considered. (Credit may not be earned for this course if credit is earned in EDP 3325.)

**EDP 3325 Introduction to Educational Psychology (3)**

The principles of educational psychology as applied to teaching. Content of the course includes the principles of human growth and development, learning, motivation, and measurement as they relate to the role of the teacher. Special problems related to the effect of cultural and economic factors will also be included. (Credit may not be earned for this course if credit is earned in EDP 3324.)

**EDP 3327 Assessment Theory and Exceptionality (3)**

A study of the process of collecting data for the purpose of assessing individual differences and making decisions about the education of exceptional students.

**EDP 3330 Early Childhood Intervention (ECI): An Interdisciplinary Approach (3)**

An introductory course in child development is recommended as a prerequisite. Family-centered, interdisciplinary services for young children at-risk for developmental disabilities. Students will study the history, rationale, controversies, and current best practices within the field of early intervention.

**EDP 3334 Collaborative Consultation in Special Education (3)**

Pre-requisite(s): EDP 2360; EDP 3470; EDP 3368; EDP 3660 and EDP 4352

A course emphasizing collaborative consultation processes with parents, teachers, support personnel, school administrators and students. Includes twenty hours of field experiences.

**EDP 3361 Developmental Disabilities (3)**

In this course a review of normal human development provides the basis for an in-depth study of the etiology, characteristics, treatment, and prevention of developmental disabilities including autism, cerebral palsy, learning disabilities, intellectual disabilities, and seizure disorders.



**EDP 3362 Teaching Associate Special Education Part II (3)**

Co-requisite(s): EDP 3379

Pre-requisite(s): EDP 3660 This practicum provides a field experience in the assessment, education, and management of students with moderate, severe, and profound disabilities

**EDP 3368 Assessment of Students with Mild Disabilities (3)**

Co-requisite(s): EDP 3470

Pre-requisite(s): EDP 2360

A course focusing on formal and informal assessment currently used in special education for students with mild disabilities. The completion of a case study requiring the administration, scoring, and interpretation of individual assessments is included.

**EDP 3376 Applied Behavior Analysis (3)**

Analysis and management of problem behaviors. Emphasized topics include behavior measurement techniques, functional assessment procedures, and behavior intervention methods.

**EDP 3379 Education of Students with Moderate-Severe Disabilities (3)**

Co-requisite(s): EDP 3362

Emphasis is on specially designed instruction and assessment of individuals with moderate to severe disabilities from infancy to adulthood including teaching techniques, assistive technology, and transition.

**EDP 3470 Literacy for Students with Special Needs (4)**

Co-requisite(s): EDP 3368

Pre-requisite(s): EDP 2360

A lab-based course involving application of methods for teaching oral/written language and reading to students with special needs. Includes sixty hours of field experience.

**EDP 3650 Teaching Associate Gifted Education Part I (6)**

Pre-requisite(s): Credit or concurrent enrollment in EDP 2350; and EDP 3324, and EDP 3326

In this course, teacher candidates teach small groups of gifted and talented and general education students within a specific disciplinary area that matches their certificate areas. The practicum consists of 97.5 hours in a professional development or partner school (7.5 hours per week). Teacher candidates will work with small and large groups of students. Course includes a weekly seminar.

**EDP 3660 Teaching Associate Special Education Part I (6)**

Pre-requisite(s): EDP 2360, EDP 3470, EDP 3368, and EDP 4352

A practicum of one hundred hours providing experience in adapting instruction for learners with special needs within the general education classroom. Students learn how to manage behavior, adapt lessons, individualize instruction, and correlate multi-level materials in a field-based setting. Course includes a weekly seminar.

**EDP 4341 The Adult Learner (3)**

Characteristics of the young and mature adult learners with an emphasis on intellectual and social development. An analysis of theories of adult learning is included.

**EDP 4350 Introduction to Gifted Education (3)**

Introduces students to policies, theories, and models of gifted education including talent development and advanced academic programs from elementary school through high school. Students learn specialized approaches to teaching consistent with the goals of gifted education, honors programs, and advanced academics.

**EDP 4351 Differentiated Instruction (3)**

Pre-requisite(s): EDP 2350 or EDP 2360

Historical, philosophical, and theoretical background of curriculum differentiation and specific strategies to adapt instruction for individual student differences related to rate, content, and preferences. Emphasis on best practices in differentiated instruction as demonstrated by empirical research.

**EDP 4352 Exceptionalities (3)**

Pre-requisite(s): EDP 2350 or EDP 2360 or consent of instructor

Historical foundations, laws, policies, and issues regarding definitions and the identification of individuals with exceptional learning needs, including those from culturally and linguistically diverse backgrounds.

**EDP 4379 Education of Students with Moderate-Severe Disabilities (3)**

Co-requisite(s): EDP 4377

Pre-requisite(s): EDP 3376 and admission to teacher education

Types, characteristics, etiologies, education and treatment of individuals with moderate to severe disabilities from infancy to adulthood.

**EDP 4383 Adapting Instruction for Special Needs Learners (3)**

Co-requisite(s): EDP 4378

Pre-requisite(s): EDP 3376 and admission to teacher education; EDP 4378

Students acquire various methods for adapting for learner differences within the general education classroom including redesigning direct teaching lessons, developing assessment tasks, correlating multi-level activities, individualizing, and mastery learning. Emphasis will be placed on strategies for classroom organization and management such as grouping, scheduling, room arrangement, and record keeping.

**EDP 4468 Math for Learners with Special Needs (4)**

Pre-requisite(s): EDP 2445 and admission to teacher education

A field-based course involving application of direct instruction methods in mathematics to students with a variety of learning needs. Emphasis is placed on analyzing and sequencing the essential elements of mathematics to facilitate mastery. Includes sixty hours of field experience in a multicultural setting.

**EDP 4650 Internship Gifted and Talented Part I (6)**

Co-requisite(s): EDP 4651

Pre-requisite(s): Grade of B or better in EDP 3650 and EDP 2350

Full-time teaching experience in a classroom with specific emphasis on gifted and talented students. A mentor teacher and resident faculty will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes two eighty-minute seminars per week.

**EDP 4651 Internship for Gifted and Talented Part II (6)**

Co-requisite(s): EDP 4650

Pre-requisite(s): Grade of B or better in EDP 3650 and TED 3651

Planning and preparing lessons and materials for full-time teaching with specific emphasis on gifted and talented students. Include completion of content modules, conferencing with mentor teacher and university instructor, written lesson reflections, observation of lessons taught by master teachers, and preparation of web-based portfolio.

**EDP 4660 Internship Special Education Part I (6)**

Co-requisite(s): EDP 4661

Pre-requisite(s): Grade of B or better in EDP 3660

Full-time teaching experience in a professional development school with students who have special learning needs. A special education mentor teacher and resident faculty will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes two eighty-minute seminars per week.



**EDP 4661 Internship Special Education Part II (6)**

Co-requisite(s): EDP 4660

Pre-requisite(s): Grade of B or better in EDP 3660

Planning and preparing lessons and materials for full-time teaching of students with special needs. Includes completion of content modules, conferencing with mentor teacher and university instructor, written lesson reflections observation of lessons taught by master teachers, and preparation of web-based portfolio.

**EDP 4662 Internship Special Education Part III (6)**

Co-requisite(s): EDP 4663

Pre-requisite(s): Grade of B or better in EDP 3660 and EDP 3661

Continuation of EDP 4660 and EDP 4661.

**EDP 4663 Internship Special Education Part IV (6)**

Co-requisite(s): EDP 4662

Pre-requisite(s): Grade of B or better in EDP 3660 and EDP 3661

Continuation of EDP 4660 and 4661.

**EDP 4V75 Practicum: Teaching in Today's Schools (1-6)**

Pre-requisite(s): Consent of instructor

A practicum for students in the two-semester professional development school cohort. The course provides supervised practice in all student teacher proficiencies. This experience includes practice in: classroom organization and management, assessment, planning/delivery of instruction, adapting instruction for individual needs, collaboration technology and professionalism. A minimum of 40 hours of experience is required for each hour of credit.

## Leadership Development (LDS)

**LDS 1301 Introduction to Leadership (3)**

Provides insights into a student's present leadership strengths and developmental needs. Prepares students for leadership positions, focusing on topics such as a philosophy of leadership, the role of power and authority in leadership, and goal setting for leadership development.

**LDS 2301 Leadership and Vocation (3)**

Pre-requisite(s): LDS 1301

This course explores personal strengths, values and aspirations for influencing the world through a unique vocation or calling. Through this experience, students will become committed to their own personal growth as a human being, as well as to the personal growth of others in the class. In addition, applications of a variety of historical and contemporary perspectives on vocation and calling will be emphasized.

**LDS 3301 Organizational Leadership (3)**

This course is designed for student leaders with a desire to explore organizational theory and systems. The course will further develop a student's understanding of how these systems and theories influence culture, behaviors, and organizational effectiveness. Students will examine their own leadership styles and how that approach fits into the organization, its members, and mission.

**LDS 3302 Christian Leadership in Residential Communities (3)**

The purpose of this class is to explore how Christian Leadership can be used to develop residential communities. Specifically, we will explore how authentic Christian community is formed by leaders who employ techniques related to spiritual wellness, God-given strengths, relational approaches, inclusivity, and other aspects of community development. Using the Community Leader position at Baylor University as an experiential framework, this class will provide both philosophical and application opportunities to hone a student's ability to be a Christian leader of communities.

**LDS 3304 Peer Leadership for Health and Wellness (3)**

This course uses an experiential pedagogy to broaden students' development as leaders. Experiential learning provides a comprehensive approach to learning that integrates theory, practice, implementation, and reflection. Through your experience as peer leaders you will be challenged to examine your understanding of leadership, as well as reflect on your own leadership and that of others. In the Health and Wellness Leadership course specifically, students will gain a broad understanding of current health topics of college students and ways to properly address and respond to these topics in both a presentation and mentoring setting.

**LDS 3305 Peer Leadership for Community Engagement and Service (3)**

This course uses an experiential pedagogy to broaden students' development as leaders; a comprehensive approach to learning that integrates theory, practice, implementation and reflection. Through experience as a peer leader, students will examine their understandings of leadership, and reflect on their own and other's leadership development.

**LDS 3306 Peer Leadership for Student Experience (3)**

This course uses an experiential pedagogy to broaden students' development as leaders; a comprehensive approach to learning that integrates theory, practice, implementation and reflection. Through experience as a peer leader, students will examine their understandings of leadership, and reflect on their own and other's leadership development.

**LDS 3307 Leadership and Student Thriving (3)**

This course explores the topic of leadership by examining ideas about people at their best. Foundational to the course are principles from Positive Psychology about well-being, optimal functioning and thriving during the college years, as well as approaches to leadership that leverage individual strengths and passions. The class will focus on six themes: thriving in college and beyond, understanding yourself, leading yourself, understanding others, engaging in community, and living out leadership and calling.

**LDS 3308 Interfaith Leadership (3)**

This course will explore theoretical and practical issues related to leadership across and inclusive of different faiths. We will discuss various civic and spiritual practices related to leadership and religious identity. Students will consider their own sense of formation and worldview through reading, writing, class discussion, and co-curricular experiences in order to cultivate spiritual growth, civic capacity, and intercultural skills.

**LDS 3309 Mental Health Peer Leadership (3)**

This course uses experiential learning to educate Mental Health Peer Leaders on the pertinent topics of mental health and illness and to equip them to break down mental health stigma and empower their peers to also challenge negative beliefs or attitudes.

**LDS 3310 Talent and Development (3)**

Pre-requisite(s): LDS 2301 or CCS 2301

Talent, development, and success are fascinating topics, but few understand the theory and research behind what leads to excellence in any field. This course examines the science, theory, and research behind talent, development, success, critical thinking, and expertise. Students will learn what is known and unknown by scholars about these phenomena, as well as pathways for developing talent in themselves and others.

LDS 3311 Leadership Through Informed Engagement (3)

Pre-requisite(s): LDS 2301 or CCS 2301  
This interdisciplinary course is designed to engage students in a critical conversation about leadership and community engagement. It challenges students to reflect on their understanding of leadership, community engagement, and the intersection of the two. Students will engage in this discussion drawing specifically on their experiences as a Baylor student. They will participate in critical discussions about what it means to participate in informed engagement.

LDS 3312 Leadership for 21st Century America (3)

Pre-requisite(s): LDS 2301 or CCS 2301  
This course will address the changing demographics of our global community of the 21st century. The future of leadership will be complex in terms of practices that are impacted by a changing diversity of "world citizens" and it will demand an understanding of geographic, economic, cultural, political, religious, and linguistic mediums. This course will address these skills and areas of knowledge.

LDS 3370 Aviation Leadership (3)

See AVS 3370 for course information.

LDS 3V01 Special Topics in Leadership (1-6)

Pre-requisite(s): LDS 1301  
Each Special Topics in Leadership course will focus on a specific area of leadership (e.g. Women in Leadership or Leadership in a Multicultural Society). May be repeated under different topic for a total of 9 credit hours.

LDS 4398 Advanced Leadership (3)

Pre-requisite(s): LDS 1301 or LDS 2301 or LDS 3V01  
Leadership course focusing on advanced leadership theories and applying those theories in leadership practice.

Educational Psychology Minor

The minor in Educational Psychology is an interdisciplinary undergraduate minor. The rationale for the minor is to provide undergraduate students an option to cluster courses in the area of *adult learning and development*.

The minor is 18 hours (or 6 courses), and must include the 3 courses in Educational Psychology (EDP) listed below, and any 3 courses listed below from the Department of Communication (CSS) and/or Department of Management (MGT).

| Code  | Title                                  | Hours |
|---|--|-------|
| Educational Psychology (EDP) Courses  |  |       |
| Must take:  |  |       |
| EDP 2336  | The Developing Child                   | 3     |
| EDP 3324  | Learning and Development               | 3     |
| EDP 3361  | Developmental Disabilities             | 3     |
| Communication or Management Department Courses  |  |       |
| Select three courses from the Department of Communication and/or Department of Management |  | 9     |
| Communication Department Courses (CSS)  |  |       |
| May take any course of interest:  |  |       |
| CSS 3310  | Communication Theory                   |       |
| CSS 3311  | Interpersonal Communication            |       |
| CSS 4301  | Organizational Communication           |       |
| CSS 4302  | Communication Training and Development |       |
| CSS 4303  | Leadership and Communication           |       |

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| CSS 4311                            | Conflict and Communication           |
| CSS 4313                            | Communication and the Family         |
| Management Department Courses (MGT) |                                      |
| May take any course of interest:    |                                      |
| MGT 3305                            | Leadership & Organizational Behavior |
| MGT 4305                            | Principled Leadership                |
| MGT 4320                            | Negotiating and Conflict Resolution  |
| MGT 4336                            | Human Resource Management            |
| Total Hours                         | 18                                   |

Leadership Studies Minor

| Code   | Title  | Hours |
|--|--|-------|
| Leadership Studies Core                              |  |       |
| Select the following Educational Leadership courses: |  |       |
| LDS 1301   | Introduction to Leadership   | 3     |
| LDS 2301   | Leadership and Vocation (linking theory to profession or discipline) | 3     |
| LDS 4398   | Advanced Leadership (capstone course)                                | 3     |
| Leadership Studies Electives                         |  |       |
| Select nine hours from approved list of courses      |  | 9     |
| Total Hours  |  | 18    |

Leadership Studies Elective Examples

| Code     | Title  | Hours |
|----------|--|-------|
| ANT 4311 | World Food Problems                                  | 3     |
| AS 3301  | Leading People and Communicating Effectively I       | 3     |
| AS 3302  | Leading People and Communicating Effectively II      | 3     |
| AS 4301  | National Security                                    | 3     |
| AS 4302  | Preparation for Commissioning                        | 3     |
| BIO 4331 | Science Leadership: Community-Based Research         | 3     |
| BIO 4333 | Science Leadership: Improvement of Science Education | 3     |
| CSS 4303 | Leadership and Communication                         | 3     |
| CSS 4311 | Conflict and Communication                           | 3     |
| ENG 3375 | Post-Colonial Literature                             | 3     |
| ENV 4307 | Environmental Law                                    | 3     |
| ENV 4310 | World Food Problems                                  | 3     |
| ENV 4332 | Science Leadership: Community Environmental Research | 3     |
| GTX 3350 | Great Texts in Leadership                            | 3     |
| HIS 3371 | History of Black Americans                           | 3     |
| HIS 4313 | War and Peace in the Middle East                     | 3     |
| HIS 4375 | The American Civil Rights Movement                   | 3     |
| HIS 4377 | History of the American Woman, 1600-1865             | 3     |
| HIS 4378 | History of the American Woman Since 1865             | 3     |
| HIS 3301 | Internship in History                                | 3     |
| PPS 2301 | Leadership and Social Change                         | 3     |
| PSC 3314 | Politics and Problems of Developing Countries        | 3     |

|          |  |   |
|----------|--|---|
| PSC 4330 | Urban Political Processes  | 3 |
| PSC 4385 | Diplomacy in Theory and Practice   | 3 |
| PSC 3322 | American Public Policy   | 3 |
| PSY 3314 | Industrial/Organizational Psychology                                     | 3 |
| PSY 3425 | Group Processes  | 4 |
| REL 4397 | Race, Racism, and Religion in America                                    | 3 |
| REL 4374 | Leadership in Ministry   | 3 |
| REL 3390 | Christian Ethics   | 3 |
| REL 3394 | War and Peace in the Christian Tradition                                 | 3 |
| REL 4315 | Topics in New Testament Studies  | 3 |
| SOC 4395 | Aging and Mental Health  | 3 |
| SOC 3355 | Introduction to the Economics of Poverty and Discrimination              | 3 |
| SOC 3322 | City and Community   | 3 |
| SOC 3354 | Marriage and the Family  | 3 |
| SOC 3330 | Women in American Society  | 3 |
| SOC 3311 | The Sociology of Race and Ethnicity                                      | 3 |
| SOC 4366 | Social Movements   | 3 |
| SOC 4315 | Sociology of Education   | 3 |
| SOC 4353 | Sociology of Medicine  | 3 |
| SWO 4315 | Foundations for Social Justice   | 3 |
| SWO 4322 | Social Policy for Social Work Practice                                   | 3 |
| SWO 3305 | Introduction to Gerontology  | 3 |
| SWO 4393 | Sociology of Aging   | 3 |
| SWO 4395 | Aging and Mental Health  | 3 |
| ENT 3301 | Entrepreneurship: Living and Learning                                    | 3 |
| ENT 4353 | Social Entrepreneurship and Economic Development                         | 3 |
| ENT 4380 | Social Entrepreneurship: Microfinance and Economic Development in Africa | 3 |
| BUS 3350 | Christian Ethics Applied to Business                                     | 3 |
| MGT 3305 | Leadership & Organizational Behavior                                     | 3 |
| MGT 4305 | Principled Leadership  | 3 |
| BUS 3303 | Managerial Communications  | 3 |
| MKT 4310 | Sales Force Management/Leadership  | 3 |
| FCS 4357 |  | 3 |
| FCS 4340 |  | 3 |
| NUR 4353 | Community and Culture  | 3 |
| NUR 4341 | Nursing Professional Development: Leadership and Management              | 3 |
| RLS 4396 | Considerations for Diverse Populations in Leisure Programming            | 3 |
| LDS 3301 | Organizational Leadership  | 3 |
| LDS 3302 | Christian Leadership in Residential Communities                          | 3 |
| LDS 3304 | Peer Leadership for Health and Wellness                                  | 3 |
| LDS 3305 | Peer Leadership for Community Engagement and Service                     | 3 |
| LDS 3306 | Peer Leadership for Student Experience                                   | 3 |
| LDS 3307 | Leadership and Student Thriving  | 3 |
| LDS 3308 | Interfaith Leadership  | 3 |
| LDS 3309 | Mental Health Peer Leadership  | 3 |
| LDS 3310 | Talent and Development   | 3 |

|          |  |     |
|----------|--|-----|
| LDS 3311 | Leadership Through Informed Engagement | 3   |
| LDS 3V01 | Special Topics in Leadership           | 1-6 |
| TED 3380 | Social Issues in Education             | 3   |
| SIC 4V98 | Special Topics in Social Innovation    | 1-4 |

## Informal Education Minor

The minor in Informal Education, which includes a practicum experience, provides an option for undergraduate students to have the opportunity to explore the potential for a career in informal education and/or the possibilities for schools to build stronger partnerships with informal sites (which includes museums, zoos, historical sites, state/national parks, etc.). It is a joint program offering in the Department of Curriculum and Instruction in the School of Education and the Department of Museum Studies in Arts and Sciences. The minor requires a total of 18 semester hours, with 9 hours of Museum Studies courses, 6 hours of Education courses, and one 3-hour course that is a collaborative/joint course offering that includes a practicum.

| Code                                 | Title                          | Hours     |
|--------------------------------------|--------------------------------|-----------|
| <b>Museum Studies Courses</b>        |                                |           |
| MST 1300                             | Introduction to Museums        | 3         |
| MST 2303                             | Museum Educational Programming | 3         |
| Select one course from MST offerings |                                | 3         |
| <b>Education Courses</b>             |                                |           |
| EDP 2336                             | The Developing Child           | 3         |
| EDC 53xx                             | Pending Approval               | 3         |
| EDC 53xx                             | Pending Approval               | 3         |
| <b>Total Hours</b>                   |                                | <b>18</b> |

## BA/BS Biology - Secondary Education Concentration

| Course                | Title                                  | Hours     |
|-----------------------|--|-----------|
| <b>Sophomore Year</b> |  |           |
| <b>Fall or Spring</b> |  |           |
| TED 3380              | Social Issues in Education             | 3         |
| TED 3180              | Social Issues in Education Lab         | 1         |
| <b>Hours</b>          |  | <b>4</b>  |
| <b>Junior Year</b>    |  |           |
| <b>Fall or Spring</b> |  |           |
| TED 3342              | School and Classroom Environment       | 3         |
| TED 3641              | Teaching Associate Secondary           | 6         |
| TED 3387              | Secondary Science Practicum I          | 3         |
| <b>Hours</b>          |  | <b>12</b> |
| <b>Senior Year</b>    |  |           |
| <b>Fall or Spring</b> |  |           |
| TED 4640/4641         | Internship Secondary Part I (fall)     | 6         |
| TED 4642/4643         | Internship Secondary Part III (spring) | 6         |
| TED 4325              | Science Curriculum                     | 3         |
| <b>Hours</b>          |  | <b>15</b> |
| <b>Total Hours</b>    |  | <b>31</b> |

## BA/BS History - Secondary Education Minor

| Course                | Title                                  | Hours     |
|-----------------------|--|-----------|
| <b>Sophomore Year</b> |  |           |
| <b>Fall or Spring</b> |  |           |
| TED 3380              | Social Issues in Education             | 3         |
| TED 3180              | Social Issues in Education Lab         | 1         |
| <b>Hours</b>          |  | <b>4</b>  |
| <b>Junior Year</b>    |  |           |
| <b>Fall or Spring</b> |  |           |
| TED 3342              | School and Classroom Environment       | 3         |
| TED 3641              | Teaching Associate Secondary           | 6         |
| TED 3385              | Secondary Social Studies Practicum I   | 3         |
| <b>Hours</b>          |  | <b>12</b> |
| <b>Senior Year</b>    |  |           |
| <b>Fall or Spring</b> |  |           |
| TED 4640/4641         | Internship Secondary Part I (fall)     | 6         |
| TED 4642/4643         | Internship Secondary Part III (spring) | 6         |
| TED 4341              | Social Studies Curriculum              | 3         |
| <b>Hours</b>          |  | <b>15</b> |
| <b>Total Hours</b>    |  | <b>31</b> |

## BA/BS Mathematics - Secondary Education Minor

| Course                       | Title                             | Hours     |
|------------------------------|-----------------------------------|-----------|
| <b>Sophomore Year</b>        |                                   |           |
| <b>Fall or Spring</b>        |                                   |           |
| TED 3380                     | Social Issues in Education        | 3         |
| TED 3180                     | Social Issues in Education Lab    | 1         |
| <b>Hours</b>                 |                                   | <b>4</b>  |
| <b>Junior Year</b>           |                                   |           |
| <b>Fall or Spring</b>        |                                   |           |
| TED 3342                     | School and Classroom Environment  | 3         |
| TED 3641                     | Teaching Associate Secondary      | 6         |
| TED 3383                     | Secondary Mathematics Practicum I | 3         |
| <b>Hours</b>                 |                                   | <b>12</b> |
| <b>Senior Year</b>           |                                   |           |
| <b>Fall or Spring</b>        |                                   |           |
| Select one of the following: |                                   | 6         |
| TED 4640/4641                | Internship Secondary Part I       |           |
| TED 4642/4643                | Internship Secondary Part III     |           |
| TED 4348                     | Secondary Mathematics Curriculum  | 3         |
| <b>Hours</b>                 |                                   | <b>9</b>  |
| <b>Total Hours</b>           |                                   | <b>25</b> |

MTH 3340 Mathematics through Technology may be able to replace CSI 1430 Introduction to Computer Science I with Laboratory. Students will need to petition through the Math Department.

## BS Physics - Secondary Education Concentration

<https://catalog.baylor.edu/undergraduate/school-education/degrees-requirements/minors/bs-physics-secondary-education-concentration>  
(<https://catalog.baylor.edu/undergraduate/school-education/degrees-requirements/minors/bs-physics-secondary-education-concentration/>)

## Health Science Studies - Secondary Science Education Concentration

| Course                | Title                                  | Hours     |
|-----------------------|--|-----------|
| <b>Sophomore Year</b> |  |           |
| <b>Fall or Spring</b> |  |           |
| TED 3380              | Social Issues in Education             | 3         |
| TED 3180              | Social Issues in Education Lab         | 1         |
| <b>Hours</b>          |  | <b>4</b>  |
| <b>Junior Year</b>    |  |           |
| <b>Fall or Spring</b> |  |           |
| TED 3342              | School and Classroom Environment       | 3         |
| TED 3641              | Teaching Associate Secondary           | 6         |
| TED 3387              | Secondary Science Practicum I          | 3         |
| <b>Hours</b>          |  | <b>12</b> |
| <b>Senior Year</b>    |  |           |
| <b>Fall or Spring</b> |  |           |
| TED 4640/4641         | Internship Secondary Part I (fall)     | 6         |
| TED 4642/4643         | Internship Secondary Part III (spring) | 6         |
| TED 4325              | Science Curriculum                     | 3         |
| <b>Hours</b>          |  | <b>15</b> |
| <b>Total Hours</b>    |  | <b>31</b> |

## Integrated Studies

Dr. Joel R. Porter, Director

## Degree Requirements

Minimum 124 hrs.

- A. Minimum: 36 hrs. advanced total with at least 18 hrs. in residence
- B. Minimum: 60 hrs. in residence including the last 30
- C. Admission and Graduation Requirements: 2.0 GPA overall and in major
- D. Students may apply for this degree only after completing 45 hours, 12 of which must be in residence.
- E. No more than three hours in a minor may be in common with the major
- F. After admission, no course in the major may be taken pass-fail.

## Basic Studies

| Code   | Title                           | Hours |
|--|---------------------------------|-------|
| <b>Required Courses</b>                        |                                 |       |
| Select nine semester hours from the following: |                                 | 9     |
| ENG 1302                                       | Thinking and Writing            |       |
| ENG 1304                                       | Thinking, Writing, and Research |       |

|  |   |              |
|--|---|--------------|
| PWR 3300   | Technical Writing   |              |
| ENG 23XX   |   |              |
| <i>Social Science</i>  |   |              |
| Select six semester hours of any PSC, SOC, ANT, GEOG, ECO, PHI, HIS <sup>1</sup>                         |   | 6            |
| <i>Language</i>  |   |              |
| Select three to eight semester hours of language   |   | 3-8          |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience      | 3            |
| REL 1310 & REL 1350  | The Christian Scriptures and The Christian Heritage                                   | 6            |
| Select any MTH, STA or QBA   |   | 3-4          |
| CSS 1301 or CSS 1302   | Fundamentals of Public Communication<br>Speech for Business and Professional Students | 3            |
| <i>Laboratory Science</i>  |   |              |
| Select eight semester hours from BIO, CHE, ENV, GEO, PHY   |   | 8            |
| <i>Fine Arts</i>   |   |              |
| Select two to three semester hours of any art, music, theatre arts, journalism or film and digital media |   | 2-3          |
| <i>Lifetime Fitness</i>  |   |              |
| Select four semesters of any LF <sup>2</sup>   |   | 4            |
| <i>Chapel</i>  |   |              |
| Complete two semesters of Chapel   |   | 0            |
| <b>Total Hours</b>   |   | <b>47-54</b> |

<sup>1</sup> Not PSC 1387 The U.S. Constitution, Its Interpretation, and the American Political Experience

<sup>2</sup> Including PUBH 1145 Health and Human Behavior

## Major

Excludes General Education Requirements

Courses for each section must come from two or more schools, colleges, or departments; maximum 9 hours from any single prefix.

| Code   | Title                                 | Hours     |
|--|---------------------------------------|-----------|
| <b>Required Courses</b>  |                                       |           |
| A complete list of courses for these four areas is available online or through an advisor. |                                       |           |
| Communication  |                                       | 12        |
| Critical Thinking/Reasoning  |                                       | 12        |
| Civic Leadership   |                                       | 12        |
| Christian Perspective  |                                       | 12        |
| <b>Professional Development Seminars</b>   |                                       |           |
| PRD 2101   | Professional Development <sup>1</sup> | 1         |
| <b>Total Hours</b>   |                                       | <b>49</b> |

<sup>1</sup> Two hours per academic year preferred; includes CPD (PRD) work

## Electives

| Code  | Title | Hours        |
|---|-------|--------------|
| <b>Required Courses</b>   |       |              |
| Any additional courses that are needed to reach 124 hours and/or 36 upper level hours |       | 18-27        |
| <b>Total Hours</b>  |       | <b>18-27</b> |

## School of Engineering and Computer Science

### General Information

#### Mission

The mission of the School of Engineering and Computer Science (ECS) is to provide a superior education through instruction, scholarship, and service that prepares graduates for professional practice and responsible leadership with a Christian worldview.

The mission of the School of Engineering and Computer Science results in the following goals:

- To foster an educational environment that promotes students success;
- To support faculty and staff commitment for achievement in teaching, scholarly pursuits, professional development and service contributions;
- To promote Christian values and community;
- To be nationally recognized for quality engineering and computer science programs.

#### History

In 1973, the first computer science faculty member joined the Department of Mathematics to teach and develop programs in computer science; and by 1974, both the Bachelor of Science and the Bachelor of Arts degrees in computer science were offered by the Department of Mathematics.

During the 1978-79 academic year, the University approved the formation of the Institute of Engineering Science to offer an engineering degree within the College of Arts & Sciences. The Institute became operational with its first director in the fall of 1979.

In June 1980, the Computer Science Program in the Department of Mathematics was combined with the Engineering Science Program in the Institute of Engineering Science to form the Department of Engineering and Computer Science. The Department grew rapidly and in February 1982, the Baylor Computer Science Program gained national recognition by winning the International Scholastic Programming Contest.

In 1985, the master of science degree in computer science was offered for the first time at Baylor and, in that same year, the Baylor bachelor of science degree in Computer Science was one of only fifty programs to be accredited by the Computer Science Accreditation Commission, Inc. (CSAC) of the Computer Science Accreditation Board (CSAB), the national accrediting agency for computer science programs.

In the summer of 1988, the Department of Engineering and Computer Science moved into the newly constructed Rogers Engineering and Computer Science Building, which was built specifically to support the engineering and computer science programs. In 1989, the Engineering program was accredited by the Engineering Accreditation Commission



(EAC) of the Accreditation Board for Engineering and Technology (ABET), the national accrediting agency for engineering programs.

The School of Engineering and Computer Science was established in 1995, with its two departments, the Department of Computer Science and the Department of Engineering.

In 1998, the Board of Regents approved the bioinformatics major. The purpose of this multidisciplinary program was to combine computer science with other programs that need to process large amounts of data.

In 2001, EAC/ABET granted separate accreditation of the Department of Engineering's three baccalaureate programs: Electrical and Computer Engineering, Mechanical Engineering, and Engineering.

In 2004, Baylor's Board of Regents approved the introduction of four new masters programs in the Department of Engineering.

The Department of Engineering was reorganized into two departments, the Department of Electrical and Computer Engineering and the Department of Mechanical Engineering, in 2005.

In 2010, the Board of Regents approved the doctoral program (Ph.D.) in Electrical and Computer Engineering.

In 2013, the Board of Regents approved the doctoral program (Ph.D.) in Mechanical Engineering. This same year the General Engineering major was restructured and enhanced to include the choice of four concentrations (biomedical, geo-petro, environmental, and humanitarian engineering) and a minor option.

In 2016, the Computer Science doctoral program (Ph.D.) was approved.

## Facilities

The School of Engineering and Computer Science is housed in several buildings across campus including the Rogers Engineering and Computer Science Building, Hankamer/Cashion Academic Centers, Baylor Sciences Building, Teal Residential College, Baylor Research and Innovation Collaborative, and the Engineering and Computer Science Annex.

## Teal Residential College

Teal Residential College is an intentionally designed living-learning program for students pursuing a degree in Engineering, Computer Science, Informatics, or Nursing. As a member of Teal, students will find a community focused on academic excellence and spiritual growth, a place to build meaningful relationships with other students and faculty, opportunities to engage in leadership outside of the classroom, and exciting programs and events that challenge and support student development. Teal is conveniently located near East Village Dining Commons, McLane Student Life Center, Baylor Sciences Building, and Elliston Chapel. With a variety of residential rooms and common spaces that cater to the lifestyle of an ECS student (media room, tech lab, library, and study spaces), students at Teal have a community supported by a live-in Faculty Steward and full-time staff members who facilitate a positive experience inside and outside of the classroom.

## Career Center

The mission of the Engineering and Computer Science Career Center is to ensure each student has the opportunity and support to achieve their career potential. Our office is committed to the idea that every ECS student at Baylor University will have access to career resources as well as dedicated career professionals based on their specific major. We regularly share information such as job placement, graduate school placement, student career success, average salaries, major employers,

and career profiles of each graduating class to students, staff, faculty and key stakeholders. There is a strong push to actively increase student ownership and engagement in their career success as they move towards graduation. The programs provided by the Baylor University Career Center will facilitate greater connection to employers and Baylor alumni in support of the student's career progression towards internships, full-time employment, and graduate school.

## Laboratory Support

All students taking classes from ECS have access to general computing resources on campus as well as labs and resources available only to ECS students. The school provides computers in laboratory spaces with a full suite of software specific to the Engineering & Computer Science disciplines. Students have access to the labs 24 hours a day, 7 days a week during the semester by using their Baylor ID Card, and some labs are reserved for upper-level students and project work. Wireless internet is available throughout ECS facilities and easy to access power is provided in many of our common areas. Support for ECS computing and technology resources is provided by dedicated full time support staff and a group of student workers.

All Engineering and Computer Science classrooms include full audio-visual capabilities allowing faculty and students the ability to have interactive classroom presentations and to facilitate remote learning as needed.

The Computer Science department maintains computer labs, studio spaces and a collection of Linux servers which are available to students based on the classes in which the student is enrolled. Most labs have similar software allowing students the ability to move around between labs based on class schedules and lab availability. Specific classes have designated meeting times in the lab to allow the faculty member to assist with projects and group work. Several studio spaces are dedicated each semester for use by the Senior Capstone class in which students have full control of the systems to allow them to design and develop their project as needed.

The Engineering departments have seven well equipped labs that support the learning outcomes as well as the hands-on portion of the curriculum. Several of the labs include dedicated hardware for data acquisition, analyzing signals and building components to help the students learn. The departments are also expanding their additive manufacturing capabilities, allowing the students to turn their ideas into reality. Machine shop facilities and a machinist are also available for project and research work.

## Course Repetition

Students taking a course in the School of Engineering & Computer Science will have a maximum of two attempts of any one ECS course to fulfill a prerequisite or requirement for a degree, major, or minor. Students pursuing an ECS major are allowed a maximum of 4 unsuccessful attempts of courses required for the degree to continue in the major. An insufficient earned grade or receiving a "W" notation counts an unsuccessful attempt. A course receiving a "W" notation for a semester in which the student withdraws from all courses is not counted as an unsuccessful attempt. Additional attempts will not be granted except by permission from the student's Dean (or his/her representative).

## Class Attendance Policy

Class attendance is expected at all regularly scheduled course sessions. Faculty members may choose to have class attendance requirements and may also establish penalties for excessive absences or tardiness.

The department chair and dean will endorse the attendance policies outlined in the instructor's syllabus. If an absence is unavoidable, due to a university-sponsored activity, illness, accident, or death in the family, students are expected to make advanced or immediate contact with the faculty member to decide when to complete scheduled assignments and coursework.

## Academic Advisement

To supplement the mentoring that students receive from faculty, they are required to meet with a professional staff advisor each semester before registering for classes. ECS advisors monitor progress toward graduation and make appropriate referrals. An advisor will review academic progress and student success resources with each student, as well as discuss course recommendations for the following semester. Beginning in the student's third year at Baylor, students are required to submit graduation plans to be reviewed by his or her advisor.

## Honor Societies

**Eta Kappa Nu National ECE Honor Society, Kappa Tau Chapter**, Dr. Adam Weaver, Advisor. Eta Kappa Nu, abbreviated HKN, is the national honor society for Electrical and Computer Engineering students. Baylor's group is the Kappa Tau Chapter. Membership is by invitation and is based on a review of the student's high academic record and character. Junior ECE majors in the upper one-fourth, and senior ECE students in the upper one-third, of their respective classes are eligible for consideration and election to HKN.

**Pi Tau Sigma**, Dr. Jonathan Rylander, Advisor, is the international honor society for mechanical engineering students. Baylor's chapter is the Baylor Beta Beta Chapter. Membership is by invitation and is based on a review of the student's high academic record and character. Junior ME majors in the upper one-fourth and senior ME students in the upper one-third of their respective classes are eligible for consideration and election to Pi Tau Sigma.

**Upsilon Pi Epsilon**, Dr. Gregory Speegle, Advisor, is an honorary computer science association that promotes high scholarship and original investigations in the branches of computer science. Membership in the Baylor chapter is composed of individuals whose academic achievements, reputations, and creative abilities deserve recognition. The chapter inducts members twice each year and assists fellow students in their academic pursuits.

## Student Organizations

### Amateur Radio Club at Baylor University

Patrick Hynan, Advisor

The Baylor Amateur Radio Club (BARC) provides educational opportunities for students concerning the scope of amateur radio and radio license acquisition, opportunities for public service during emergencies and local charitable activities, and an operable amateur radio station for members.

### American Society of Mechanical Engineers

Dr. Kenneth Van Treuren, Advisor

Membership in the Baylor University student section of the American Society of Mechanical Engineers is open to all Baylor students who are student members of the American Society of Mechanical Engineers. The purposes of this section are:

1. to acquaint members with the goals and programs of ASME and to encourage participation in the activities of the Society, and

2. to sponsor and promote activities which will enhance the total educational experience of the members.

### Association for Bioinformatics and Biotechnology

Dr. Erich Baker, Dr. Mary Lauren Benton, Advisors

ABB is a student organization dedicated to helping build and foster common interests in Bioinformatics with those in the major and like-minded students. ABB provides members with:

1. a better understanding of Bioinformatics,
2. a network with other students, professors, and professionals in the field, and
3. support for scholarly success.

All these goals are achieved through meetings, attendance of symposia, and other social activities.

### Association for Computing Machinery

Dr. Bill Booth, Advisor

ACM was organized and chartered in 1974. The student chapter assists members in maintaining a close, regular association with fellow students and faculty who are also interested in computing. In addition, the chapter sponsors the Baylor Programming Team which competes in the ACM Regional and ACM International Collegiate Programming Contests. Periodic meetings provide a combination of social interaction, professional dialogue, public service, and professional development. Membership is open to anyone with an interest in computing.

### Baylor Build

Dr. Beth Lanning, Advisor

BUILD turns shipping containers into medical facilities. These will be sent overseas to Rwanda in Africa where 25,000 patients will be seen in a year and will be in use for over 15 years.

### BU Cyber

Dr. Jeff Donahoo and Professor Shaun Hutton, Advisors

BU Cyber is an organization that focuses on fostering a community of individuals interested in cybersecurity, connecting them with industry professionals for future employment, and developing industry-related skills. Infosec is dedicated to helping students gain both the offensive and defensive aspects of cybersecurity. Members of Baylor Infosec have anywhere between no prior cybersecurity knowledge to advanced skills. The Baylor Cybersecurity competition team is composed of our most advanced members of BU Cyber. The goals of the organization are achieved through holding weekly meetings, facilitating hands-on applications, hosting security competitions, and other activities.

### BUV at Baylor University

Dr. Douglas Smith Advisor

Baylor BUV is a humanitarian organization that provides undergraduate engineering students hands-on experience with design and construction of a Basic Utility Vehicle (BUV) for developing countries and mission activities.

### Computing for Compassion

Dr. Jeff Donahoo, Dr. Bill Booth, Advisors

Computing for Compassion (C4C) serves compassion-based ministries through the appropriate application of computing solutions. Such solutions seek to magnify the capabilities of such ministries by solving their most frustrating problems. C4C enables students an opportunity

to apply their technical skills to such mission work, gaining real-world experience along the way.

### **Engineers with a Mission**

Professor Brian Thomas, Advisor

Engineers with a Mission (EM) is a unique Christian organization that envisions and mobilizes engineering students to serve the people of developing countries with their technical skills through appropriate technology projects and mission-oriented trips abroad.

### **Institute of Electrical and Electronics Engineers**

Professor Steven Potter, Advisor

The Baylor University student branch of the IEEE is affiliated with the Institute of Electrical and Electronics Engineers, Inc., an international organization which is the world's largest technical professional society. Through projects, field trips, and meetings, the student branch fosters the professional growth of its members and promotes a closer relationship among students, faculty, and the engineering community. Student membership in the international IEEE organization is open to any student pursuing at least a half-time course of study in engineering, computer science, or a related field. Baylor student branch membership is open to any student member of the IEEE.

### **Microwave Theory and Techniques**

Dr. Charles Baylis, Advisor

The Baylor University Student Branch Chapter of the IEEE Microwave Theory and Techniques Society (MTT-Society) is a subordinate of the international MTT-Society, which promotes "the advancement of microwave theory and its applications, including RF, microwave, millimeter-wave, and terahertz technologies." With support of dedicated faculty and sponsors, the Baylor Chapter of the MTT-Society strives to bring microwave lecturers to the Baylor campus to speak at least once a month, and MTT-Society members get the opportunity to meet these lecturers in a small group setting. Baylor Chapter membership is open to any student who is a registered member of the international IEEE and MTT-Society.

### **National Society of Black Engineers**

Dr. Erik Blair, Advisor

The Baylor Chapter of the National Society of Black Engineers is dedicated to the academic and professional success of African-American engineering students and professionals. NSBE offers its members leadership training, professional development activities, mentoring opportunities, career placement services and more. The NSBE Torch symbolizes the organization's everlasting, burning desire to achieve success in this competitive society and to effect positive change in the quality of life of all people. Collegiate Membership is open to any undergraduate or graduate student enrolled in science, technology, engineering, or math (STEM).

### **Oso eSports**

Patrick Clancy, Advisor

The purpose of Oso eSports is to promote and develop the emergence of eSports at Baylor University, leading to campus unity in video gaming and entertainment. We aim to achieve this purpose through three goals. First, have fun playing video games in order to encourage healthy stress release from rigorous examinations and academic coursework. Second, create a strong gaming and entertainment foundation through this special interest group of dedicated gamers. Third, create and bolster a

competitive electronic sports team in order to compete against other colleges and universities with similar goals and identities.

### **SAE International**

SAE International (formerly the Society of Automotive Engineers) has more than 121,000 members - engineers, business executives, educators, and students from more than 97 countries - who share information and exchange ideas for advancing the engineering of mobility systems. SAE is your one-stop resource for standards development, events, and technical information and expertise used in designing, building, maintaining, and operating self-propelled vehicles for use on land or sea, in air or space. The Baylor University Collegiate Chapter of SAE International is available to all students at Baylor who share a common interest in aerospace, automobiles, commercial vehicles, or motorsports. The organization provides opportunities to grow as an engineer and a professional through company tours, professional speakers, and student competitions. The Baylor Formula SAE team is currently in the process of designing, building, testing, and competing the first of many Formula SAE cars in future of Baylor SAE.

### **Baylor Aero**

Dr. Anne Spence, Advisor

Baylor Aero provides students with an accelerated hands-on experience in mechanical and aerospace engineering. The club competes annually in the intercollegiate SAE Aero Design competition, in which students gain understanding of the aviation sciences and RC electronics through the construction of model aircraft. Summer residents may study rapid prototyping through an annual 3-D printed aircraft competition. The club offers company tours and education seminars throughout the year.

### **Baylor Baja**

Dr. Anne Spence, Advisor

Baylor Baja is a student-led organization that allows engineering students to gain hands-on experience researching, designing, manufacturing, and testing a one-seater, off-road vehicle. The Baja team travels to an annual competition to compete against 100 universities from around the globe and defend design decisions to a panel of professional engineers from various car companies. The experiences available through this club help to round out the education you receive in the classroom and prepare you to be successful whether you want to go into industry or onto graduate school.

### **Society of Plastics Engineers**

Dr. David Jack, Advisor

Baylor University's Chapter of the Society of Plastics Engineers is an interdisciplinary professional organization that provides students an opportunity to learn from and be involved with the 20,000-member international organization of leading engineers, scientists and plastics professionals. This organization provides student members access to knowledge of one of the fastest growing industries as well as professional contacts throughout the profession. This organization not only brings to light the impressive research work of both faculty and students on Baylor's campus pertaining to the plastics industry, but it allows both researchers and interested students on Baylor's campus pertaining to the plastics industry, but it allows both researchers and interested students a chance to interact and form relationships with professions within the industry. The major goals of the organization are: to increase interest in the area of plastics engineering, plastics scientists, and professional careers in the industry; to provide opportunities for students to learn about plastics engineering through organized tours, extra-curricular education sessions, and related events that cover topics

in these areas; and to provide information about career opportunities in the field of plastics engineering.

### **Society of Women Engineers**

Dr. Anne Spence, Advisor

Baylor University's Student Section of the Society of Women Engineers is open to all engineering and computer science students, both male and female. The goals of the section are:

1. to provide education about the challenges facing female engineers,
2. to create a sense of identity and community,
3. to provide resources for women engineers, and
4. to enhance leadership and professional skills.

These goals are achieved through mentoring relationships, presentations, field trips, and other activities.

### **Theme Park Engineering and Design at Baylor University**

Dr. Jill Klentzman, Advisor

BTPED is a student organization open to all majors and those interested specifically in theme parks. The purpose of this organization is

1. to develop creative thinking, teamwork, communication and friendships while representing Baylor in the Walt Disney Imaginations competition and in the theme park and entertainment industry
2. create professional, educational, and networking opportunities for students through exposure to the industry and participation in experience-building activities, and
3. expose members to resources furthering their knowledge concerning engineering and design.

The major goals of BTPED are: uniting Baylor undergraduates, encouraging creativity, problem solving and cooperation between majors as well as entering the Walt Disney ImagiNations competition.

### **Theta Tau**

Dr. Elon Terrell, Advisor

Theta Tau is the oldest, largest, and foremost Fraternity for Engineers. Since its founding at the University of Minnesota in 1904, over 35,000 have been initiated over the years. With emphasis on quality and a strong fraternal bond, the Fraternity has chapters only at ABET accredited schools and limits the number of student members in any one of its chapters across the nation. The purpose of Theta Tau is to develop and maintain a high standard of professional interest among its members, and to unite them in a strong bond of fraternal fellowship. Activities carried out by Theta Tau include hosting professional industry speaker talks, faculty research and graduate school talks, social events for members, community service philanthropy, providing tours around the engineering school for incoming freshman, and any activity the fraternity feels will best serve Baylor ECS and its students. The national fraternity provides powerful networking opportunities and the ability to connect with many professional and technical individuals and materials that can help jump-start a young engineer's professional career.

### **Virtual Reality (VR) Club at Baylor University**

Dr. Dan Shafer and Tanner Osborne, Advisors

The Baylor VR Club is an organization that revolves around four things: Meeting, Developing, Competing and Streaming. The Baylor VR Club hosts monthly meetings that allow all members to experience different aspects of VR. Meetings typically have a theme such as bringing in

a company or hosting a tournament. For development, the Baylor VR Club is currently working with the Baylor Library System to develop a VR museum. The team is part of the Oculus Start Program. Additionally, the Baylor VR Club is a part of CVRE, a collegiate VR eSports league. We compete against other schools such as UC Berkeley and Miami. Finally, the Baylor VR Club streams its events and has a commentated stream every Thursday Night.

### **Women in Computer Science**

Professor Cindy Fry, Advisor

Baylor's Women in Computer Science (WiCS) is available to all female majors in the Department of Computer Science as well as to other females in STEM fields at Baylor. WiCS is designed to promote community among female computer science majors through discussion and reading groups, in addition to Q&A sessions with professional women in tech industries. In addition to developing community, WiCS is designed to limit attrition among females in the major. Through intentional peer mentorships, 1-2 upper-division females will meet periodically with 2-3 students to talk about courses, challenges, perseverance, and internship/job opportunities with Computer Science.

### **Student Awards**

In addition to numerous campus awards for which engineering and computer science students are eligible, the faculty of the School of Engineering and Computer Science present the following departmental awards:

#### **Computer Science**

##### **The Patrick J. Keane Outstanding Computer Science Senior Award**

This award recognizes high scholastic achievement and service. This award is presented annually by the faculty of the Department of Computer Science to a graduating computer science student with a high GPA and a distinguished record of service to the Department of Computer Science.

##### **The Outstanding Computer Science Scholar Award**

This award is presented annually to the graduating senior in computer science who ranks highest in the class.

##### **The Outstanding Service Award**

This award is presented annually to the graduating computer science major with a distinguished record for service to the Department of Computer Science and Baylor University.

##### **The Outstanding Graduate Assistant Award**

This award is presented annually to a graduate assistant in computer science with a distinguished record for service to the Department of Computer Science.

##### **The Outstanding Bioinformatics Senior Award**

This award recognizes high scholastic achievement and service. This award is presented annually by the faculty of the Department of Computer Science to a graduating bioinformatics student with a high GPA and a distinguished record of service.

##### **Outstanding Undergraduate Research Award**

This award recognizes an undergraduate with extraordinary research achievements or activities, scientific impact, or other advancements in computer science fields and disciplines.



**Electrical & Computer Engineering****The Outstanding Student Award**

This award is presented to a junior or senior Electrical and Computer Engineering student who demonstrates strong scholastic achievement, involvement, and service.

**The Outstanding Scholar Award**

This award is presented to a junior or senior Electrical and Computer Engineering student for high scholastic achievement.

**The Outstanding Leadership and Service Award**

This award is presented to a junior or senior Electrical and Computer Engineering student with a distinguished record of leadership and/or service to the department, university, and community.

**The Outstanding Research Contribution Award**

This award is presented to a junior or senior Electrical and Computer Engineering student for productivity as a researcher in a faculty laboratory or on an undergraduate research project.

**The Outstanding Graduate Teaching/Assistant Award**

This award is presented to a graduate Electrical and Computer Engineering student for significant contributions to course development or delivery and/or a distinguished record of teaching.

**Engineering****The Outstanding Senior Award**

This award is presented annually to a graduating student with a high GPA, significant contribution to the senior design project, and a distinguished record of service to the School of Engineering and Computer Science and beyond.

**Mechanical Engineering****The Outstanding Scholar Award**

This award is presented to a junior and/or senior Mechanical Engineering student in recognition of high scholastic achievement.

**The Outstanding Leadership and Service Award**

This award is presented to a junior and/or senior Mechanical Engineering student with a distinguished record of leadership and/or service to the department, university, and community.

**Scholarships**

The scholarships listed below are available to continuing students in the School of Engineering and Computer Science. The application for these funds is sent to students via email during the spring semester and are awarded typically by May 1st. Current Pre-engineering, Computer Science, and Bioinformatics students are eligible to apply for departmental funds through a separate application process during the spring semester. Information about that process can be found at [www.ecs.baylor.edu/scholarships](http://www.ecs.baylor.edu/scholarships) (<http://www.ecs.baylor.edu/scholarships/>).

**Chairs**

McCollum Family Chair in Data Sciences

Mearse Endowed Chair in Biological and Biomedical Engineering

**Scholarships**

Anonymous Endowed Scholarship Fund in Engineering

Brian & Julie Bammel Family Endowed Scholarship Fund in Electrical & Computer Engineering

Dr. James D. Bargainer, Jr. Endowed Scholarship Fund in Engineering

Baylor Engineering Alumni & Faculty Endowed Scholarship Fund

Baylor University Association of Computer Machinery Scholarship Fund

Dr. Walter Bradley Polymers & Materials ECF

Capstone Mechanical Endowed Scholarship Fund

Steve B. & Penny Flowers Carlile Endowed Scholarship Fund in Engineering

Shannon Casteel Memorial Endowed Scholarship Fund in Engineering & Computer Science

Central Texas Chapter of the Society of Professional Engineers Scholarship Fund

Computer Science Endowed Scholarship

Brad C. & Alison F. Crawford Endowed Scholarships Fund in Engineering

Jennifer and Hal Elrod Endowed Scholarship Fund in Computer Science Engineering Scholarship Fund

Engineering & Computer Science Scholarship Fund

Estes Family Endowed Scholarship Fund

ExxonMobil Employees Endowed Scholarship Fund

Charles "Court" Franklin Memorial Endowed Scholarship Fund in Mechanical Engineering

Dr. Donald Gaitros Endowed Scholarship Fund in Computer Science

John & Ann Iler Endowed Scholarship Fund

Roy L. & Betty Jacobs Endowed Scholarship Fund

Dr. Benjamin S. Kelley Endowed Scholarship Fund for the School of Engineering & Computer Science (Sponsored by the ECS Board of Advocates)

L-3 Endowed Scholarship Fund in the School of Engineering & Computer Science

Fred Logan Endowed Scholarship Fund in Engineering

Jim & Marian Lord Endowed Scholarship Fund in Engineering & Computer Science

Dr. Cedric & Ann Lowrey Endowed Scholarship Fund in Engineering

Jennifer and Ryan Malone Endowed Scholarship Fund

William Eldon Mearse Family Endowed Scholarship Fund

Mark & Carol Measures Endowed Scholarship Fund

Neill Morris Memorial Scholarship Fund

R. Bryan Nichols Estate Scholarship Fund

Dr. & Mrs. James Nolen Endowed Computer & Engineering Science Scholarship Fund

Dr. Harold E. & Patricia A. Rafuse Endowed Scholarship Fund

Marcie & Don M. Roberts Baylor Alumni Endowed Scholarship Fund

Shawn & Julia Sedate Endowed Scholarship Fund in Engineering & Computer Science

Trent & Sue-Lynn Voigt Endowed Scholarship Fund in Computer Science

W. James Wilkinson & Sarah Harvey Wilkinson Endowed Scholarship Fund in Engineering & Computer Science

Willis Family Endowed Scholarship Fund for the Baylor I5 Program

Willis Family Endowed Scholarship Fund in the School of Engineering & Computer Science

David & Nancy Hidy Wilson Scholarship Fund

**Graduate Programs in the School of Engineering and Computer Science****I. Master of Science**

Biomedical Engineering

Computer Science

Electrical and Computer Engineering

Mechanical Engineering

**II. Professional Degree**

Master of Engineering

**III. Joint Graduate Degree**

Master of Business Administration/Master of Engineering

**IV. Doctor of Philosophy**

Computer of Science

Electrical and Computer Engineering



Mechanical Engineering

#### V. Joint Undergraduate/Graduate Degrees

Electrical and Computer Engineering Joint Program B.S.E.C.E./  
M.S.E.C.E.

Electrical Computer Engineering/Biomedical Engineering B.S.E.C.E./  
M.S.B.M.E.

Electrical Computer Engineering/Master of Engineering B.S.E.C.E./  
M.E.

Mechanical Engineering Joint Program B.S.M.E./M.S.M.E.

Mechanical Engineering/Biomedical Engineering B.S.M.E./M.S.B.M.E.

Mechanical Engineering/Master of Engineering B.S.M.E./M.E.

### Engineering Registration (P.E.)

The engineering faculty encourage students to seek registration or licensure as professional engineers (P.E.) during their careers. Consequently, students are encouraged to take the National Council of Examiners for Engineering and Surveying's (NCEES) Fundamentals of Engineering (FE) exam prior to graduation. This test, a comprehensive knowledge exam given nationally, is the first step toward professional registration. Baylor engineering seniors have had an excellent pass rate for this exam.

### Accreditation

The Bachelor of Science in Computer Science (B.S.C.S.) degree program is accredited by the Computing Accreditation Commission of ABET.

The following degree programs are accredited by the Engineering Accreditation Commission of ABET (<http://www.abet.org>):

- Bachelor of Science in Electrical and Computer Engineering (B.S.E.C.E.)
- Bachelor of Science in Engineering (B.S.E.)
- Bachelor of Science in Mechanical Engineering (B.S.M.E.)

## School of Engineering and Computer Science Faculty and Staff

| Name                          | Title  |
|-------------------------------|--|
| Erich J. Baker, Ph.D.         | Interim Dean                                     |
| Michael W. Thompson, Ph.D.    | Associate Dean for Undergraduate Programs        |
| Kenneth Van Treuren, D. Phil. | Associate Dean of Research & Faculty Development |

## Department of Computer Science

Gregory J. Hamerly, Ph.D., Interim Department Chair

William A. Booth, Ph.D., Assistant Chair

G. Michael Poor, Ph.D., Graduate Program Director

Matthew H. Aars, M.S.

Michael A. Aars, M.S.

Mary Lauren Benton, Ph.D.

Tomas Cerny, Ph.D.

Michael J. Donahoo, Ph.D.

Matthew W. Fendt, Ph.D.

Cynthia C. Fry, M.S.

Henry Han, Ph.D., Endowed Chair of Data Science

Shaun Hutton, M.Div., M.C.S.

Peter M. Maurer, Ph.D.

William B. Poucher, Ph.D.

Pablo Rivas, Ph.D.

Eunjee Song, Ph.D.

Gregory D. Speegle, Ph.D.

Sharon L. Humphrey, Graduate Program Coordinator

Candace Ditsch, Office Manager

## Department of Electrical and Computer Engineering

Kwang Y. Lee, Ph.D., P.E., Chair

Scott Koziol, Ph.D., Assistant Chair

Keith E. Schubert, Ph.D., Graduate Program Director

Emmanuel Agamloh, Ph.D.

Charles P. Baylis, Ph.D.

Enrique (Erik) Blair, Ph.D.

Liang Dong, Ph.D.

William (Mack) Grady, Ph.D., P.E., Fellow of IEEE

Ian A. Gravagne, Ph.D.

Jonathan Hu, Ph.D.

Seunghyun Kim, Ph.D.

Vincent W. Leung, Ph.D.

Yang Li, Ph.D.

Robert J. Marks II, Ph.D., Fellow of IEEE, Fellow of OSA

Linda J. Olafsen, Ph.D.

Steven P. Potter, M.S.

J. Brian Thomas, M.S.

Michael W. Thompson, Ph.D.

Annette von Jouanne, Ph.D., P.E., Fellow of IEEE

Adam Weaver, M.S.

Michelle L. Aars, Office Manager

Minnie R. Simcik, Graduate Program Coordinator

## Department of Mechanical Engineering

Paul I. Ro, Ph.D., Chair

Anne Spence, Ph.D., Assistant Chair, Fellow of ASME

Stephen T. McClain, Ph.D., P.E., Graduate Program Director

Paul G. Allison, Ph.D., Fellow of ASME

Joseph Donndelinger, M.S.

Trevor J. Fleck, Ph.D.

Brian A. Garner, Ph.D.

David (Stanton) Greer, M.S.

David A. Jack, Ph.D.

Lulin Jiang, Ph.D.

J. Brian Jordon, Ph.D.

Benjamin S. Kelley, Ph.D., P.E.

Jill Klentzman, Ph.D.

Yue (Stanley) Ling, Ph.D.

Byron P. Newberry, Ph.D., P.E.

Min Young Pack, Ph.D.

Jonathan Rylander, Ph.D.

Abhendra Singh, Ph.D.

Carolyn T. Skurla, Ph.D., P.E.

Douglas Smith, Ph.D., P.E., Fellow of ASME

Elon J. Terrell, Ph.D.

Kenneth W. Van Treuren, D. Phil., Fellow of ASME

Alexandre F.T. Yokochi, Ph.D.

Sara Baker, Office Manager

Jodi Branch, Graduate Program Coordinator

James (Ashley) Orr, Manufacturing/Machinery Consultant

## Administrative Offices

| Office                            | Contact   |
|-----------------------------------|---|
| Office of the Dean                | Cheryl Tucker, M.S.Ed., Assistant to the Dean                     |
| Marketing and Communications      | Lane Murphy, M.A., Director                                       |
| ECS Development                   | Jenna Hoff, M.Div., Director                                      |
| Financial Information             | Mark McCreary, CIA, MPPA, MSIS, CBA, Business Officer             |
| Financial Specialist              | Alvaro Garcia, M.B.A., Specialist                                 |
| Teal Residential College          |   |
| ECS Technology Support            | Patrick Hynan, Director   |
| Electronics Systems Manager       | Robert A. Baish, Manager  |
| ECS Server Administrator          | Patrick Clancy, Server Administrator                              |
| Senior Computer Systems Analyst   | George Gonzales, Jr., Senior Analyst                              |
| Undergraduate Programs            | Emily Sandvall, M.Ed., Senior Director of Undergraduate Programs  |
| Undergraduate Programs            | Angie Henry, Office Manager                                       |
| Undergraduate Programs            | Ida Jamshidi, M.S.Ed., Senior Director of Advising                |
| Undergraduate Programs            | Megan Glover, M.S.Ed., Coordinator of New Student Recruitment     |
| Undergraduate Programs            | John Hewitt, M.Div., Coordinator of Advising and Special Programs |
| Undergraduate Programs            | Sarah Mosley, Coordinator of Advising and Curriculum              |
| Computer Science Graduate Program | Daniel Adams, M.S.Ed., Advising Program Coordinator               |

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## Computer Science and Informatics

### Computer Science

#### Mission

The mission of the Computer Science Department is to provide a transformational educational experience in a Christian context through personalized mentoring and instruction, advanced scholarship, professional practice, and service that prepares our graduates for lifelong learning and ethically responsible leadership in the field.

#### Programs

The Department of Computer Science offers a Bachelor of Science in Computer Science (B.S.C.S.) degree, a Bachelor of Arts (B.A.) degree with a major in Computer Science, a Bachelor of Science in Informatics (B.S.I.) degree with majors in Bioinformatics and Data Science, and a Bachelor of Science in Computing with a major in Computer Science Fellows (B.S.C.).

The **Bachelor of Science in Computer Science (B.S.C.S.)** degree is designed for students who desire a significant concentration in upper-level computer science topics and a solid foundation in mathematics and the sciences. The B.S.C.S. program is accredited by the Computing Accreditation Commission of the Accreditation Board for Engineering and

Technology. Students select one of three areas of concentration in order to meet their career goals: computer science, software engineering, or cybersecurity. All concentrations include a common set of core topics in computing, preparing graduates to pursue careers in research, industry, or other computing-related fields. A graduate degree in computer science is recommended for those pursuing a research career.

The **Computer Science Concentration** focuses on providing a broad survey of topics in computing. It allows a wide range of options in advanced elective topics. This concentration provides a strong foundation for applying computing to a wide-range of areas.

The **Software Engineering Concentration** emphasizes the methods used to produce and maintain high-quality software in a systematic, controlled, and efficient manner. It combines computer science with topics more closely associated with engineering, such as quality assurance, project planning, and economic tradeoffs. In addition to Software Engineering I and II, which are required of all B.S.C.S. students, the concentration includes courses in software quality assurance, software project management, and engineering economics.

The **Cybersecurity Concentration** provides exposure to concepts, tools, and processes related to cybersecurity threats, vulnerabilities, and defensive mitigations. It combines computer science foundational coursework with both theoretical work and applied (e.g., laboratory) experiences that will ground students in the concepts, techniques, tactics, and procedures used to compromise and secure computer systems. The concentration includes courses in Introduction to Cybersecurity, Advanced Cybersecurity, Cryptology, Terrorism, and Cybersecurity Lab. Upon graduation, students will be prepared for a career in the cybersecurity industry.

The **Bachelor of Arts (B.A.)** degree with a major in computer science provides a traditional liberal arts education with a solid set of core courses in computer science. These courses provide the foundation necessary for a career in computer science. During the sophomore year, a student selects one of two areas of concentration in order to meet specific goals. Students may choose a concentration program from computer science, or any approved minor in another discipline. The requirements for the B.A. with a major in computer science are presented in the College of Arts & Sciences section of this catalog.

The **Bachelor of Science in Informatics (B.S.I.)** degree offers majors in Bioinformatics and Data Science. The **Bioinformatics** major is a multidisciplinary program offered by the Department of Computer Science in conjunction with the Biology Department. The uniqueness of the program is the strong foundation it provides in both disciplines. Graduates may pursue careers in either computer science or biology, or in bioinformatics, a field that combines the two. The curriculum includes courses in biology, computer science, chemistry, and mathematics, as well as the humanities and social sciences. It is an excellent choice for students planning to enter one of the medical professions.

The major in **Data Science** is designed for individuals interested in interdisciplinary approach to data management and analysis in the digital age. The curriculum provides a strong foundation in programming, statistics, mathematics, and computing, with particular emphasis in cloud computing, machine learning and data mining. A major in Data Science also requires students to obtain a minor in a second discipline. Upon graduation, students with this major will be ready for careers in the emerging fields of Data Science, Data Analytics, and Data Management.

The **Bachelor of Science in Computing with a Major in Computer Science Fellows (CSF)** The Computer Science Fellows Program is designed

for highly motivated students entering the School of Engineering & Computer Science with a wide range of interests who desire a more diverse experience across the disciplines. The program seeks to broaden Computer Science Fellows' backgrounds in their chosen area(s) of diversification while preparing them for graduate studies or for successful careers. The Computer Science Fellows is a major within the School of Engineering & Computer Science that allows Fellows to create an individualized course of study with the advice of a program Director who mentors them throughout the entire undergraduate experience. In the course of this mentoring process, the Director will in turn call upon the expertise of professors in other departments for assistance in serving the needs of the Fellow.

An important characteristic of the Baylor computer science programs is the integration of software, hardware, theory, and design methodology throughout the curriculum. A highly personalized education is provided by faculty dedicated to undergraduate education with small class sizes and modern laboratories. The programs are broadly based to prepare computer science graduates to handle the increasingly complex and ever-changing areas of computer science and bioinformatics.

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- Bioinformatics, B.S.I. (p. 342)
- Data Science, B.S.I. (p. 343)
- Computer Science Fellows, B.S.C. (p. 343)
- Computer Science, B.A. (p. 345)

## Computer Science (CSI)

### **BINF 1095 Bioinformatics First-year Seminar (0)**

Pre-requisite(s): Restricted to Bioinformatics majors

The Bioinformatics First-Year Seminar is designed to assist new students in making a successful transition from learning in high school (or from another college) to learning at Baylor. Students are guided to accept responsibility for their learning and to understand practices and values that will impact their undergraduate experience; to further instill practicing values that will lead to academic success; and to connect with other new students and faculty members in the department and across campus for the main purpose of helping them be successful in the department of Computer Science, Baylor, and beyond.

### **BINF 3350 Genomics and Bioinformatics (3)**

Cross-listed as BIO 3350

Pre-requisite(s): BIO 2306

The overall objective of this course is to familiarize students with concepts in genomics, proteomics, systems biology and bioinformatics. Upon course completion students will be able to properly identify appropriate software for use in solving biologically relevant questions. Individuals will also be able to use software efficiently to address questions and maintain a reasonable web presence.

### **BINF 3360 Introduction to Computational Biology (3)**

Pre-requisite(s): BINF 3350 and CSI 3344

An introduction to the computable issues in biology. Assignments will focus on gaining competency in the use of bioinformatics applications, algorithm design, Perl programming, protein structure modeling, and genome annotation.

### **BINF 3V96 Bioinformatics Internship Experience (1-3)**

Pre-requisite(s): BINF 3350 and 3360; Consent of instructor

Department arranged/approved summer intern work experience in bioinformatics-related position. Includes a minimum of eight weeks of employment.

### **BINF 43C9 Bioinformatics Senior Capstone Project (3)**

Pre-requisite(s): Senior standing

Minimum grade of C in both CSI 3335 and BINF 3360. A semester-long project course in which students will create a bioinformatics computing system. The project requires applying information technology according to established design management practices, including technical presentations (oral and written) by all students.

### **CSF 3001 Independent Reading Survey (0)**

Co-requisite(s): CSF 3102

Exit survey taken at the end of two semesters of junior readings and research to summarize a student's independent readings and research, and to ascertain readiness for the senior thesis.

### **CSF 3101 Advanced Readings and Research I (1)**

A one-credit-hour course that is designed to facilitate the beginning phase of the CS Fellows thesis project. The course is conducted under the direction of the director of the CS Fellows program and a faculty research advisor from the student's department, concentration area, or area of research.

### **CSF 3102 Advanced Readings and Research II (1)**

Pre-requisite(s): CSF 3101 or concurrent enrollment

Continuation of CSF 3101. Continued exploration in the Fellow's research field through advanced readings and/or laboratory or field-work procedures, research, writing, and conversations with professors. Includes submission of a formal thesis proposal.

### **CSF 4001 Senior Exit Survey (0)**

Co-requisite(s): CSF 4302

Pre-requisite(s): Completion of CSF 3102 and CSF 3001, and approval of the CS Fellows Director

Required during the final undergraduate semester for all Computer Science Fellows. Ensures that all CS Fellows requirements have been satisfied.

### **CSF 4302 Fellows Thesis (3)**

Co-requisite(s): CSF 4001

Pre-requisite(s): CSF 4V01 and approval of the CS Fellows Director  
Thesis with final deliverables that include a complete research paper, any client-specific documentation, and a functional prototype.

### **CSF 4V01 Research/Fellows Thesis I (1-3)**

Pre-requisite(s): Completion of CSF 3102 and CSF 3001, and approval of CS Fellows Director

Fellows will work with their Research Advisor to determine the scope of work required for their research/thesis. Culmination of this course is the submission of the outline, first chapter, and bibliography to the Research Advisor and CS Fellows Director.

### **CSI 1095 Computer Science First-year Seminar (0)**

Pre-requisite(s): Restricted to Computer Science majors  
The CS First-Year Seminar is designed to assist new students in making a successful transition from learning in high school (or from another college) to learning at Baylor

Students are guided to accept responsibility for their learning and to understand practices and values that will impact their undergraduate experience; to further instill practicing values that will lead to academic success; and to connect with other new students and faculty members in the department and across campus for the main purpose of helping them be successful in the department of Computer Science, Baylor, and beyond.

**CSI 1130 Introduction to Python for non-majors (1)**

Introduction to programming using the python language. Topics covered include basic data types, writing programs using sequence, branch and loop and using functions from advanced libraries. This course assumes no prior programming experience and does not count towards the computer science degree.

**CSI 1337 Introduction to Video Game Design (3)**

This course will introduce students to the theory and application of video game design. Students will work in teams to create video games in a game development engine. The students will also learn theory behind good game design, including the use of game rules to enhance gameplay, the creation of virtual worlds, and the use of games as a social experience. No prior programming experience is required.

**CSI 1401 Introduction to Programming I (4)**

An introduction to computer science for non-majors, emphasizing computational thinking, problem-solving, small-scale programming, and applications. This includes basic programming constructs such as data, variables, functions, conditionals, loops, lists, files, sets, dictionaries, object-oriented programming, and problem solving. Applications will include image processing, numerical computing, and graphics.

**CSI 1402 Introduction to Programming II (4)**

Pre-requisite(s): C or better in CSI 1401 or CSI 1430 An advanced introduction to computer science for non-majors emphasizing problem-solving, computational thinking, small-scale programming and applications

This includes more advanced programming concepts such as data structures, class objects, object oriented programming and algorithm analysis.

**CSI 1430 Introduction to Computer Science I with Laboratory (4)**

Introduction to computers, problem solving and algorithm development. Design, code, debug and document programs using techniques of good programming style and C++ programming language. Laboratory experiments and examples will be used to illustrate and reinforce concepts taught in the lectures.

**CSI 1440 Introduction to Computer Science II with Laboratory (4)**

Pre-requisite(s): CSI 1430 with a grade of C or better  
Continuation of CSI 1430. Introduction to basic aspects of arrays, pointers, classes, inheritance, polymorphism, virtual functions, linked lists, stacks, queues, and binary trees.

**CSI 1V90 Special Topics in Freshman Computer Science (1-4)**

For undergraduates who wish to study introductory topics not available in formal courses within the major. Course may be repeated with a change in content or topic.

**CSI 2300 Introduction to Data Science (3)**

Cross-listed as STA 2300

Principles of data science, including problem workflow, variable types, visualization, modeling, programming, data management and cleaning, reproducibility, and big data.

**CSI 2334 Introduction to Computer Systems (3)**

Pre-requisite(s): Minimum grade of B in CSI 1440; Minimum grade of C in CSI 2350 or concurrent enrollment

An introduction to the structure of computer systems and the relationship between software and hardware. Topics include computer organization and representation of information in a computer. An assembly language will be used for programming assignments to illustrate the relationship between high-level languages and machine operations and interpretation of software.

**CSI 2350 Discrete Structures (3)**

Pre-requisite(s): Minimum grade of B in CSI 1440 or concurrent enrollment OR minimum grade of C in CSI 1402 or concurrent enrollment; MTH 1321 or concurrent enrollment

An introduction to the foundations of discrete structures as they apply to computer science, focusing on providing a solid theoretical foundation for further work. Topics include sets, ordered structures, graph and trees, functions, proof techniques, number systems, logic, Boolean algebra, etc.

**CSI 3101 Computers in Society (1)**

Pre-requisite(s): A CSI or BINF major with at least junior-level standing; or consent of instructor

Study of computer ethics, risks, privacy, ownership of software, responsibility and liability, computer crime, and professional codes of conduct as they relate to society.

**CSI 3303 Information Technology (3)**

Topics covered will include hardware and software systems, social and ethical issues, information search strategies for research, and personal and organizational security issues (not applicable to a major in computer science).

**CSI 3324 Numerical Methods (3)**

Cross-listed as MTH 3324

Pre-requisite(s): Minimum grade of C in both CSI 1430 and MTH 1321  
Numerical differentiation and integration, linear systems of equations, numerical solutions of ordinary differential equations, curve fitting, and computational techniques.

**CSI 3334 Data Structures (3)**

Pre-requisite(s): CSI 1440 with a grade of B or better; and CSI 2350 with a grade of C or better

Software design and construction with abstract data types. Description, performance and use of commonly-used algorithms and data structures including lists, trees, and graphs.

**CSI 3335 Database Design and Applications (3)**

Cross-listed as DSC 3335

Pre-requisite(s): CSI 3344 with a grade of C or better or CSI 1402 with a grade of C or better

Current relational database design concepts including ER diagrams and normalization. Database access techniques such as SQL and JDBC. Database issues including performance and security. Web-database applications.

**CSI 3336 Systems Programming (3)**

Pre-requisite(s): CSI 2334 and 3344 with a grade of C or better

The organization and structure of computer systems, basic concepts of an operating system, command line interpreter, script programming, and system calls. Programming projects in Unix and C programming language.

**CSI 3338 Computer Organization (3)**

Cross-listed as ELC 3338

See ELC 3338 for course information.

**CSI 3342 Principles of Software Design (3)**

Pre-requisite(s): CSI 3335

An introduction to object-oriented analysis and design. Iterative development; identification of requirements; software development process; UML notation, models and methods; and introduction to design patterns. Software project using an object-oriented language.



**CSI 3344 Introduction to Algorithms (3)**

Pre-requisite(s): Minimum grade of C in CSI 3334

This course will provide a comprehensive introduction to computer algorithms taken from diverse areas of application. This course will concentrate on algorithms of fundamental importance and on analyzing the efficiency of these algorithms.

**CSI 3371 Software Engineering I (3)**

Co-requisite(s): CSI 3130

Pre-requisite(s): CSI 3334

Fundamentals of Software Engineering; software development processes, requirements analysis, modular design and implementation of software systems, software testing and evolution. A small project to illustrate and extend concepts from lectures.

**CSI 3372 Software Engineering II (3)**

Pre-requisite(s): CSI 3344 and CSI 3471 with a grade of C or better

An engineering approach to software development emphasizing design patterns and techniques for enterprise application development.

Completing software project applying development process.

**CSI 3373 Software Quality Assurance and Testing (3)**

Pre-requisite(s): Minimum grade of C in CSI 3471

Quality, how to assure it and how to verify that it exists; the need for a culture of quality; how to avoid errors; inspections and reviews; verification versus validation; testing, verification, and validation techniques; process assurance and product assurance; quality process standards; faults; problem analysis and reporting; and statistical approaches to quality control.

**CSI 3374 Software Project Management (3)**

Pre-requisite(s): Minimum grade of C in CSI 3471 or minimum grade of C in DSC 4310

Project planning, cost estimation, and scheduling; project management tools; factors influencing productivity and success; productivity metrics; analysis of options and risks; planning for change; management of expectations; release and configuration management; software process standards and process implementation; and software contracts and intellectual property.

**CSI 3439 Computer Architecture (4)**

Pre-requisite(s): CSI 2334 with a grade of C or better

Continued study of computer organization, focusing on hardware structure and implementation. Topics include digital logic CPU organization and microprogramming, memory organization, and input/output structures.

**CSI 3471 Software Engineering I (4)**

Pre-requisite(s): A minimum grade of C in CSI 3344 or concurrent enrollment; and a minimum grade of C in CSI 3334

Introduction to UML notation; constructing and interpreting use cases; interpreting UML models; introduction to design patterns; introduction to testing; introduction to configuration management; Java as a second language; and implementing a graphical user interface. Laboratory assignments and a small project illustrate and extend concepts from lectures.

**CSI 3V90 Special Topics in Intermediate Computer Science (1-4)**

Pre-requisite(s): Instructor approval required

For undergraduates who wish to study intermediate topics not available in formal courses within the major. Course may be repeated with a change in content or topic.

**CSI 3V95 Internship Experience (1-3)**

Pre-requisite(s): Computer Science major; consent of instructor  
Department arranged/approved summer intern work experience in computer science-related position. Includes a minimum of eight weeks of employment.

**CSI 4010 Undergraduate Research Seminar (0)**

Pre-requisite(s): Consent of instructor

Introduction of computer science research opportunities to interested computer science undergraduates.

**CSI 4111 Cybersecurity Laboratory (1)**

Pre-requisite(s): Minimum grade of C in CSI 3334 or concurrent enrollment

This is a laboratory course that will emphasize both offensive and defensive security techniques in an applied laboratory environment. The course may be taken 3 times to earn an upper division elective.

**CSI 4144 Competitive Learning (1)**

Pre-requisite(s): CSI 3334 and consent of instructor

Students in the course will learn and implement algorithms to solve programming challenges. Topics include graph algorithms, backtracking search, simulation, geometry, combinatorics, number theory, sorting, searching, parsing, and output formatting. The course may be taken up to 3 times for credit.

**CSI 4301 Cultural Impact of the Computer (3)**

Pre-requisite(s): Upper-level standing

Issues related to the creation and use of computer technology, considered within the broader context of technology and culture. Includes all topics from CSI 3101 as a subset.

**CSI 4321 Data Communications (3)**

Pre-requisite(s): Minimum grade of C in CSI 3336

Fundamentals of computer networking including data transmission, communication software, protocols, simple networks and internetworking.

**CSI 4322 Numerical Analysis (3)**

Cross-listed as MTH 4322

See MTH 4322 for course information.

**CSI 4323 Introduction to Cybersecurity (3)**

Pre-requisite(s): Minimum grade of C in CSI 3471

Minimum grade of C in CSI 3335 and CSI 4321 or concurrent enrollment. This course provides an overview of cybersecurity threats, vulnerabilities, and defensive mitigations. The course will emphasize both theoretical concepts and practical application with critical thinking. Example topics include: authentication, access control, malware, intrusion, firewalls, encryption, software security, auditing/monitoring, and risk management.

**CSI 4325 Advanced Cybersecurity (3)**

Pre-requisite(s): Minimum grade of C in CSI 4321 and CSI 4323

This course provides additional depth and application of the cybersecurity concepts introduced in CSI 4323 (Introduction to Cybersecurity). Example topics include: penetration testing, cyber resilience, trusted computing, reverse engineering, network situational awareness, security architecture, incident handling, threat intelligence, and forensics.

**CSI 4328 Numerical Linear Algebra (3)**

Cross-listed as MTH 4328

See MTH 4328 for course information.



**CSI 4330 Foundations of Computing (3)**

Pre-requisite(s): CSI 3344 with a grade of C or better

Theoretical concepts that form the basis of computer science, including regular languages, context-free languages, Turing-decidable languages, nondeterminism, parsing, NP\_Completeness, and undecidability.

**CSI 4335 Database Design I (3)**

Pre-requisite(s): CSI 3342

Concepts for current relational database design and implementation, including SQL, ER diagrams, normalization, JDBC, XML and DBMS components. Semester project designing a relational database.

**CSI 4336 Introduction to Computation Theory (3)**

Pre-requisite(s): CSI 3344 with a grade of C or better

Several models of computation and their related languages. Topics will include finite automata and regular languages, push-down automata and context-free languages, linear-bounded automata and context-sensitive languages. Turing machines and phrase structure languages, closure properties, decidability results, non-determinism.

**CSI 4337 Introduction to Operating Systems (3)**

Pre-requisite(s): C or better in CSI 3336

Operating system design and implementation. Topics include process control and synchronization, memory management, processor scheduling, file systems, and security. Course projects implement parts of an operating system.

**CSI 4341 Computer Graphics (3)**

Pre-requisite(s): C or better in CSI 3334 and MTH 2311 or 2321

Introduction to graphic representation and display of information and objects by computer. Topics include hardware display technology and algorithms for two-dimensional and three-dimensional graphics. A current graphic system model will be used for programming assignments.

**CSI 4342 Gaming Platform Frameworks (3)**

Pre-requisite(s): CSI 4341 with a grade of C or better

Game Framework Design and Development. An introduction to game development platforms. Topics include: Game design principles, project management, game-related algorithms/mathematics, game physics, game audio/video, AI, development tools, and real-time systems.

**CSI 4344 Object-Oriented Development (3)**

Pre-requisite(s): CSI 3342

Object-oriented analysis and design methods. Group software projects.

**CSI 4352 Introduction to Data Mining (3)**

Pre-requisite(s): Minimum grade of C in CSI 3335, Minimum grade of C in CSI 3344

Introduction to the concepts, techniques, and applications of data warehousing and data mining. Topics include design and implementation of data warehouse and OLAP operations; data mining concepts and methods such as association rule mining, pattern mining, classification, and clustering; applications of data mining techniques to complex types of data in various fields.

**CSI 43C8 Gaming Capstone Design Project (3)**

Pre-requisite(s): Minimum grade of C in CSI 3372, Minimum grade of C in CSI 4321, Minimum grade of C in CSI 4337, Minimum grade of C in CSI 4342, and senior standing

A semester long project course in which students will create a gaming system. The project requires applying information technology according to established design management practices, including technical presentations (oral and written) by all students.

**CSI 43C9 Capstone Design Project (3)**

Pre-requisite(s): Senior standing and Minimum grade of C in CSI 3335, Minimum grade of C in CSI 3372, Minimum grade of C in CSI 4321, and Minimum grade of C in CSI 4337

A semester-long project course in which students will create a computing system. The project requires applying information technology according to established design management practices, including technical presentations (oral and written) by all students.

**CSI 4V96 Special Topics in Computer Science (1-9)**

Pre-requisite(s): Consent of instructor is required

**DSC 2334 Computing and Computer Fundamentals (3)**

Pre-requisite(s): C or better in CSI 1402 or CSI 1440; C or better in DSC 2350 or CSI 2350 or concurrent enrollment

An introduction to the structure of computer systems and the relationship between software and hardware. Topics include computer organization and representation of information in a computer. Programming assignments will be used to illustrate the digital representation of data, the fundamental tasks associated with an operating system, network communications, etc.

**DSC 2350 Discrete Structures for Data Science (3)**

Pre-requisite(s): C or better in CSI 1402 or concurrent enrollment; MTH 1321 or concurrent enrollment

An introduction to the foundations of discrete structures as they apply to data science, focusing on providing a solid theoretical foundation for further work. Topics include sets, ordered structures, graph and trees, functions, proof techniques, number systems, logic, Boolean algebra, etc.

**DSC 3310 Cloud Computing (3)**

Pre-requisite(s): C or better in DSC 3335

This cloud computing course focuses on practical hands-on experience with modern cloud computing ecosystems. It features content based on active engagement with public cloud services and real-world experiences. Students will be introduced to contemporary coding paradigms designed for horizontally scalable computing environments.

**DSC 3334 Algorithms and Data Structures (3)**

Pre-requisite(s): C or better in CSI 1402

Analysis of the use of appropriate data structures to hold and process large amounts of data. Application of the data structures using data science and machine learning algorithms and discussion of the algorithms' runtimes.

**DSC 3335 Database Design & Application (3)**

Cross-listed as CSI 3335

See CSI 3335 for course information.

**DSC 3344 Analytics for Machine Learning (3)**

Pre-requisite(s): C or better in DSC 3334

An introduction to the data analytics used in machine learning, including descriptive statistics, probability and counting theory, samples and probability distributions, inferential statistics, linear regression, principal component analysis, and non-parametric analysis. Ethics in data analytics are also discussed.

**DSC 4310 Machine Learning (3)**

Pre-requisite(s): C or better in DSC 3335 and 3344

This course provides an introduction to the fundamental methods and theory of modern machine learning. Machine learning algorithms covered include: shallow, mid-level, and deep learning models and their applications as well as unsupervised learning and reinforce learning techniques.

**DSC 4320 Data Visualization (3)**

Pre-requisite(s): CSI 2300

Investigation of the various techniques for creating effective visualizations, incorporating principles of graphic design, cognitive and perceptual psychology, data analysis, and human factors evaluations. Using the growing toolbox for visual description and presentation, students apply visualization techniques and build novel visualization tools for solving complex problems.

**DSC 4354 Cybersecurity for Data Science (3)**

Pre-requisite(s): C or better in DSC 3310 or concurrent enrollment; C or better in DSC 3344 or concurrent enrollment

Provides an overview of cybersecurity threats, vulnerabilities, and defensive mitigations. The course emphasizes both theoretical concepts and practical application with critical thinking. Example topics include: authentication, access control, malware, intrusion, firewalls, database and cloud security, auditing/monitoring, and risk management.

**DSC 43C8 Big Data (3)**

Pre-requisite(s): C or better in DSC 3310; C or better in DSC 4310; C or better in DSC 4320

This course investigates how the data parallel paradigm can be extended to the distributed case, using modern big data tools. Parallel programming models will be investigated in detail. Key issues related to distribution, like latency and network communication will be considered and how they can be addressed effectively for improved performance.

**DSC 43C9 Data Science Capstone (3)**

Pre-requisite(s): C or better in DSC 43C8

A semester-long project course in which students will create a computing system. The project requires applying information technology according to established design management practices, including technical presentations (oral and written) by all students.

**DSC 4V96 Special Topics in Data Science (1-3)**Pre-requisite(s): Consent of department chair  
Study of advanced topics in data science.

## Computer Science (B.S.C.S.)

### B.S.C.S. Program Educational Objectives

1. Practice in a computer science related profession and/or pursue advanced studies in computer science or related discipline.
2. Use effective oral and written communication skills.
3. Participate in collaborative environments.
4. Become leaders in their chosen field.
5. Exhibit a sense of professional ethics and civic responsibility.

### B.S.C.S. Student Outcomes

Student outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the knowledge, skills, and behaviors that students acquire as they progress through the program.

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.

4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

## B.S.C.S. Degree Requirements

| Code   | Title  | Hours |
|--|--|-------|
| <b>Required Courses</b>  |  |       |
| Minimum 124 semester hours including the following:                                  |  |       |
| <i>Humanities</i>  |  |       |
| ENG 1310   | Writing and Academic Inquiry Seminars  | 3     |
| PWR 3300   | Technical Writing  | 3     |
| Select one from each group:  |  | 9     |
| Group 1  |  |       |
| GTX 2301   | Intellectual Traditions of the Ancient World : Literature and Thought            |       |
| GTX 2302   | Medieval Intellectual Traditions: Literature and Thought in Context              |       |
| GTX 3343   | Great Texts in the Origins of Science  |       |
| GTX 4341   | Great Texts in Modern Science  |       |
| Group 2  |  |       |
| ENG 2301   | British Literature   |       |
| ENG 2304   | American Literature  |       |
| ENG 2306   | World Literature   |       |
| ENG 2310   | American Literary Cultures   |       |
| Group 3  |  |       |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience |       |
| An additional GTX course   |  |       |
| REL 1310 & REL 1350  | The Christian Scriptures and The Christian Heritage                              | 6     |
| <i>Foreign Language</i>  |  |       |
| Second level proficiency (at least 1302 or 1412) must be achieved.                   |  | 3-6   |
| Complete one course to reach second level proficiency (1302, 1412, 2310, or 2320).   |  |       |
| Complete two courses to reach second level proficiency (beginning with 1301 or 1401) |  |       |
| CSS 1302   | Speech for Business and Professional Students                                    | 3     |
| <i>Mathematics</i>   |  |       |
| MTH 1321   | Calculus I   | 3     |
| MTH 1322   | Calculus II  | 3     |
| STA 3381   | Probability and Statistics   | 3     |
| <i>Other Requirements</i>  |  |       |
| Lifetime Fitness, two courses <sup>1</sup>   |  | 2     |
| Chapel - two semesters   |  | 0     |
| <i>Options</i>   |  |       |
| Select one of the following three options:   |  | 81-85 |
| Option A - Computer Science Major (Computer Science Concentration)                   |  |       |

|   |                |
|---|----------------|
| Option B - Computer Science Major (Software Engineering Concentration)                                      |                |
| Option C - Computer Science Major (Cybersecurity Concentration)   |                |
| <b>Minor</b>  |                |
| Optional, may elect one or more minors. See specific requirements in departmental sections of this catalog. |                |
| No more than three hours from the major may be applied to the minor   |                |
| <b>Advanced Work</b>  |                |
| Advanced work ("3000" or "4000" numbered courses) minimum   | (36)           |
| <b>Total Hours</b>  | <b>119-126</b> |

<sup>1</sup> Not required of students who have reached age 25 before matriculation

## Option A - Computer Science Major (Computer Science Concentration)

| Code  | Title   | Hours |
|---|---|-------|
| <b>Computer Science</b>                           |   |       |
| CSI 1430  | Introduction to Computer Science I with Laboratory  | 4     |
| CSI 1440  | Introduction to Computer Science II with Laboratory | 4     |
| CSI 2334  | Introduction to Computer Systems                    | 3     |
| CSI 2350  | Discrete Structures                                 | 3     |
| CSI 3334  | Data Structures                                     | 3     |
| CSI 3335  | Database Design and Applications                    | 3     |
| CSI 3336  | Systems Programming                                 | 3     |
| CSI 3344  | Introduction to Algorithms                          | 3     |
| CSI 3372  | Software Engineering II                             | 3     |
| CSI 3439  | Computer Architecture                               | 4     |
| CSI 3471  | Software Engineering I                              | 4     |
| CSI 4321  | Data Communications                                 | 3     |
| CSI 4330  | Foundations of Computing                            | 3     |
| CSI 4337  | Introduction to Operating Systems                   | 3     |
| CSI 43C9  | Capstone Design Project                             | 3     |
| CSI 4301<br>or PHI 1310                           | Cultural Impact of the Computer<br>Computer Ethics  | 3     |
| CSI 3000 or CSI 4000 level electives <sup>1</sup> |   | 6     |

A grade of "C" or better is required in all computer science hours counted toward major

|   |       |
|---|-------|
| <b>Sciences</b>   |       |
| Select one group from the following natural or physical sciences: | 14-16 |

|                        |   |  |
|------------------------|---|--|
| <b>Group 1</b>         |   |  |
| BIO 1305<br>& BIO 1105 | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory            |  |
| BIO 1306<br>& BIO 1106 | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory |  |
| <b>Group 2</b>         |   |  |
| CHE 1301<br>& CHE 1101 | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I                |  |

|                              |   |  |
|------------------------------|---|--|
| CHE 1302<br>& CHE 1102       | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II  |  |
| <b>Group 3</b>               |   |  |
| GEO 1405                     | The Dynamic Earth   |  |
| GEO 1306<br>& GEO 1106       | The Earth Through Time<br>and The Earth Through Time, Laboratory  |  |
| <b>Group 4</b>               |   |  |
| Select one of the following: |   |  |
| PHY 1408<br>& PHY 1409       | General Physics for Natural and Behavioral<br>Sciences I<br>and General Physics for Natural and<br>Behavioral Sciences II |  |
| PHY 1420<br>& PHY 1430       | General Physics I<br>and General Physics II   |  |

### Additional Science Courses

Six to eight additional hours of science from the courses above or from courses have one or more of the above courses as prerequisites. If a '1000' level course is chosen, coordinating lab must be taken as well.

### Contemporary Social Issues

Select 6 hours from the corresponding A&S Distribution List <sup>2</sup> 6

### Mathematics

|                         |                                |   |
|-------------------------|--------------------------------|---|
| MTH 2311<br>or MTH 2321 | Linear Algebra<br>Calculus III | 3 |
|-------------------------|--------------------------------|---|

**Total Hours** **81-83**

<sup>1</sup> CSI 3303 Information Technology is not applicable to the major in computer science or as degree electives without written permission from the Computer Science Department Chair.

<sup>2</sup> HIS 1300 The United States in Global Perspective included

## Option B - Computer Science Major (Software Engineering Concentration)

| Code                    | Title   | Hours |
|-------------------------|---|-------|
| <b>Computer Science</b> |   |       |
| CSI 1430                | Introduction to Computer Science I with Laboratory  | 4     |
| CSI 1440                | Introduction to Computer Science II with Laboratory | 4     |
| CSI 2334                | Introduction to Computer Systems                    | 3     |
| CSI 2350                | Discrete Structures                                 | 3     |
| CSI 3334                | Data Structures                                     | 3     |
| CSI 3335                | Database Design and Applications                    | 3     |
| CSI 3336                | Systems Programming                                 | 3     |
| CSI 3344                | Introduction to Algorithms                          | 3     |
| CSI 3471                | Software Engineering I                              | 4     |
| CSI 3372                | Software Engineering II                             | 3     |
| CSI 3373                | Software Quality Assurance and Testing              | 3     |
| CSI 3374                | Software Project Management                         | 3     |
| CSI 3439                | Computer Architecture                               | 4     |
| CSI 4321                | Data Communications                                 | 3     |
| CSI 4330                | Foundations of Computing                            | 3     |
| CSI 4337                | Introduction to Operating Systems                   | 3     |
| CSI 43C9                | Capstone Design Project                             | 3     |

|                         |  |   |
|-------------------------|--|---|
| CSI 4301<br>or PHI 1310 | Cultural Impact of the Computer<br>Computer Ethics | 3 |
|-------------------------|--|---|

A grade of "C" or better is required in all computer science hours counted toward major.

#### Sciences

Select one group from the following natural or physical sciences: 14-16

##### Group 1

|                        |  |  |
|------------------------|--|--|
| BIO 1305<br>& BIO 1105 | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory |  |
|------------------------|--|--|

##### Group 2

|                        |  |  |
|------------------------|--|--|
| CHE 1301<br>& CHE 1101 | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I   |  |
| CHE 1302<br>& CHE 1102 | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II |  |

##### Group 3

|                        |  |  |
|------------------------|--|--|
| GEO 1405               | The Dynamic Earth  |  |
| GEO 1306<br>& GEO 1106 | The Earth Through Time<br>and The Earth Through Time, Laboratory |  |

##### Group 4

|                              |   |  |
|------------------------------|---|--|
| Select one of the following: |   |  |
| PHY 1408<br>& PHY 1409       | General Physics for Natural and Behavioral<br>Sciences I<br>and General Physics for Natural and<br>Behavioral Sciences II |  |
| PHY 1420<br>& PHY 1430       | General Physics I<br>and General Physics II   |  |

#### Additional Science Courses

Six to eight additional hours of science from the courses above or from courses which have one or more of the above courses as prerequisites. If a '1000' level course is chosen, coordinating lab must be taken as well.

#### Technical Elective

Select one of the following: 3

|                                       |  |  |
|---------------------------------------|--|--|
| STA - with STA 3381 as a prerequisite |  |  |
| MTH 2321                              | Calculus III                                   |  |
| MTH 3312                              | Foundations of Combinatorics and Algebra       |  |
| MTH 3370                              | Mathematical Methods of Operations<br>Research |  |

Any 4000-level MTH course not required for Software Engineering track.

|          |                                |  |
|----------|--------------------------------|--|
| ELC 4330 | Introduction to Robotics       |  |
| ELC 4353 | Image Formation and Processing |  |
| ELC 4438 | Embedded Systems Design        |  |

#### Contemporary Social Issues

Select 3 hours from the corresponding A&S Distribution List <sup>1</sup> 3

#### Additional Courses

|                         |  |   |
|-------------------------|--|---|
| ECO 1305                | Issues in Economics for Non-Business<br>Majors | 3 |
| MTH 2311<br>or MTH 2321 | Linear Algebra<br>Calculus III                 | 3 |

**Total Hours 84-86**

## Option C - Computer Science Major (Cybersecurity Concentration)

| Code                    | Title  | Hours |
|-------------------------|--|-------|
| <b>Computer Science</b> |  |       |
| CSI 1430                | Introduction to Computer Science I with<br>Laboratory  | 4     |
| CSI 1440                | Introduction to Computer Science II with<br>Laboratory | 4     |
| CSI 2334                | Introduction to Computer Systems                       | 3     |
| CSI 2350                | Discrete Structures                                    | 3     |
| CSI 3334                | Data Structures  | 3     |
| CSI 3335                | Database Design and Applications                       | 3     |
| CSI 3336                | Systems Programming                                    | 3     |
| CSI 3344                | Introduction to Algorithms                             | 3     |
| CSI 3471                | Software Engineering I                                 | 4     |
| CSI 3372                | Software Engineering II                                | 3     |
| CSI 4321                | Data Communications                                    | 3     |
| CSI 4323                | Introduction to Cybersecurity                          | 3     |
| CSI 4325                | Advanced Cybersecurity                                 | 3     |
| CSI 4330                | Foundations of Computing                               | 3     |
| CSI 4337                | Introduction to Operating Systems                      | 3     |
| CSI 43C9                | Capstone Design Project                                | 3     |
| CSI 4301<br>or PHI 1310 | Cultural Impact of the Computer<br>Computer Ethics     | 3     |
| CSI 4111                | Cybersecurity Laboratory (three semesters)             | 3     |

A grade of "C" or better is required in all computer science hours counted toward major.

#### Mathematics

|          |                |   |
|----------|----------------|---|
| MTH 2311 | Linear Algebra | 3 |
| MTH 4312 | Cryptology     | 3 |

#### Political Science

|                         |                                |   |
|-------------------------|--------------------------------|---|
| PSC 3355<br>or PSC 4395 | The Causes of War<br>Terrorism | 3 |
|-------------------------|--------------------------------|---|

#### Contemporary Social Issues

Select 3 hours from the corresponding A&S Distribution List <sup>1</sup> 3

#### Sciences

Select one group from the following natural or physical sciences:

##### Group 1

|  |  |   |
|--|--|---|
| BIO 1305<br>& BIO 1105<br>& BIO 1306<br>& BIO 1106 | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory<br>and Modern Concepts of Bioscience,<br>continued<br>and Modern Concepts of Bioscience<br>Laboratory | 8 |
|--|--|---|

##### Group 2

|  |   |   |
|--|---|---|
| CHE 1301<br>& CHE 1101<br>& CHE 1302<br>& CHE 1102 | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I<br>and Basic Principles of Modern Chemistry<br>II<br>and General Chemistry Laboratory II | 8 |
|--|---|---|

##### Group 3

<sup>1</sup> HIS 1300 The United States in Global Perspective included

|                                      |   |   |
|--------------------------------------|---|---|
| GEO 1405<br>& GEO 1306<br>& GEO 1106 | The Dynamic Earth<br>and The Earth Through Time<br>and The Earth Through Time, Laboratory | 8 |
|--------------------------------------|---|---|

*Group 4*

|  |  |    |
|--|--|----|
| PHY 1408<br>& PHY 1409<br>& PHY 1420<br>& PHY 1430 | General Physics for Natural and Behavioral<br>Sciences I<br>and General Physics for Natural and<br>Behavioral Sciences II<br>and General Physics I<br>and General Physics II | 16 |
|--|--|----|

Six to eight additional hours of science from the courses below or from courses, which have one or more of the above courses as prerequisites.

|                    |                |
|--------------------|----------------|
| <b>Total Hours</b> | <b>115-117</b> |
|--------------------|----------------|

<sup>1</sup> HIS 1300 The United States in Global Perspective included

## Bioinformatics, B.S.I.

### B.S.I. Degree Requirements (Bioinformatics Major)

| Code  | Title   | Hours |
|---|---|-------|
| <b>Required Courses</b>   |   |       |
| Minimum 124 semester hours to include the following:  |   |       |
| <i>Humanities and Social Science</i>  |   |       |
| ENG 1310  | Writing and Academic Inquiry Seminars   | 3     |
| PWR 3300  | Technical Writing   | 3     |
| GTX 2301  | Intellectual Traditions of the Ancient<br>World : Literature and Thought                                  | 3     |
| GTX 2302  | Medieval Intellectual Traditions: Literature<br>and Thought in Context                                    | 3     |
| REL 1310  | The Christian Scriptures  | 3     |
| REL 1350  | The Christian Heritage  | 3     |
| Foreign Language (one language through 1302 or 1412)  |   | 3-6   |
| History and/or Social Science   |   |       |
| Courses from the following departments may be used to fulfill<br>this requirement: anthropology, economics, history, philosophy,<br>political science, psychology, sociology and GEOG 1300 <sup>1</sup> |   |       |
| ENG 2301<br>or PSC 1387   | British Literature<br>The U.S. Constitution, Its Interpretation, and the<br>American Political Experience | 3     |
| <i>Computer Science and Data Science</i>  |   |       |
| CSI 1401  | Introduction to Programming I   | 4     |
| CSI 1402  | Introduction to Programming II  | 4     |
| CSI 2300  | Introduction to Data Science  | 3     |
| DSC 2334  | Computing and Computer Fundamentals   | 3     |
| DSC 2350  | Discrete Structures for Data Science  | 3     |
| DSC 3310  | Cloud Computing   | 3     |
| DSC 3334  | Algorithms and Data Structures  | 3     |
| DSC 3335  | Database Design & Application   | 3     |
| DSC 3344  | Analytics for Machine Learning  | 3     |
| DSC 4310  | Machine Learning  | 3     |
| DSC 4320  | Data Visualization  | 3     |

A grade of "C" or better is required in all computer science hours counted toward the major.

*Biology*

|                        |   |   |
|------------------------|---|---|
| BIO 1305<br>& BIO 1105 | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory            | 4 |
| BIO 1306<br>& BIO 1106 | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory | 4 |
| BIO 2306<br>& BIO 2106 | Genetics<br>and Genetics Laboratory   | 4 |
| BIO 4306<br>& BIO 4106 | Molecular Genetics and Genomics<br>and Molecular Genetics and Genomics<br>Laboratory        | 4 |

Select four hours of Biology from the following courses: 4

|                        |  |
|------------------------|--|
| BIO 3100               | Seminar in Biology                           |
| BIO 3330               | Medical Genetics                             |
| BIO 3322<br>& BIO 3122 | Human Physiology<br>and Human Physiology Lab |
| BIO 4102               | General Microbiology Lab                     |
| BIO 4108               | Genes and Development Laboratory             |
| BIO 4302               | General Microbiology                         |
| BIO 4307               | Biochemistry and Physiology of the Cell      |
| BIO 4308               | Genes and Development                        |
| CHE 4341               | General Biochemistry                         |

*Bioinformatics*

|           |  |   |
|-----------|--|---|
| BINF 3350 | Genomics and Bioinformatics            | 3 |
| BINF 3360 | Introduction to Computational Biology  | 3 |
| BINF 43C9 | Bioinformatics Senior Capstone Project | 3 |

A grade of "C" or better is required in all Bioinformatics hours counted toward the major.

*Mathematics and Chemistry*

|                         |  |   |
|-------------------------|--|---|
| MTH 1321                | Calculus I   | 3 |
| STA 2381<br>or STA 3381 | Introductory Statistical Methods<br>Probability and Statistics                 | 3 |
| CHE 1301<br>& CHE 1101  | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I   | 4 |
| CHE 1302<br>& CHE 1102  | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II | 4 |
| CHE 3238                | Organic Chemistry Laboratory   | 2 |
| CHE 3331                | Organic Chemistry I  | 3 |
| CHE 3332                | Organic Chemistry II   | 3 |

**Other Requirements**

|   |  |   |
|---|--|---|
| <i>Lifetime Fitness</i>   |  |   |
| Select two courses minimum  |  | 2 |
| <i>Chapel</i>   |  |   |
| Complete two semesters of Chapel  |  | 0 |
| <i>Minor</i>  |  |   |
| The requirements for a minor and advanced work are the same as<br>for the Bachelor of Science in Computer Science degree. |  |   |

|                    |                |
|--------------------|----------------|
| <b>Total Hours</b> | <b>118-121</b> |
|--------------------|----------------|

<sup>1</sup> Except PSC 1387 The U.S. Constitution, Its Interpretation, and the American Political Experience



Including GEOG 1300 World Geography

## Data Science, B.S.I.

### B.S.I. Degree Requirements (Data Science Major)

| Code   | Title   | Hours |
|--|---|-------|
| <b>Required Courses</b>  |   |       |
| Minimum 124 semester hours to include the following:                               |   |       |
| <i>Humanities, Social Science, and Science</i>                                     |   |       |
| Research Writing - one course  |   |       |
| Select 3 hours from the corresponding College of Arts & Sciences distribution list |   | 3     |
| Literature in Context - one course   |   |       |
| Select 3 hours from the corresponding College of Arts & Sciences distribution list |   | 3     |
| Communication & Media Literacy -- one course                                       |   |       |
| Select 3 hours from the corresponding College of Arts & Sciences distribution list |   | 3     |
| Contemporary Social Issues -- one course   |   |       |
| Select 3 hours from the corresponding College of Arts & Sciences distribution list |   | 3     |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience      | 3     |
| PHI 1310   | Computer Ethics   | 3     |
| ECO 1305   | Issues in Economics for Non-Business Majors   | 3     |
| REL 1310   | The Christian Scriptures  | 3     |
| REL 1350   | The Christian Heritage  | 3     |
| Foreign Language (one language through 1302 or equivalent)                         |   | 3-6   |
| <b>Lab Sciences</b>  |   |       |
| Select eight hours of corresponding lecture/labs from the following:               |   | 8     |
| BIO 1305 & BIO 1105  | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |       |
| BIO 1306 & BIO 1106  | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |       |
| CHE 1301 & CHE 1101  | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |       |
| CHE 1302 & CHE 1102  | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           |       |
| GEO 1405   | The Dynamic Earth   |       |
| GEO 1306 & GEO 1106  | The Earth Through Time and The Earth Through Time, Laboratory                         |       |
| PHY 1408   | General Physics for Natural and Behavioral Sciences I                                 |       |
| or PHY 1420  | General Physics I   |       |
| PHY 1409   | General Physics for Natural and Behavioral Sciences II                                |       |
| or PHY 1430  | General Physics II  |       |
| <b>Computer Science</b>  |   |       |
| CSI 1401   | Introduction to Programming I   | 4     |

|          |                                |   |
|----------|--------------------------------|---|
| CSI 1402 | Introduction to Programming II | 4 |
| CSI 2300 | Introduction to Data Science   | 3 |
| CSI 3374 | Software Project Management    | 3 |

A grade of "C" or better is required in all computer science hours counted toward major.

|                     |                                      |   |
|---------------------|--------------------------------------|---|
| <b>Data Science</b> |                                      |   |
| DSC 2334            | Computing and Computer Fundamentals  | 3 |
| DSC 2350            | Discrete Structures for Data Science | 3 |
| DSC 3310            | Cloud Computing                      | 3 |
| DSC 3334            | Algorithms and Data Structures       | 3 |
| DSC 3335            | Database Design & Application        | 3 |
| DSC 3344            | Analytics for Machine Learning       | 3 |
| DSC 4320            | Data Visualization                   | 3 |
| DSC 4354            | Cybersecurity for Data Science       | 3 |
| DSC 43C8            | Big Data                             | 3 |
| DSC 43C9            | Data Science Capstone                | 3 |

A grade of "C" or better is required in all Data Science hours counted toward major.

|                                   |                                     |   |
|-----------------------------------|-------------------------------------|---|
| <b>Mathematics and Statistics</b> |                                     |   |
| MTH 1321                          | Calculus I                          | 3 |
| MTH 1322                          | Calculus II                         | 3 |
| MTH 2311                          | Linear Algebra                      | 3 |
| STA 3381                          | Probability and Statistics          | 3 |
| STA 4373                          | Computational Methods in Statistics | 3 |

#### Other Requirements

##### Lifetime Fitness

Select one semester hour

##### Chapel

Complete two semesters of Chapel 2

##### Required Minor

Select 18-21 semester hours 18-21

Minors in Mathematics and Computer Science will not apply.

##### Advanced Work

"3000" or "4000" numbered courses minimum 36 semester hours

The requirements for a minor and advanced work are the same as for the Bachelor of Science in Computer Science degree.

#### Total Hours

117-123

## Computer Science Fellows, B.S.C.

### Computer Science Fellows Program

The Computer Science Fellows Program is designed for highly motivated students entering the School of Engineering & Computer Science with a wide range of interests who desire a more diverse experience across the disciplines. The program seeks to broaden Computer Science Fellows' backgrounds in their chosen area(s) of diversification while preparing them for graduate studies or for successful careers. The Computer Science Fellows is a major within the School of Engineering & Computer Science that allows Fellows to create an individualized course of study with the advice of a program Director who mentors them throughout the entire undergraduate experience. In the course of this mentoring process, the Director will in turn call upon the expertise of professors in other departments for assistance in serving the needs of the Fellow.

## Admission to the Program

Admission to the Computer Science Fellows Major is competitive and is separate from and subsequent to admission to Baylor University. Although the major is designed to appeal to students with high ACT/ SAT scores and class rank, or National Merit designees, admission is not based solely on scores and grades. Consideration is given to students with genuine intellectual curiosity, who have a desire to excel in computer science studies and take advantage of collaborative, cross-disciplinary undergraduate research.

For new students, after admission to the University and successful completion of their first semester (including CSI 1430 Introduction to Computer Science I with Laboratory), applicants must apply in writing to the Program Director of the Computer Science Fellows Major. The application includes three letters of recommendation from current or former teachers and an essay explaining how the applicant would benefit from the major. Acceptances are made on a rolling basis, and letters of admission are sent in the month following receipt of a complete application.

The major is open to incoming freshman or transfer students with at least three years or 90 hours remaining to complete their undergraduate degree at Baylor. Students who enter late, i.e., after their freshman year or as a transfer student with more than 36 Baylor credit hours, need to seek a special waiver to this requirement from the Program Director before they can be admitted to the program.

## Maintaining Computer Science Fellow Status

Computer Science Fellows will be required to maintain a 3.5 GPA through their sophomore-level courses (including CSI 3471 Software Engineering I, CSI 3344 Introduction to Algorithms and MTH 1322 Calculus II). Once admitted to the Upper Division of the Computer Science Fellows program (courses beyond those listed above), they must have at least a 3.25 GPA to graduate. If dismissed from the program, students must then fulfill the general requirements of the University as well as requirements for a different major to graduate.

## The Independent Reading List

In addition to the assigned texts in the Computer Science Fellows courses, each Fellow will, with the advice and approval of his or her Research Advisor, compose a list of computer science texts and related works. The Fellow will study the additional works independently throughout the junior year in CSF 3101 Advanced Readings and Research I, "Independent Readings I," and CSF 3102 Advanced Readings and Research II, "Independent Readings II," in preparation for his or her Senior thesis project.

## The Junior Readings Interview

Computer Science Fellows will take CSF 3001 Independent Reading Survey, an interview addressing their independent readings lists, in the spring semester of the junior year. They will meet with a committee composed of faculty members (including their Research Advisor) and a senior Computer Science Fellow to demonstrate their knowledge of the selected texts and related works. Upon approval of the Fellows Committee, the student will be permitted to proceed with work on the senior thesis.

## The Senior Thesis

During their senior year, Computer Science Fellows will be approved to register for CSF 4V01 Research/Fellows Thesis I and CSF 4302 Fellows Thesis, "Senior Computer Science Fellows," preparing and submitting an extended study on a research topic based on the readings and research

conducted during their junior year. The program directors, including the respective Research Advisors, will approve the topic or project and evaluate the completed thesis.

## Course Requirements

The BSC degree with a major in Computer Science Fellows has the following course requirements<sup>1</sup>:

| Code   | Title  | Hours |
|--|--|-------|
| <b>Required Courses</b>  |  |       |
| REL 1310   | The Christian Scriptures   | 3     |
| REL 1350   | The Christian Heritage   | 3     |
| Two semesters of Chapel  |  | 0     |
| MTH 1321   | Calculus I   | 3     |
| MTH 1322   | Calculus II  | 3     |
| MTH 2311   | Linear Algebra   | 3     |
| Eight semester hours of science courses with associated labs chosen from among Biology, Chemistry, Geology, Neuroscience, or Physics. Each course must apply to a major in its department. |  | 8     |
| STA 3381   | Probability and Statistics   | 3     |
| <b>Computer Science Courses</b>  |  |       |
| CSI 1430   | Introduction to Computer Science I with Laboratory   | 4     |
| CSI 1440   | Introduction to Computer Science II with Laboratory  | 4     |
| CSI 2334   | Introduction to Computer Systems   | 3     |
| CSI 2350   | Discrete Structures  | 3     |
| CSI 3334   | Data Structures  | 3     |
| CSI 3344   | Introduction to Algorithms   | 3     |
| CSI 3471   | Software Engineering I   | 4     |
| Five additional upper-level CSI courses  |  | 15    |
| CSF 3101   | Advanced Readings and Research I (junior independent readings course)  | 1     |
| CSF 3102   | Advanced Readings and Research II (junior independent readings course)   | 1     |
| CSF 3001   | Independent Reading Survey (an exit survey to summarize a student's independent readings, and ascertain readiness for the senior thesis) | 0     |
| CSF 4V01   | Research/Fellows Thesis I  | 1-3   |
| CSF 4302   | Fellows Thesis <sup>2</sup>  | 3     |
| CSF 4001   | Senior Exit Survey   | 0     |
| CSI 4010   | Undergraduate Research Seminar   | 0     |
| Completion of 124 hours, including 36 hours of "3000" - "4000" level credits   |  |       |

The requirements for advanced credit, residence, chapel, and maximum credit are the same as for the Bachelor of Science in Computer Science degree. Additional information about requirements is listed under the "General University Regulations." Computer Science Fellows are not permitted to declare additional majors. Committee approval is required for graduation.

### Total Hours

71-73

<sup>1</sup> Students who enter the CSF program after the fall of their freshman year should meet with the CSF Director to discuss how best to complete the required courses.

<sup>2</sup> Presentation in the annual ECS Scholar's Day is mandatory for the fulfillment of CSF 4302 Fellows Thesis.

## Computer Science, B.A. Bachelor of Arts, Major in Computer Science

The B.A. student may choose a major or a minor in computer science. See the College of Arts & Sciences (p. 253) section of this catalog for the required courses of study.

## Engineering Semester Hour Requirements

The engineering degrees require a minimum of 127 semester hours. A semester hour is generally one fifty-minute classroom or one three-hour laboratory session per week. Some engineering courses have additional sessions scheduled to facilitate non-lecture group project activities or testing sessions.

## Program Overview

Engineering graduates design and implement products and systems that touch virtually every aspect of our lives. They are involved with telecommunications, computer systems, automobiles, aircraft and spacecraft, power plants, robotics, machinery of all types, medical equipment and prosthetics, home appliances, and manufacturing systems, to name a few. Many graduates continue their professional education by attending graduate school programs in engineering, law, medicine, or business.

Each of the three engineering programs builds on a common core of basic sciences and mathematics, humanities and social sciences, and engineering sciences developed primarily in the first two years of study. Mathematics and basic sciences provide the technical foundation for the engineering curriculum. The engineering sciences introduce basic areas of engineering and represent the bridge between the basic sciences and mathematics, on which they build, and the more advanced engineering applications and engineering design to which they lead. The humanities and social sciences component of the curriculum helps to prepare the student for the human and social influences on engineering applications and design and for increased appreciation and fulfillment in the broader aspects of life and culture. Other requirements include courses that contribute to communication and computer skills, ethics, engineering economics, and additional electives.

The Baylor engineering programs integrate design throughout the curriculum, with special emphasis in specific courses usually taken in the first freshmen semester, the first junior semester, and final senior semester, as well as in other courses in the program. Juniors take an engineering design course that teaches design methodology and the creative aspects of engineering. In addition, all students complete other courses with design content in their chosen major as well as a senior design course which emphasizes design of open-ended projects by multidisciplinary teams. These broadly-based engineering programs prepare students for the complex and multidisciplinary problems that face our contemporary society. These programs are designed to be completed in four years.

The Electrical and Computer Engineering and Mechanical Engineering programs contain a twenty-one hour mathematics core which meets

the course requirements for a mathematics minor. The minor must be approved by the Department of Mathematics.

## Requirements for Incoming Engineering Students

Most engineering courses require the use of a programmable calculator or software-based engineering tools typical of those used in the engineering profession. The most up-to-date equipment requirements can be found at [www.ecs.baylor.edu/equipment](http://www.ecs.baylor.edu/equipment) (<https://www.ecs.baylor.edu/?id=962189>). The laptop's software must include the currently adopted MS-Windows operating system and a number of other software packages. From time to time, each student will be required to purchase additional software as required for specific classes. Each student is required to maintain his or her laptop and its software in good working order until they graduate from the engineering program. Each student is solely responsible for software upgrades and the resolution of any compatibility problems related to the laptop's hardware.

## Pre-Engineering Status

The School of Engineering and Computer Science offers three engineering majors: Mechanical Engineering, Electrical and Computer Engineering, and Engineering. Students who wish to pursue engineering at Baylor will be required to begin in the non-degree-granting Pre-Engineering major. Incoming Pre-Engineering majors must be eligible to register for MTH 1321 Calculus I by meeting the prerequisite established by the Department of Mathematics. Credit or concurrent enrollment in is required to enroll in MTH 1321 Calculus I is required to enroll in EGR 1301 Introduction to Engineering. Students who are unable to qualify for MTH 1321 Calculus I must declare a major other than Pre-Engineering until they are eligible to register for this course.

To register for MTH 1321 Calculus I, you must meet any ONE of the following criteria:

1. A qualifying SAT/ACT score: RSAT math of at least 650 or SAT math of at least 630 or ACT math of at least 27;
2. A grade of B- or better in MTH 1320 (Pre-Calculus);
3. A score of 80 or better on the ALEKS math placement test.

To move into one of the degree-granting majors (Mechanical Engineering, Electrical and Computer Engineering, or Engineering), Pre-Engineering students must successfully complete the progression requirements below:

- Complete EGR 1301 Introduction to Engineering and EGR 1302 Introduction to Engineering Analysis with a grade of "B" or better
- Complete first-year mathematics courses (including at least one of the following courses: MTH 1321 Calculus I, MTH 1322 Calculus II, MTH 2311 Linear Algebra, or MTH 2321 Calculus III with a grade of "C" or better

Students who fail to meet these progression requirements will not be allowed to continue as a Pre-Engineering major. They will be transitioned to the "BA Undecided" major and encouraged to explore other major options at the University that may better fit their God-given strengths.

## Internal Transfer Policy into Pre-Engineering

Students who wish to enter Pre-Engineering after matriculating to Baylor must earn 12 credit hours in residence and a minimum 3.0 cumulative GPA in order to apply. Overall proficiency in math and science courses

will be evaluated, and students must either have earned credit for or be eligible to enroll in MTH 1321 (Calculus 1). Internal transfer students are subject to all Pre-Engineering policies and procedures. Students can submit a Change of Major Request Form through Bearweb to be reviewed for eligibility for Pre-Engineering. The Director of Advising will review requests in accordance with the established policy.

## External Transfer Policy into Pre-Engineering

All external transfer students must begin in Pre-Engineering and may only enter with a minimum 3.0 transfer GPA. Students must either have earned credit or be eligible to enroll in MTH 1321 Calculus I. External transfer students are subject to all Pre-Engineering policies and procedures. Upon entering Pre-Engineering, external transfer students who are transferring any engineering courses will be reviewed for eligibility to declare a degree-granting major.

## Foreign Language & Culture (FLC) Requirement

The Foreign Language and Culture (FLC) requirement can be satisfied by any of the following means:

1. Completing second-level proficiency (1302/1412 or higher) in a Foreign or Classical Language (minimum 3 hours)
  - a. ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA, GKC, HEB, LAT
2. Completing second-level proficiency (1406 or higher) in American Sign Language (minimum 3 hours)
  - a. CSD
3. Taking 3 hours of a Culture course included on the FLC Distribution List for Engineering Programs

### Foreign Language & Culture (FLC) Distribution List for Engineering Programs

| Code          | Title  | Hours |
|---------------|--|-------|
| ANT 1305      | Introduction to Anthropology                             | 3     |
| ANT 1306      | Cultural Anthropology in Global Context                  | 3     |
| ANT 1325      | Introduction to Global Health                            | 3     |
| ANT 3301      | Science, Society, and Culture                            | 3     |
| ANT 3340      | Indigenous Cultures of Modern Mexico and Central America | 3     |
| ANT 3350      | Native North Americans                                   | 3     |
| ANT/AST 4310  | Societies and Cultures of East Asia                      | 3     |
| ANT/GEOG 1310 | Cultural Geography                                       | 3     |
| ANT/GEOG 1310 | Cultural Geography                                       | 3     |
| ANT/SOC 4320  | Culture, Personality and Identity                        | 3     |
| ARB 2320      | Arabic Popular Culture                                   | 3     |
| AST 2380      | The Peoples and Culture of Asia                          | 3     |
| AST/HIS 3305  | Traditional China  | 3     |
| AST/HIS 3307  | Japan  | 3     |
| AST 4388      | Contemporary Chinese Society and Culture                 | 3     |
| CHI 2320      | Intermediate Chinese for Communication                   | 3     |
| CHI 3305      | Chinese for Business I                                   | 3     |
| CHI 3306      | Chinese for Business II                                  | 3     |
| CHI 3310      | Chinese Language and Culture through Films               | 3     |

|               |   |   |
|---------------|---|---|
| CLA 3301      | Roman History and Civilization  | 3 |
| CLA 3302      | Greek History and Civilization  | 3 |
| FAS 1311      | Freshman Academic Seminar: Modern Languages, Cultures, and Global Communities | 3 |
| FRE 2320      | Passport to the French-Speaking World   | 3 |
| FRE 2321      | French for Health Professions   | 3 |
| FRE 3301      | Advanced French Grammar   | 3 |
| FRE 3302      | Conversational French   | 3 |
| FRE 3308      | French and Francophone Pop Culture  | 3 |
| FRE 3310      | Introduction to French Literature   | 3 |
| FRE 3330      | Introduction to French Cinema   | 3 |
| FRE/FDM 4330  | Survey of French Cinema   | 3 |
| GER 2320      | German for Modern Life  | 3 |
| GER 3301      | German Conversation and Composition   | 3 |
| GER 3341      | Introduction to German Culture: Germany in the Making                         | 3 |
| GER 3345      | Introduction to German Film: German Culture from Berlin to Hollywood          | 3 |
| GRK 2320      | Intermediate Greek Poetry   | 3 |
| HEB 2320      | Intermediate Hebrew II  | 3 |
| ITA 2320      | Pathways in Italian Culture   | 3 |
| ITA 3301      | Advanced Italian Grammar  | 3 |
| ITA 3302      | Italian Conversation, Reading, and Composition                                | 3 |
| ITA 3310      | Introduction to Italian Literature  | 3 |
| ITA 3330      | Italian Through Film  | 3 |
| JPN 2320      | Exploring Japan   | 3 |
| JPN 3301      | Advanced Japanese I   | 3 |
| JPN 3302      | Japanese Culture through Reading  | 3 |
| JPN 3305      | Japanese for the Professions  | 3 |
| JPN 3306      | Japanese Cinema   | 3 |
| JPN/THEA 3352 | Japanese Theatre and CultureJapanese Theatre and Culture                      | 3 |
| KOR 2320      | Intermediate Korean II  | 3 |
| LAS 1301      | Latin American Nations and People   | 3 |
| LAS 2301      | An Introduction to Latin American Studies                                     | 3 |
| LAT 2320      | Intermediate Latin Poetry   | 3 |
| LING/ENG 3319 | Language and Culture  | 3 |
| MES 2301      | Introduction to the Middle East   | 3 |
| MUS 3321      | Music in World Cultures   | 3 |
| MUS 4361      | Traditional Music and Culture in Africa                                       | 3 |
| MUS/AST 4362  | Traditional Music and Culture in Asia   | 3 |
| MUS/LAS 4364  | Traditional Music and Culture in Latin America                                | 3 |
| PHI 4331      | Latin American Philosophy   | 3 |
| PHI 4341      | Contemporary Continental Philosophy   | 3 |
| POR 2320      | Exploring the Portuguese-Speaking World                                       | 3 |
| PSC 3315      | Fundamentals of International Politics  | 3 |
| PSC 4303      | International Human Rights  | 3 |
| PSC 4304      | Governments and Politics of Latin America                                     | 3 |
| PSC 4305      | International Law   | 3 |
| PSC 4314      | Government and Politics of Mexico   | 3 |



|               |   |   |
|---------------|---|---|
| PSC/AST 4325  | Asian International Relations                           | 3 |
| PSC 4334      | Governments and Politics of the Middle East             | 3 |
| PSC 4344      | Government and Politics of Russia                       | 3 |
| PSC 4365      | International Political Economics                       | 3 |
| PSC/AST 3314  | Politics and Problems of Developing Countries           | 3 |
| PSC/AST 4364  | The Governments and Politics of the Asia-Pacific Region | 3 |
| PSC/AST 4374  | Governments and Politics of East Asia                   | 3 |
| REL 4343      | Topics in Islam   | 3 |
| REL 4347      | Topics in African Religions                             | 3 |
| REL 4348      | Modern Judaism  | 3 |
| REL/AST 3345  | World Religions   | 3 |
| REL/AST 4346  | Topics in Asian Religions                               | 3 |
| RUS 2320      | Russian Culture in Context                              | 3 |
| RUS 3301      | Russian Conversation and Composition                    | 3 |
| SEES/HIS 2380 | Introduction to Slavic and East European Studies I      | 3 |
| SEES/HIS 2381 | Introduction to Slavic and East European Studies        | 3 |
| SOC 3318      | Mexican-Americans in U.S. Society                       | 3 |
| SPA 2304      | Intermediate Spanish for Heritage Speakers              | 3 |
| SPA 2320      | Exploring the Spanish-Speaking World                    | 3 |
| SPA 2321      | Intermediate Spanish for Health Professions             | 3 |
| SPA 2322      | Spanish for Christian Ministry                          | 3 |
| SPA 2324      | Spanish for Business                                    | 3 |
| SPA 3302      | Conversation and Composition                            | 3 |
| SPA 3309      | Introduction to Spanish Linguistics                     | 3 |
| SWA 2320      | Intermediate Swahili II                                 | 3 |
| THEA/JPN 3352 | Japanese Theatre and Culture                            | 3 |

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- Engineering (B.S.E.) (p. 349)
- Mechanical Engineering (B.S.M.E.) (p. 350)

## Engineering & Computer Science (ECS)

### ECS 1101 ECS Leadership Development Seminar (1)

Pre-requisite(s): For engineering and computer science students only  
Provides insights into a student's present leadership strength and development needs. Prepares students for leadership positions, focusing on topics such as a philosophy of leadership, the role of power and authority in leadership, ethics, and goal setting for leadership development.

### ECS 1V10 Renaissance Scholar: Technology and the Arts (1-3)

Pre-requisite(s): Consent of instructor

A Renaissance Scholar is someone who is conversant across the entire range of human knowledge, from science to philosophy and technology to literature. Through the ages, people have strived to find meaning in their lives, to understand the world around them, and to use their creativity and ingenuity to improve both. Baylor's summer Renaissance Scholar program starts students on the path toward joining the ranks of the great scholars of the past. Issues of both historical and contemporary interest are considered from the perspectives of science, technology, literature, philosophy, theology, and even contemporary film. Students complement readings in the great texts of the world with the design, development, and implementation of two ancient engineering projects. Emphasis is placed on the theory and practical application of scientific and engineering concepts such as the harnessing of energy and the mythical stories that have inspired such activity, the desire for exploration, and the quest for knowledge ranging from ancient tales of self-discovery to the modern exploration of the cosmos.

### ECS 1V90 Special Topics in Freshman Engineering and Computer Science (1-4)

Introductory topics in engineering or computer science. The course may be repeated when topics vary.

### ECS 2101 ECS Professional Development (1)

Pre-requisite(s): Only open to majors in the School of Engineering and Computer Science

Personal development and branding, professional etiquette, resume production, career research, and interviewing skills. Exploration of career options, including assessments, internships, job search process, and graduate school admission. Topics will be customized for students pursuing majors in the School of Engineering and Computer Science.

### ECS 3301 Peer Leadership (3)

The class equips students to serve as peer leaders to new students in their first semester at Baylor.

## Electrical and Computer Engineering (B.S.E.C.E.)

The Electrical and Computer Engineering curriculum consists of two main course stems. In the electrical stem, students study signals and systems, electromagnetics, electronic circuit design and control systems design. In the computer stem, students study digital logic design, computer organization, embedded computer systems, hardware/software design and digital signal processing. With these two required stems, students gain a foundation in the major areas of electrical and computer engineering and are prepared for careers in a broad spectrum of industries. Elective courses allow a student to study a specialized field of interest, including areas like communication and networking, signal and image processing, optics and photonics, control and robotics, digital and embedded systems, wireless and microwave systems, and power and energy systems.

## Electrical and Computer Engineering Mission Statement

The mission of the Electrical and Computer Engineering program is to educate students within a caring Christian environment, in the discipline of electrical and computer engineering. We want our graduates to be motivated by Christian ideals and to view their career as a lifelong commitment to serving others. We strive to provide our students with



a strong technical foundation with an emphasis on professional, moral, ethical and leadership development.

## BSECE Program Educational Objectives

Within a few years after graduation, Baylor BSECE graduates will:

- Be productive and valuable engineers.
- Be successful in high-quality MS, PhD, JD, MBA, and MD programs.
- Be mindful of the moral and ethical relationships that their engineering decisions have with society and the world.
- Make positive contributions to their communities, churches, and society at large.

## BSECE Expected Graduate Outcomes

In support of the program objectives, graduates of the program must demonstrate that they have:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## B.S.E.C.E. Degree Requirements

| Code   | Title   | Hours |
|--|---|-------|
| <b>Required Courses</b>                          |   |       |
| Minimum 128 hours including the following:       |   |       |
| <i>Humanities and Social Sciences</i>            |   |       |
| <b>Literature</b>                                |   |       |
| GTX 2301   | Intellectual Traditions of the Ancient World : Literature and Thought | 3     |
| Select one additional course from the following: |   | 3     |
| GTX 2302   | Medieval Intellectual Traditions: Literature and Thought in Context   |       |
| ENG 2301   | British Literature  |       |
| ENG 2304   | American Literature   |       |
| ENG 2306   | World Literature  |       |
| ENG 2310   | American Literary Cultures  |       |
| REL 1310   | The Christian Scriptures  | 3     |
| REL 1350   | The Christian Heritage  | 3     |
| <b>Foreign Language and Culture</b>              |   |       |

Select one course from the Foreign Language and Culture Distribution List for Engineering Programs. Second level proficiency must be reached if a foreign language is chosen.

|             |  |   |
|-------------|--|---|
| ENG 2301    | British Literature   | 3 |
| or PSC 1387 | The U.S. Constitution, Its Interpretation, and the American Political Experience |   |

### Chapel

|                                  |   |
|----------------------------------|---|
| Complete two semesters of Chapel | 0 |
|----------------------------------|---|

### Mathematics and Basic Sciences

|          |  |   |
|----------|--|---|
| CHE 1301 | Basic Principles of Modern Chemistry I | 3 |
| MTH 1321 | Calculus I                             | 3 |
| MTH 1322 | Calculus II                            | 3 |
| MTH 2311 | Linear Algebra                         | 3 |
| MTH 2321 | Calculus III                           | 3 |
| MTH 3325 | Ordinary Differential Equations        | 3 |
| STA 3381 | Probability and Statistics             | 3 |
| PHY 1420 | General Physics I                      | 4 |
| PHY 1430 | General Physics II                     | 4 |

### Mathematics Elective – one course

Select one course from the following: 3

|          |   |  |
|----------|---|--|
| MTH 3324 | Numerical Methods                           |  |
| MTH 3326 | Partial Differential Equations              |  |
| MTH 3370 | Mathematical Methods of Operations Research |  |
| MTH 4322 | Numerical Analysis                          |  |
| MTH 4324 | Systems of Ordinary Differential Equations  |  |
| MTH 4329 | Theory of Functions of a Complex Variable   |  |
| STA 4374 | Statistical Process Control                 |  |
| ME 4327  | Numerical Methods for Engineers             |  |

### Other Requirements

#### Writing/Communication

|          |                                       |   |
|----------|---------------------------------------|---|
| ENG 1310 | Writing and Academic Inquiry Seminars | 3 |
| PWR 3300 | Technical Writing                     | 3 |

#### Engineering Economics

|          |                               |   |
|----------|-------------------------------|---|
| ECO 3308 | Engineering Economic Analysis | 3 |
|----------|-------------------------------|---|

#### Ethics Elective

|             |  |   |
|-------------|--|---|
| EGR 3305    | Social and Ethical Issues in Engineering | 3 |
| or EGR 3315 | Ethics of International Service          |   |

#### Lifetime Fitness

|                      |   |
|----------------------|---|
| Select three courses | 3 |
|----------------------|---|

#### New Student Experience

|          |                                    |   |
|----------|------------------------------------|---|
| EGR 1101 | Engineering New Student Experience | 1 |
|----------|------------------------------------|---|

### Electrical and Computer Engineering Major

|          |  |   |
|----------|--|---|
| EGR 1301 | Introduction to Engineering                        | 3 |
| EGR 1302 | Introduction to Engineering Analysis               | 3 |
| CSI 1430 | Introduction to Computer Science I with Laboratory | 4 |
| ELC 2337 | Digital Logic Design                               | 3 |
| ELC 2137 | Digital Logic Design Laboratory                    | 1 |
| ELC 2330 | Electrical Circuit Theory                          | 3 |
| ELC 2130 | Electrical Circuit Laboratory                      | 1 |
| ELC 3114 | Electronic Design Laboratory                       | 1 |
| ELC 3314 | Electronic Design                                  | 3 |

|   |  |    |
|---|--|----|
| ELC 3335                                | Signals and Systems                                    | 3  |
| ELC 3336                                | Microprocessor Systems                                 | 3  |
| ELC 3337                                | Applied Electromagnetic Fields                         | 3  |
| ELC 3338                                | Computer Organization                                  | 3  |
| ELC 4332                                | Automatic Control Systems                              | 3  |
| ELC 4351                                | Digital Signal Processing                              | 3  |
| ELC 4438                                | Embedded Systems Design                                | 4  |
| EGR 3380                                | Engineering Design I                                   | 3  |
| EGR 4390                                | Engineering Design II                                  | 3  |
| Select four courses from the following: |  | 12 |
| EGR 3V95                                | Internship Experience                                  |    |
| EGR 4375                                | Elements of Nuclear Engineering                        |    |
| ELC 4311                                | Advanced Logic Design                                  |    |
| ELC 4318                                | Avionics System Design                                 |    |
| ELC 4320                                | Introduction to Optics                                 |    |
| ELC 4321                                | Computational Photonics                                |    |
| ELC 4322                                | Integrated Photonics                                   |    |
| ELC 4323                                | Solid-State Materials                                  |    |
| ELC 4324                                | Semiconductor Devices                                  |    |
| ELC 4325                                | Fundamentals of Lasers                                 |    |
| ELC 4329                                | Introduction to Microfabrication                       |    |
| ELC 4330                                | Introduction to Robotics                               |    |
| ELC 4331                                | Electric Machines and Drives                           |    |
| ELC 4340                                | Power Systems  |    |
| ELC 4345                                | Power Electronics                                      |    |
| ELC 4350                                | Principles of Communication                            |    |
| ELC 4353                                | Image Formation and Processing                         |    |
| ELC 4357                                | Cardiovascular Engineering and Instrumentation         |    |
| ELC 4366                                | Quantum Mechanics for Engineers                        |    |
| ELC 4367                                | Introduction to Quantum Computing                      |    |
| ELC 4372                                | Bioinstrumentation                                     |    |
| ELC 4377                                | Solar Energy   |    |
| ELC 4378                                | Introduction to Biosensors                             |    |
| ELC 4381                                | Antennas and Wireless Propagation I                    |    |
| ELC 4383                                | RF/Microwave Circuits I                                |    |
| ELC 4384                                | RF/Microwave Circuits II                               |    |
| ELC 4396                                | Special Topics in Electrical or Computer Engineering   |    |
| ELC 4V97                                | Special Projects in Electrical or Computer Engineering |    |

A grade of "C" or better in all of the Electrical and Computer Engineering hours counted towards major.

**Total Hours**

**128**

## Engineering (B.S.E.)

Students wishing to study General Engineering will declare their major as simply "Engineering." This major offers an accredited engineering degree with career flexibility. General Engineering students are required to take the same core courses common to other engineering majors at Baylor, plus additional upper-level classes in both Electrical and Computer Engineering and Mechanical Engineering. This program is intended for students who desire a broader, less specialized exposure to the

engineering disciplines, who are seeking a career outside of the typical career paths of Electrical and Computer Engineering or Mechanical Engineering, or who wish to supplement their engineering degrees with an additional area of study. Graduates of this program, depending on their choice of concentration or minor(s), will be well-qualified to enter diverse fields such as patent law, medicine, petroleum and energy, biomedical engineering, public policy, or humanitarian engineering.

The Humanitarian Engineering concentration is designed to prepare students to be engineers in the non-profit sector. Students graduating with the Humanitarian Engineering (HE) concentration might work on projects such as refugee shelter design, water well access in developing countries, or renewable energy systems for remote clinics, for example. Whether working in support of governments, private companies, non-profit organizations, or Christian mission groups, HE students will be exposed to the ethics and cultural humility, technologies, social enterprise, and environmental issues they are likely to encounter working in this sector.

## General Engineering Mission Statement

The mission of the General Engineering program is to educate students within a caring Christian environment, in the disciplines of engineering. We want our graduates to be motivated by Christian ideals and view their career as a lifelong commitment to others. We strive to provide our students with a technical foundation that is both broad and strong, with an emphasis on professional, moral, ethical and leadership development.

## BSE Program Educational Objectives

Within a few years after graduation, Baylor BSE graduates will:

- Establish themselves as competent, successful, and responsible members within their chosen career vocation.
- Make career and professional judgements, including moral and ethical considerations, informed by Christian ideals.
- Pursue opportunities for new knowledge and advancing skills through venues such as post-baccalaureate studies, continuing education, or mission field training.

## BSE Expected Graduate Outcomes

In support of the program objectives, graduates of the program must demonstrate that they have:

1. an ability to identify, formulate, and solve complex engineering problems by a applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions

7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## B.S.E. Degree Requirements

| Code  | Title  | Hours |
|---|--|-------|
| <b>Required Courses</b>   |  |       |
| Minimum 130 hours including the following:  |  |       |
| <i>Humanities and Social Sciences</i>   |  |       |
| Literature  |  |       |
| GTX 2301  | Intellectual Traditions of the Ancient World : Literature and Thought            | 3     |
| Select one additional course from the following:  |  | 3     |
| GTX 2302  | Medieval Intellectual Traditions: Literature and Thought in Context              |       |
| ENG 2301  | British Literature   |       |
| ENG 2304  | American Literature  |       |
| ENG 2306  | World Literature   |       |
| ENG 2310  | American Literary Cultures   |       |
| Religion  |  |       |
| REL 1310  | The Christian Scriptures   | 3     |
| REL 1350  | The Christian Heritage   | 3     |
| Foreign Language and Culture  |  |       |
| Select one course from the Foreign Language and Culture Distribution List for Engineering Programs. Second level proficiency must be reached if a foreign language is chosen. |  | 3     |
| Additional Courses  |  |       |
| ENG 2301  | British Literature   | 3     |
| or PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience |       |
| Chapel – two semesters  |  | 0     |
| <i>Mathematics and Basic Sciences</i>   |  |       |
| CHE 1301  | Basic Principles of Modern Chemistry I   | 3     |
| MTH 1321  | Calculus I   | 3     |
| MTH 1322  | Calculus II  | 3     |
| MTH 2311  | Linear Algebra   | 3     |
| MTH 2321  | Calculus III   | 3     |
| MTH 3325  | Ordinary Differential Equations  | 3     |
| STA 3381  | Probability and Statistics   | 3     |
| One additional “3000” or “4000” level approved math or science class  |  | 3     |
| PHY 1420  | General Physics I  | 4     |
| PHY 1430  | General Physics II   | 4     |
| <i>Other Requirements</i>   |  |       |
| Writing/Communication   |  |       |
| ENG 1310  | Writing and Academic Inquiry Seminars  | 3     |
| PWR 3300  | Technical Writing  | 3     |
| Engineering Economics   |  |       |
| EGR 2108  | Engineering Economics  | 1     |
| Ethics  |  |       |
| EGR 3305  | Social and Ethical Issues in Engineering   | 3     |
| Lifetime Fitness – three courses  |  | 3     |
| New Student Experience  |  |       |
| EGR 1101  | Engineering New Student Experience   | 1     |

|  |   |                |
|--|---|----------------|
| <i>Engineering Major</i>   |   |                |
| EGR 1301   | Introduction to Engineering                                 | 3              |
| EGR 1302   | Introduction to Engineering Analysis                        | 3              |
| EGR 3380   | Engineering Design I  | 3              |
| EGR 4390   | Engineering Design II                                       | 3              |
| ME 2345  | Thermodynamics  | 3              |
| ELC 2330 & ELC 2130  | Electrical Circuit Theory and Electrical Circuit Laboratory | 4              |
| ELC 3335   | Signals and Systems   | 3              |
| ME 2320  | Statics   | 3              |
| ME 2321  | Dynamics  | 3              |
| ME 3420  | Instrumentation and Measurements                            | 4              |
| Select one of the following:   |   | 4              |
| ELC 2337/2137  | Digital Logic Design  |                |
| CSI 1430   | Introduction to Computer Science I with Laboratory          |                |
| CSI 1401   | Introduction to Programming I                               |                |
| Approved Engineering electives   |   | 12-13          |
| A grade of “C” or better in all of the Engineering hours counted towards the major.  |   |                |
| <i>Concentration Requirements</i>  |   |                |
| Select a minimum of 18 hours from the following:   |   | 18             |
| Any minor offered by the university other than Engineering or Mathematics. Note that an additional minor in Mathematics can be completed by the proper choice of 2c, but it will not satisfy this requirement.   |   |                |
| An established targeted concentration in Biomedical, Geo/Petro, Environmental, or Humanitarian Engineering. The Biomedical concentration requires specific biomedical engineering courses in biomaterials, biomechanics, and bioinstrumentation. The Geo/Petro concentration further requires geology courses aimed at careers in the energy industry. The Environmental concentration builds upon environmental science coursework in air and water quality analysis. The Humanitarian Engineering concentration is aimed toward engineers who wish to pursue missions-related careers in bettering the lives of populations in developing countries. |   |                |
| <b>Total Hours</b>   |   | <b>130-131</b> |

## Mechanical Engineering (B.S.M.E.)

The Mechanical Engineering curriculum consists of two main course stems. In the thermal/fluids stem, students study fluid mechanics, heat transfer and thermodynamics. In the materials/mechanical systems stem, students study engineering materials, manufacturing processes, control systems and machine design. With these two required stems, students gain a foundation for the major areas of mechanical engineering and are prepared to enter a variety of industries. In addition to the required stems, students can further specialize by choosing electives in the areas of sustainable engineering, energy systems design, analysis and design of propulsion systems, advanced structural analysis, computational methods for fluids-thermo, biomaterials, biomechanics, aeronautics, robotics, and other topics. These electives add to the student's ability to apply fundamentals and to design machines and energy systems.

## Mechanical Engineering Mission Statement

The mission of the Mechanical Engineering undergraduate program is to educate students, within a caring Christian environment, in the discipline of mechanical engineering. Our graduates will be equipped with the fundamental technical, communication, and teamwork skills to succeed in their chosen careers. They will be empowered by innovative problem-solving creativity and an entrepreneurial mindset. They will be motivated by Christian ideals and a vocational calling to improve the quality of life worldwide.

## BSME Program Educational Objectives

Within a few years after graduation, Mechanical Engineering graduates will:

- Have a career informed by Christian ideals and a vocational calling to improve people's quality of life worldwide.
- Be recognized as competent, successful, and ethical in their profession or in advanced study, whether in engineering or a related field.
- Take initiative to pursue knowledge and develop skills within their profession through graduate school or by continuing education.

## BSME Expected Graduate Outcomes

In support of the program objectives, graduates of the program must demonstrate that they have:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## B.S.M.E. Degree Requirements

| Code                                       | Title   | Hours |
|--|---|-------|
| <b>Required Courses</b>                    |   |       |
| Minimum 128 hours including the following: |   |       |
| <i>Humanities and Social Sciences</i>      |   |       |
| Literature                                 |   |       |
| GTX 2301                                   | Intellectual Traditions of the Ancient World : Literature and Thought | 3     |
| Select one additional course from:         |   | 3     |

|   |  |                |
|---|--|----------------|
| GTX 2302  | Medieval Intellectual Traditions: Literature and Thought in Context              |                |
| ENG 2301  | British Literature   |                |
| ENG 2306  | World Literature   |                |
| ENG 2304  | American Literature  |                |
| ENG 2310  | American Literary Cultures   |                |
| <b>Religion</b>   |  |                |
| REL 1310  | The Christian Scriptures   | 3              |
| REL 1350  | The Christian Heritage   | 3              |
| Select one course from the Foreign Language and Culture Distribution List for Engineering Programs. Second level proficiency must be reached if a foreign language is chosen. |  | 3              |
| <b>Foreign Language and Culture</b>   |  |                |
| Select 3 hours from the Foreign Language and Culture Distribution List for Engineering Programs.  |  | 3              |
| ENG 2301  | British Literature   | 3              |
| or PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience |                |
| Chapel—two semesters  |  | 0              |
| <b>Mathematics and Basic Sciences</b>   |  |                |
| CHE 1301  | Basic Principles of Modern Chemistry I   | 3              |
| MTH 1321  | Calculus I   | 3              |
| MTH 1322  | Calculus II  | 3              |
| MTH 2311  | Linear Algebra   | 3              |
| MTH 2321  | Calculus III   | 3              |
| MTH 3325  | Ordinary Differential Equations  | 3              |
| STA 3381  | Probability and Statistics   | 3              |
| PHY 1420  | General Physics I  | 4              |
| PHY 1430  | General Physics II   | 4              |
| <b>Other Requirements</b>   |  |                |
| <b>Writing/Communication</b>  |  |                |
| ENG 1310  | Writing and Academic Inquiry Seminars  | 3              |
| PWR 3300  | Technical Writing  | 3              |
| <b>Engineering Economics</b>  |  |                |
| EGR 2108  | Engineering Economics  | 1              |
| <b>Ethics Elective</b>  |  |                |
| EGR 3305  | Social and Ethical Issues in Engineering   | 3              |
| or EGR 3315   | Ethics of International Service  |                |
| Lifetime Fitness – three courses  |  | 3              |
| <b>New Student Experience</b>   |  |                |
| EGR 1101  | Engineering New Student Experience   | 1              |
| <b>Mechanical Engineering Major</b>   |  |                |
| Select one of the following two options:  |  | 61-67          |
| Option A - Mechanical Engineering Major (Mechanical Engineering Concentration)  |  |                |
| Option B - Mechanical Engineering Major (Aerospace Engineering Concentration)   |  |                |
| <b>Total Hours</b>  |  | <b>125-131</b> |

### Option A - Mechanical Engineering Major (Mechanical Engineering Concentration)

| Code                    | Title  | Hours |
|-------------------------|--|-------|
| <b>Required Courses</b> |  |       |
| EGR 1301                | Introduction to Engineering                                  | 3     |
| EGR 1302                | Introduction to Engineering Analysis                         | 3     |
| ELC 2320                | Electric Circuit Theory for non-ECE majors                   | 3     |
| EGR 2170                | Introduction to Computer Aided Design                        | 1     |
| EGR 3380                | Engineering Design I   | 3     |
| ELC 4335                | Systems Modeling and Control                                 | 3     |
| EGR 4390                | Engineering Design II  | 3     |
| ME 2320                 | Statics  | 3     |
| ME 2321                 | Dynamics (ME 2170)   | 3     |
| ME 2345                 | Thermodynamics   | 3     |
| ME 3122                 | Materials and Manufacturing Processes Lab                    | 1     |
| ME 3145                 | Thermal/Fluids Laboratory                                    | 1     |
| ME 3320                 | Strength of Materials  | 3     |
| ME 3321                 | Fluid Mechanics  | 3     |
| ME 3322                 | Mechanical Engineering Materials and Manufacturing Processes | 3     |
| ME 3323                 | Machine Design   | 3     |
| ME 3420                 | Instrumentation and Measurements                             | 4     |
| ME 3345                 | Advanced Thermodynamics                                      | 3     |
| ME 4325                 | Dynamic Systems  | 3     |
| ME 4327                 | Numerical Methods for Engineers                              | 3     |
| ME 4345                 | Heat Transfer  | 3     |

#### Engineering Electives

|  |  |   |
|--|--|---|
| Select three courses from the following: |  | 9 |
| EGR 3V95                                 | Internship Experience  |   |
| EGR 4361                                 | Conventional & Alternative Energy Systems                    |   |
| EGR 4375                                 | Elements of Nuclear Engineering                              |   |
| EGR 4396                                 | Special Topics in Engineering                                |   |
| EGR 4V97                                 | Special Projects in Engineering                              |   |
| BME 4370                                 | Biomaterials: Form and Function                              |   |
| BME 4374                                 | Biomechanics   |   |
| BME 4376                                 | Introduction to the Design and Evaluation of Medical Devices |   |
| ELC 4330                                 | Introduction to Robotics                                     |   |
| ELC 4372                                 | Bioinstrumentation   |   |
| ME 4305                                  | Sustainable Engineering                                      |   |
| ME 4320                                  | Computer-Aided Structural Analysis                           |   |
| ME 4322                                  | Computer-Aided Engineering and Design                        |   |
| ME 4323                                  | Mechanical Vibrations  |   |
| ME 4324                                  | Introduction to Finite Element Methods                       |   |
| ME 4330                                  | Introduction to Robotics                                     |   |
| ME 4336                                  | Energy Systems Design  |   |
| ME 4337                                  | Introduction to Computational Fluid Dynamics                 |   |
| ME 4339                                  | Tribology  |   |
| ME 4344                                  | Composite Materials  |   |
| ME 4346                                  | Introduction to Aeronautics                                  |   |
| ME 4347                                  | Analysis and Design of Propulsion Systems                    |   |

|         |  |  |
|---------|--|--|
| ME 4349 | Aircraft Structural Analysis                                 |  |
| ME 4350 | Aircraft Flight Dynamics and Control                         |  |
| ME 4356 | Introduction to Space Flight                                 |  |
| ME 4357 | Cardiovascular Engineering and Instrumentation               |  |
| ME 4360 | Renewable Energy Devices                                     |  |
| ME 4377 | Solar Energy   |  |
| ME 4382 | Selection of Materials and Manufacturing Processes in Design |  |
| ME 4384 | Engineering with Plastics                                    |  |
| ME 4385 | Failure Analysis and Product Liability                       |  |
| ME 4386 | Properties and Processing of Electronic Materials            |  |
| ME 4388 | Corrosion and Sustainable Metallurgy                         |  |
| ME 4V97 | Special Projects in Mechanical Engineering                   |  |

A grade of "C" or better in all of the Mechanical Engineering hours counted towards major.

**Total Hours** **67**

### Option B - Mechanical Engineering Major (Aerospace Engineering Concentration)

| Code                    | Title  | Hours |
|-------------------------|--|-------|
| <b>Required Courses</b> |  |       |
| EGR 1301                | Introduction to Engineering                                  | 3     |
| EGR 1302                | Introduction to Engineering Analysis                         | 3     |
| EGR 2170                | Introduction to Computer Aided Design                        | 1     |
| ELC 2320                | Electric Circuit Theory for non-ECE majors                   | 3     |
| EGR 3380                | Engineering Design I   | 3     |
| EGR 4390                | Engineering Design II  | 3     |
| ME 2320                 | Statics  | 3     |
| ME 2321                 | Dynamics   | 3     |
| ME 2345                 | Thermodynamics   | 3     |
| ME 3122                 | Materials and Manufacturing Processes Lab                    | 1     |
| ME 3145                 | Thermal/Fluids Laboratory                                    | 1     |
| ME 3320                 | Strength of Materials  | 3     |
| ME 3321                 | Fluid Mechanics  | 3     |
| ME 3322                 | Mechanical Engineering Materials and Manufacturing Processes | 3     |
| ME 3323                 | Machine Design   | 3     |
| ME 3420                 | Instrumentation and Measurements                             | 4     |
| ME 4325                 | Dynamic Systems  | 3     |
| ME 4327                 | Numerical Methods for Engineers                              | 3     |
| ME 4345                 | Heat Transfer  | 3     |
| ME 4346                 | Introduction to Aeronautics                                  | 3     |
| ME 4347                 | Analysis and Design of Propulsion Systems                    | 3     |
| ME 4350                 | Aircraft Flight Dynamics and Control                         | 3     |

#### Aerospace Engineering Elective

|                                       |  |   |
|---------------------------------------|--|---|
| Select one course from the following: |  | 3 |
| ME 4322                               | Computer-Aided Engineering and Design        |   |
| ME 4324                               | Introduction to Finite Element Methods       |   |
| ME 4337                               | Introduction to Computational Fluid Dynamics |   |



|  |  |
|--|--|
| ME 4344  | Composite Materials  |
| ME 4349  | Aircraft Structural Analysis                                 |
| ME 4356  | Introduction to Space Flight                                 |
| A grade of "C" or better in all of the Mechanical Engineering hours counted towards major.   |  |
| <i>Engineering Elective</i>  |  |
| Select one course from the following list of courses or any course listed in section 'c' that was not used to satisfy the Aerospace Engineering Elective |  |
| EGR 3V95   | Internship Experience  |
| EGR 4361   | Conventional & Alternative Energy Systems                    |
| EGR 4375   | Elements of Nuclear Engineering                              |
| EGR 4396   | Special Topics in Engineering                                |
| EGR 4V97   | Special Projects in Engineering                              |
| BME 4370   | Biomaterials: Form and Function                              |
| BME 4374   | Biomechanics   |
| BME 4376   | Introduction to the Design and Evaluation of Medical Devices |
| ELC 4330   | Introduction to Robotics                                     |
| ELC 4372   | Bioinstrumentation   |
| ME 4305  | Sustainable Engineering                                      |
| ME 4320  | Computer-Aided Structural Analysis                           |
| ME 4323  | Mechanical Vibrations  |
| ME 4330  | Introduction to Robotics                                     |
| ME 4336  | Energy Systems Design  |
| ME 4339  | Tribology  |
| ME 4357  | Cardiovascular Engineering and Instrumentation               |
| ME 4360  | Renewable Energy Devices                                     |
| ME 4377  | Solar Energy   |
| ME 4382  | Selection of Materials and Manufacturing Processes in Design |
| ME 4384  | Engineering with Plastics                                    |
| ME 4385  | Failure Analysis and Product Liability                       |
| ME 4386  | Properties and Processing of Electronic Materials            |
| ME 4388  | Corrosion and Sustainable Metallurgy                         |
| ME 4396  | Special Topics in Mechanical Engineering                     |
| ME 4V97  | Special Projects in Mechanical Engineering                   |
| A grade of "C" or better in all the Mechanical Engineering hours counted towards major.  |  |
| <b>Total Hours</b>   | <b>67</b>  |

## ECS Minors

### Engineering & Computer Science (ECS)

#### ECS 1101 ECS Leadership Development Seminar (1)

Pre-requisite(s): For engineering and computer science students only. Provides insights into a student's present leadership strength and development needs. Prepares students for leadership positions, focusing on topics such as a philosophy of leadership, the role of power and authority in leadership, ethics, and goal setting for leadership development.

#### ECS 1V10 Renaissance Scholar: Technology and the Arts (1-3)

Pre-requisite(s): Consent of instructor

A Renaissance Scholar is someone who is conversant across the entire range of human knowledge, from science to philosophy and technology to literature. Through the ages, people have strived to find meaning in their lives, to understand the world around them, and to use their creativity and ingenuity to improve both. Baylor's summer Renaissance Scholar program starts students on the path toward joining the ranks of the great scholars of the past. Issues of both historical and contemporary interest are considered from the perspectives of science, technology, literature, philosophy, theology, and even contemporary film. Students complement readings in the great texts of the world with the design, development, and implementation of two ancient engineering projects. Emphasis is placed on the theory and practical application of scientific and engineering concepts such as the harnessing of energy and the mythical stories that have inspired such activity, the desire for exploration, and the quest for knowledge ranging from ancient tales of self-discovery to the modern exploration of the cosmos.

#### ECS 1V90 Special Topics in Freshman Engineering and Computer Science (1-4)

Introductory topics in engineering or computer science. The course may be repeated when topics vary.

#### ECS 2101 ECS Professional Development (1)

Pre-requisite(s): Only open to majors in the School of Engineering and Computer Science

Personal development and branding, professional etiquette, resume production, career research, and interviewing skills. Exploration of career options, including assessments, internships, job search process, and graduate school admission. Topics will be customized for students pursuing majors in the School of Engineering and Computer Science.

#### ECS 3301 Peer Leadership (3)

The class equips students to serve as peer leaders to new students in their first semester at Baylor.

## Engineering Minor

All students pursuing a minor in Engineering should be advised by the School of Engineering & Computer Science to ensure they are completing appropriate courses for the minor. Exclusions may apply to engineering electives. These exclusions can be found on the ECS website.

### Requirements for Minor in Engineering

| Code  | Title                                | Hours     |
|---|--------------------------------------|-----------|
| <b>Required Courses</b>   |                                      |           |
| A minor in engineering requires twenty-one semester hours in engineering including: |                                      |           |
| EGR 1301  | Introduction to Engineering          | 3         |
| EGR 1302  | Introduction to Engineering Analysis | 3         |
| At least nine (9) semester hours of "3000" or "4000" level engineering electives    |                                      | 9         |
| A grade of "C" or better in all engineering courses used for the minor.             |                                      |           |
| <b>Total Hours</b>  |                                      | <b>15</b> |

## Computer Science Minor

### Requirements for a Minor in Computer Science

| Code  | Title   | Hours     |
|---|---|-----------|
| <b>Required Courses</b>   |   |           |
| Twenty-three semester hours in computer science including the following:                          |   |           |
| CSI 1430  | Introduction to Computer Science I with Laboratory  | 4         |
| CSI 1440  | Introduction to Computer Science II with Laboratory | 4         |
| CSI 2350  | Discrete Structures                                 | 3         |
| CSI 3334  | Data Structures                                     | 3         |
| CSI 3344  | Introduction to Algorithms                          | 3         |
| Six semester hours of "3000" - "4000" level computer science elective that apply toward the major |   | 6         |
| A grade of "C" or better in computer science courses used for the minor.                          |   |           |
| <b>Total Hours</b>  |   | <b>23</b> |

## Data Science Minor

### Requirements for a Minor in Data Science

| Code   | Title                          | Hours     |
|--|--------------------------------|-----------|
| <b>Required Courses</b>  |                                |           |
| Twenty semesters hours in computer science and data science including the following: |                                |           |
| CSI 1401   | Introduction to Programming I  | 4         |
| CSI 1402   | Introduction to Programming II | 4         |
| CSI 2300   | Introduction to Data Science   | 3         |
| Select nine semester hours from the following "3000" - "4000" level courses:         |                                | 9         |
| DSC 3310   | Cloud Computing                |           |
| DSC 3334   | Algorithms and Data Structures |           |
| DSC 3335   | Database Design & Application  |           |
| DSC 3344   | Analytics for Machine Learning |           |
| DSC 4310   | Machine Learning               |           |
| DSC 4320   | Data Visualization             |           |
| A grade of "C" or better in all courses used for the minor.                          |                                |           |
| <b>Total Hours</b>   |                                | <b>20</b> |

## Robbins College of Health and Human Sciences

### Introduction

On May 16, 2014, after more than three years of evaluation and input from Baylor regents, deans, faculty and staff, and external entities, including healthcare partners and the consulting firm Grant Thornton, the Baylor Board of Regents approved the creation of the College of Health and Human Sciences. The academic units that form the College - Communication Sciences and Disorders, Human Sciences and Design, Health, Human Performance and Recreation, Department of Public

Health, and the Division of Health Professions - share a common purpose: improving health and the quality of life. A transformational naming gift was made in 2014 renaming the college the Robbins College of Health and Human Sciences.

Robbins College (HHS) is creating curricula that promotes a team-based approach to transformational education and research that has established interdisciplinary research collaborations to advance solutions for improving quality of life for individuals, families, and communities.

### Mission

Robbins College at Baylor University draws upon Baylor's Christian mission and both innovation and tradition to prepare scholars and leaders who can translate theory into practice through translational research and advance knowledge of health, human behavior, and quality of life. Robbins College strives to:

- Create and support an interdisciplinary environment for discovery, learning, and engagement through transformational education
- Promote and emphasize evidence-based research practice and innovative approaches
- Hire and retain faculty who are leaders in the health and human sciences
- Develop and deliver educational programs that attract and prepare undergraduate and graduate students for professions dedicated to the improvement of health, human behavior and quality of life.
- Support research that discovers new ideas, advances knowledge with novel questions and is responsive to ever-changing conditions of health, human sciences and quality of life.
- Engage with diverse constituencies and communities to address a broad spectrum of human needs.

## Endowed Positions in the Robbins College of Health and Human Sciences Chairs

Brown Foundation Endowed Chair

The Mary Gibbs Jones Endowed Chair in Family & Consumer Sciences

The Martin Family Endowed Chair in Communication Sciences and Disorders

### Scholarships

*An asterisk (\*) denotes that the scholarship also is listed under another department.*

### Department of Communication Sciences and Disorders

The Dr. Madalene Barnett Scholarship in Communication Sciences and Disorders

The James F. and Beverly H. Eberts Scholarship in Speech Pathology and Audiology

The Abbey and Ann Elliston Scholarship

The Don and Faith Martin Scholarship

The Speech Pathology/Audiology Scholarship

The Hallie Mae Holman Scholarship in Speech Pathology

The Rhonda S. Reynolds Scholarship Fund

Communication Disorders Scholarship

### Department of Human Sciences and Design

The Human Sciences and Design Department Scholarship

The Florence M. Allen Scholarship in Human Sciences and Design

The Sally B. Burkett Scholarship in Human Sciences and Design  
 The Wilma Pitts Griffin Scholarship  
 The Mary Gibbs Jones Scholarship in Human Sciences and Design  
 The Tommie and John Lawhon III Scholarship in Human Sciences and Design  
 The Launa A. Morrow Memorial Endowed Scholarship Fund  
 The William and Laverne Nelson Scholarship  
 The Alma Holmes Nichols Scholarship  
 The Mr. and Mrs. Clyde R. Robertson Memorial Scholarship in Human Sciences and Design  
 The Retha Sanders Scholarship in Human Sciences and Design  
 The Eunice Clark Scaief Memorial Scholarship in Human Sciences and Design  
 The Mr. and Mrs. T.D. Stevens Academic Scholarship in Human Sciences and Design  
 The Melba Justice Scholarship  
 The Greta and Murray Watson Scholarship  
 The Terry L. Brown Scholarship  
 Lelda C. Walker and Granddaughter Kelly L. Walker Endowed Scholarship Fund  
 Shannon Pratt Gledich Endowed Scholarship Fund  
 Apparel Design and Product Development Endowed Scholarship Fund

## Department of Health, Human Performance and Recreation

Brenda Boiles Scholarship  
 Myra Millard Scholarship  
 Lloyd Russell Scholarship  
 "Dutch" Schroeder Scholarship  
 Olga Fallen Scholarship  
 Eveline Kappes Scholarship  
 Halye & Norman Frederick Scholarship  
 T'Dee L. Bracken Scholarship in Elementary or All-Level Physical Education  
 Frank "Pogo" Smith Scholarship in Recreation  
 Roper Family Scholarship in Outdoor Recreation  
 LT & Genevieve Halbert Scholarship in Recreation  
 Red & Sandra Covington Scholarship in Athletic Training  
 Red & Sandra Covington Scholarship in Health Science Studies, Pre-Med/Pre-Dent  
 Brendon Chase Mooney Scholarship in Exercise Physiology  
 Burna F. Battles Scholarship in Recreation  
 Mary E. Tindle Endowed Scholarship  
 Joan Karel Mooney Endowed Scholarship

## Robbins College of Health and Human Sciences Faculty

| Name                        | Title   |
|-----------------------------|---|
| Sheri L. Dragoo, Ph.D.      | Interim Dean  |
| Denny Kramer, Ph.D.         | Associate Dean for Graduate Programs and Division of Health Professions |
| Michaela J. Ritter, Ed.D.   | Associate Dean for Undergraduate and International Studies              |
| Renee Umstattd-Meyer, Ph.D. | Associate Dean for Research   |

## Department of Communication Sciences and Disorders

Diane Loeb, Ph.D., Chair  
 Marnie C. Abrahams, M.A.  
 Paul Blanchet, Ph.D.  
 Nicki Brown, M.S.  
 Melony Cannon, M.S.  
 Kristen Davis, M.S.  
 Carrie D. Drew, Au.D.  
 Samantha Dvorak, SLP.D.  
 J. David Garrett, Ph.D.  
 Venessa Grandjean, SLP.D.  
 Jeremy Hathway, M.S.  
 Lewis Lummer, Ed.D.  
 Steven Moates, SLP.D.  
 Kristen Muller, Ph.D.  
 D'Anna Nowack, SLP.D.  
 Jungjun Park, Ph.D.  
 Jana Parker, M.S.  
 Brittany Perrine, Ph.D.  
 Donna C. Powell, M.S.  
 Alison Prael, Ph.D.  
 Deborah A. Rainer, M.S.  
 Hollie R. Sammons, M.S.  
 Janet Sanker, M.A.  
 Susan L. Sherman, M.S.  
 Kristle Soto, M.S.  
 Janice A. Stewart, M.S.  
 Nadine Welch, M.S.  
 Lori A. Wrzesinski, M.S.  
 Hyunsoo Yoo, Ph.D.  
 Yang-Soo Yoon, Ph.D.

## Department of Human Sciences and Design

Sheri L. Dragoo, Ph.D., Chair  
 Amber Arnold, M.S., R.D.  
 Maria L. Boccia, Ph.D.  
 Michelle R. Brown, M.A.  
 Rochelle R. Brunson, Ph.D.  
 Nick Cox, Ph.D.  
 Ruthie Davis, M.S.  
 Lorynn R. Divita, Ph.D.  
 Jaynie Fader, M.S.  
 LesLee Funderburk, Ph.D.  
 Leigh Greathouse, Ph.D.  
 Debra Harris, Ph.D.  
 Elise King, M.I.D.  
 Michelle L. Law, Ph.D.  
 Briana M. Martinez, Ph.D.  
 Nicole McAninch, Ph.D.  
 Karen Melton, Ph.D.  
 Dawn Michaelson, Ph.D.  
 April J. Stull, Ph.D.  
 Ann M. Theriot, M.A.  
 Stanley R. Wilfong, Jr., M.S., R.D.  
 Jeong-Ju Yoo, Ph.D.

## Department of Health, Human Performance, and Recreation

W. Dale Connally, Ph.D., Chair  
 Justin Adeyemi, Ph.D.  
 Tricia D. Blalock, PT, DPT, MPH, CLT  
 Cory M. Dungan, Ph.D.  
 Jeff Forsse, Ph.D., ACSM EP-C  
 Andrew Gallucci, Ph.D.  
 Paul Gordon, Ph.D., MPH  
 Heather Hudson, Ed.D., LAT, ATC  
 Mary Ann Jennings, Ed.D.  
 Yunsuk Koh, Ph.D.  
 Brian C. Leutholtz, Ph.D., FACSM  
 Kelli K. McMahan, Ph.D.  
 Andrew R. Meyer, Ph.D.  
 Glenn A. Miller, Ph.D.  
 Joon Y. Park, Ph.D.  
 Jaeho Shim, Ph.D.  
 Cory M. Smith, Ph.D.  
 Erika Sutton, PT, DPT, FAAOMPT  
 Michael Wiggs, Ph.D.  
 Matthea Williams, Ed.D.  
 Margaret E. Wooddy, Ph.D.  
 Christopher J. Wynveen, Ph.D.

## Department of Public Health

Eva J. Doyle, Ph.D., MSED, Chair  
 Emmanuel A. Akowuah, Dr.PH., MS  
 Matthew Asare, Ph.D., MPH., MBA  
 Rodney G. Bowden, Ph.D.  
 Ebun O. Ebunlomo, Ph.D., MPH  
 Beth A. Lanning, Ph.D.  
 Emeka Okafor, Ph.D., MPH  
 Jasmine Opusunju, Dr.PH, MSED  
 Margo Shanks, MPH  
 Renee Umstattd-Meyer, Ph.D.  
 Liang Wang, M.D., Dr. PH., MPH  
 Kelly R. Ylitalo, Ph.D.

## Degrees and Requirements

### Undergraduate Programs

Please refer to the outlines of degree requirements in this catalog.

#### Majors

##### Bachelor of Science

- Apparel Design and Product Development
- Apparel Merchandising
- Child and Family Studies - Child Development Concentration
- Child and Family Studies - Child Life Concentration
- Child and Family Studies - Family Life Education Concentration
- Child and Family Studies - Pre-Occupational Therapy Concentration
- Communication Sciences and Disorders - Speech Pathology
- Communication Sciences and Disorders - Deaf Education
- Exercise Physiology
- Human Sciences and Design
- Health Science Studies - Pre-Athletic Training
- Health Science Studies - Pre-Medical/Pre Dental

- Health Science Studies - Pre-Physical Therapy
- Health Science Studies - Pre-Physician Assistant
- Health Science Studies - Health Professions
- Interior Design
- Nutrition Sciences

##### Bachelor of Science in Education

- Health, Kinesiology, and Leisure Studies
- Physical Education - All levels
- Recreation Leisure Services - Outdoor Recreation
- Recreation Leisure Services - Recreation Ministry
- Recreation Leisure Services - Community Sport

##### Bachelor of Science in Public Health

- Public Health

##### Secondary Majors

- Recreation and Leisure Services

##### Minors

- American Sign Language
- Apparel Merchandising
- Child and Family Studies
- Dance
- General Human Sciences and Design
- Nutrition Sciences
- Outdoor Education and Leadership
- Recreation Ministry

## Graduate Programs in the College of Health and Human Sciences

Note: See the Graduate School Catalog for descriptions of these programs.

#### I. Master of Science

Communication Sciences and Disorders  
 Nutrition Sciences  
 Exercise Physiology  
 Sport Pedagogy

#### II. Master of Athletic Training

Athletic Training

#### III. Master of Public Health

Community Health  
 Epidemiology  
 Environmental Health Science

#### IV. Doctor of Philosophy

Exercise & Nutrition Sciences

## Degree Requirements

### General Regulations for the College of Health and Human Sciences

Certain regulations are common to all of the undergraduate degrees conferred by the Robbins College of Health and Human Sciences. Additional regulations are listed in this catalog under "General University Regulations."

1. Minimum requirement: 124 semester hours. Some programs may exceed the minimum.

2. Residence requirement: minimum sixty semester hours. After a student achieves senior standing (90 earned credits), all upper division courses (3000 or 4000 level) must be taken in residence (or in a Baylor approved study abroad program).  
Note: After matriculation, a student may transfer a maximum of fifteen semester hours to Baylor.
3. Grade point average: minimum of 2.00 ("C") overall and also in the major and minor for work at Baylor. Some departments require a "C" or better in every course applying to the major or minor.
4. Course substitutions: Students who substitute an upper-level course for a lower-level requirement may not retain the upper-level credit. The exception to this policy is when a lower-level course is a specific prerequisite for the upper-level course.
5. English: Because strong writing skills are essential for success in all academic programs, students are encouraged to take writing courses early in their academic careers.
6. Foreign Language:
  - a. American Sign Language, Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, and Swahili may be used.
  - b. Students who have taken courses in Spanish, French, or German may need to take the placement test in that language, given at the Language Acquisition Center, 300 Draper. These test scores will help advisors place students at the most appropriate level to begin their foreign language study at Baylor.
  - c. Students who have taken courses in Latin may take a placement test in the Classics Department Office, 333 Morrison Hall.
  - d. Students who have taken courses in American Sign Language may take a placement test.
  - e. If a student has taken high school courses in a language for which a placement test is unavailable, the student should consult with the department (Modern Languages and Cultures or Classics) to determine the appropriate level at which to begin foreign language courses at Baylor.
7. Teacher Certification: Students seeking teacher certification should contact the School of Education for complete requirements.
8. Lifetime Fitness:
  - a. It is waived for students who have reached age 25 at the time of matriculation to Baylor; veterans (one semester hour per 135 days active duty); students in Aerospace Studies (one hour per semester selected from AS 1111 Leadership Laboratory, AS 1112 Leadership Laboratory, AS 2111 Leadership Laboratory, AS 2112 Leadership Laboratory; laboratory required); students in Military Science (one hour per semester selected from MILS 1111 Leadership Lab I, MILS 1112 Leadership Lab II, MILS 2111 Basic Leadership Lab I, MILS 2112 Basic Leadership Lab II; laboratory required); athletic participants (one hour for sport participation, maximum waiver two semesters); marching band (one hour for each fall semester, maximum waiver two semesters). One hour of PPS 1100 Introduction to Citizenship and Community Service may substitute for one semester of LF on the B.S. degree. One hour of PUBH 1145 Health and Human Behavior may substitute for one semester of LF, except for students who have completed BIC 1112 Examined Life.
  - b. For those students with physical disabilities, an adaptive and/or academically oriented program will be provided. Students with disabilities should present to coordinators at registration a medical statement from the Baylor physician outlining the nature of their disability and recommendation for activity.
  - c. A maximum of four Lifetime Fitness courses may be counted on a degree program.
  - d. For further information, see the list in this section of this catalog.
9. Chapel: Students entering as freshmen or who transfer as freshmen or sophomores are required to attend two semesters of Chapel. Students who transfer to Baylor and are classified as juniors or seniors must attend one semester of Chapel.
10. Major:
  - a. One required; others, if available on the same degree, may be elected from the list of majors included in the section in this catalog on undergraduate programs for each degree. See departmental sections for specific requirements.
  - b. Twenty-seven hours minimum required; higher for some majors.
  - c. Residence – minimum twelve hours, all advanced.
  - d. Advanced work – minimum fifteen hours.
  - e. Grade point average – a minimum of 2.00 ("C") on all courses in the major taken at Baylor. Some departments require a "C" or better in every course applying to the major.
11. Secondary Major:
  - a. Optional; may elect one or more secondary majors. Specific requirements in departmental sections of this catalog.
12. Minor:
  - a. Optional; may elect one or more minors. Specific requirements in departmental sections of this catalog.
  - b. Eighteen hours minimum required; slightly higher for some minors.
  - c. Residence – minimum twelve hours, nine hours advanced.
  - d. Advanced work – minimum nine hours.
  - e. No more than a maximum of three hours from the major or secondary major may be applied to the minor.
  - f. Grade point average – a minimum of 2.00 ("C") on all courses in the minor taken at Baylor. Some departments require a "C" or better in every course applying to the minor.
13. Advanced work ("3000" or "4000" numbered courses): minimum thirty-six semester hours.
  - a. To be earned after junior status is attained.
  - b. Mathematics, physics, chemistry, biology, and language courses at the "3000" level may be taken as soon as necessary prerequisites are completed and will be considered advanced work.
  - c. No junior college course, regardless of content, will be considered advanced.
  - d. No transferred course will be considered advanced unless it was so rated by the college where taken, and unless Baylor's equivalent course is advanced.
  - e. Please refer to the section on eligibility for courses in this catalog.
14. Maximum credit: Within the minimum of 124 hours required for a degree, the following maximum credits are applicable:
  - a. four courses of Lifetime Fitness and
  - b. ten hours of applied music and/or ensemble.

## Attendance Policy for the College of Health and Human Sciences

To earn course credit in the College of Health and Human Sciences, a student must attend at least 75 percent of all scheduled class meetings. Any student who does not meet this minimal standard will automatically



receive a grade of “F” in the course. Faculty members may establish more stringent requirements regarding attendance, punctuality, and participation. Any attendance requirements and penalties for excessive absences will be set forth in the syllabus for each course.

If a student’s required participation in a University-sponsored activity causes the student to miss class, this is ordinarily considered an absence and shall count against the student when determining whether a student has attended the required 75 percent of class meetings. However, if in this event the student seeks to make arrangements prior to the absence to complete scheduled assignments, the faculty member will work with the student to allow for the completion of missed classwork and assignments.

In the event of serious illness, accident, or death in the family, students should contact their professors as soon as they are able. When such a crisis prohibits the student from being able to make immediate contact, the office of the Chaplain notifies faculty when information is available; the Chaplain, does not, however, pursue official verification of such reports. Requests by faculty to verify the nature of an absence should be made to the student upon the student’s return. Students are usually allowed to make up classwork and/or tests missed which result from such crises; however, the absences shall count against the student when determining whether a student has attended the required 75 percent of class meetings. In some circumstances, the instructor may choose to assign an alternate quiz/assignment or drop/waive the missed quiz/assignment in such a way that it does not penalize the student’s final grade. As these instances are academic matters, any dishonesty on the part of the student in such a situation is considered a violation of the University Honor Code.

In addition to the College of Health and Human Sciences Attendance Policy, faculty and students will be guided by the University Attendance Policy in the Undergraduate Catalog.

## Bachelor of Science

| Code  | Title  | Hours |
|---|--|-------|
| <b>Requirements</b>   |  |       |
| Minimum Requirement   |  | (124) |
| Residence Requirement – minimum   |  | (60)  |
| Grade point average – minimum of 2.00 (“C”) overall and in the major for work done at Baylor. |  |       |
| <b>Basic Requirements</b>   |  |       |
| <i>Chapel</i>   |  |       |
| Chapel – two semesters  |  | 0     |
| <i>English</i>  |  |       |
| ENG 2310  | American Literary Cultures   | 3     |
| <i>History</i>  |  |       |
| HIS 1300  | The United States in Global Perspective  | 3     |
| <i>Political Science</i>  |  |       |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| <i>Religion</i>   |  |       |
| REL 1310  | The Christian Scriptures   | 3     |
| REL 1350  | The Christian Heritage   | 3     |
| <i>Communication and Media Literacy (One Course)</i>  |  |       |
| Select 3 hours from the Communication and Media Literacy distribution list.                   |  | 3     |

### Contemporary Social Issues (One Course)

|   |   |
|---|---|
| Select 3 hours from the Contemporary and Social Issues distribution list. | 3 |
|---|---|

### Fine Arts and Performing Arts (One Course)

|  |     |
|--|-----|
| Select 2-3 hours from the Fine Arts and Performing Arts distribution list. | 2-3 |
|--|-----|

### Foreign Languages and Cultures

|                  |     |
|------------------|-----|
| Select 3-8 hours | 3-8 |
|------------------|-----|

### Formal Reasoning (One Course)

|   |   |
|---|---|
| Select 3 hours from the Formal Reasoning distribution list. | 3 |
|---|---|

### Research, Writing, & Literature (Two Courses)

|  |   |
|--|---|
| Select 6 hours from the Research, Writing, and Literature distribution list. | 6 |
|--|---|

### Scientific Method I (with Laboratory Experience)

|   |  |
|---|--|
| One 4-hour course with included lab or lecture and matching lab |  |
|---|--|

|   |   |
|---|---|
| Select 4 hours from the Scientific Method I (with Laboratory Experience) distribution list. | 4 |
|---|---|

### Scientific Method II—Additional Science or Grand Challenges of Science

|                              |     |
|------------------------------|-----|
| Select one of the following: | 3-4 |
|------------------------------|-----|

|   |  |
|---|--|
| Select 3-4 hours from the Scientific Method II—Grand Challenges of Science Course distribution list |  |
|---|--|

Or another 4-hour course from Scientific Method I

### Lifetime Fitness

|                |   |
|----------------|---|
| Select 3 hours | 3 |
|----------------|---|

### Major

One required; others may be elected from the list of majors for this degree included in the section in this catalog on undergraduate programs. See departmental sections for specific requirements.

### Minor

Optional; may elect one or more minors. Specific requirements in departmental sections of this catalog.

### Advanced Work Minimum

|                                   |    |
|-----------------------------------|----|
| “3000” or “4000” numbered courses | 36 |
|-----------------------------------|----|

### Maximum Credit

Within the minimum of 124 hours required for a degree, the following maximum credits are applicable:

|  |  |
|--|--|
| (1) four courses of Lifetime Fitness, and      |  |
| (2) ten hours of applied music and/or ensemble |  |

|                    |              |
|--------------------|--------------|
| <b>Total Hours</b> | <b>81-88</b> |
|--------------------|--------------|

Additional information on the requirements for advanced credit, residence, chapel, minimum grade point average, maximum credit, and majors and minors is listed under the “General Regulations for the College of Health and Human Sciences” and “General University Regulations.”

## Distribution Lists of Course Choices

### Communication and Media Literacy Distribution List

| Code                                  | Title                                | Hours |
|---------------------------------------|--------------------------------------|-------|
| Select one course from the following: |                                      |       |
| CFS 3354                              | Family Life Education and Ethics     | 3     |
| CSS 1301                              | Fundamentals of Public Communication | 3     |

|              |   |   |
|--------------|---|---|
| CSS 1302     | Speech for Business and Professional Students     | 3 |
| FDM/JOU 1303 | Introduction to Mass Communication                | 3 |
| FDM 4340     | Media and Society                                 | 3 |
| JOU 3387     | International Communication                       | 3 |
| JOU 4305     | Gender, Race & Media                              | 3 |
| JOU 4380     | Law and Ethics of Journalism                      | 3 |
| PWR 2314     | Introduction to Professional Writing and Rhetoric | 3 |

### Contemporary Social Issues Distribution List

| Code                                  | Title  | Hours |
|---------------------------------------|--|-------|
| Select one course from the following: |  |       |
| ANT 1306                              | Cultural Anthropology in Global Context                  | 3     |
| ANT 1325                              | Introduction to Global Health                            | 3     |
| ANT/ENV 3320                          | Environment and Human Behavior                           | 3     |
| CFS 4356                              | The Family: A Global Perspective                         | 3     |
| ECO 1305                              | Issues in Economics for Non-Business Majors              | 3     |
| EDP 2336                              | The Developing Child                                     | 3     |
| ENV 2376                              | Environment and Society                                  | 3     |
| ENV/PSC 4307                          | Environmental Law  | 3     |
| ENV 4310/ANT 4311                     | World Food Problems                                      | 3     |
| HP 3368                               | Adapted Human Performance                                | 3     |
| HP 4396                               | Religion and Sport                                       | 3     |
| ID 4326                               | Sustainable Design                                       | 3     |
| LING 1305                             | Language in Society                                      | 3     |
| PHI 1308                              | Contemporary Moral Problems                              | 3     |
| PSC/ENV 3300                          | The Environment and Political Processes                  | 3     |
| PSY 1305                              | Psychological Science: Understanding Human Behavior      | 3     |
| PSY 3321                              | Abnormal Psychology                                      | 3     |
| PSY 3341                              | A Survey of Human Development                            | 3     |
| REL 3390                              | Christian Ethics   | 3     |
| REL 3394                              | War and Peace in the Christian Tradition                 | 3     |
| REL 3397                              | Gender, Feminism and Theology                            | 3     |
| REL 4349                              | The World's Religions and Violence                       | 3     |
| REL/ENV 4393                          | Environmental Ethics                                     | 3     |
| RLS 2388                              | Leisure and Lifestyle Well-Being                         | 3     |
| RLS 4331                              | Meanings, Culture, and Philosophy of American Landscapes | 3     |
| SOC 1305                              | Introduction to Sociology                                | 3     |
| SOC 3311                              | The Sociology of Race and Ethnicity                      | 3     |
| SWO 2320                              | Human Diversity and Leadership                           | 3     |
| WGS 2300                              | Women's and Gender Studies: An Introduction              | 3     |

### Fine Arts and Performing Arts Distribution List

| Code                                  | Title   | Hours |
|---------------------------------------|---|-------|
| Select one course from the following: |   |       |
| ADM 1241                              | Apparel Aesthetics                            | 2     |
| ARTH 1300                             | Introduction to Art (for non-art majors only) | 3     |
| ART 1310                              | Drawing I (Studio Course)                     | 3     |

|              |  |   |
|--------------|--|---|
| ART 1314     | 2D Design (Studio Course – Two-Dimensional)    | 3 |
| ARTH 2302    | Survey of Western Art I                        | 3 |
| ARTH 2303    | Survey of Western Art II                       | 3 |
| CLA 3315     | Ancient Drama in Performance                   | 3 |
| ENG 3304     | Creative Writing: Poetry                       | 3 |
| ENG 3306     | Creative Writing: Prose                        | 3 |
| HSD 1231     | Design and Creative Technologies               | 2 |
| FDM 1309     | Introduction to Film                           | 3 |
| ID 2375      | History of Interiors I                         | 3 |
| ID 2395      | History of Interiors II                        | 3 |
| MUS 1321     | Engaging with Music                            | 3 |
| MUS 3321     | Music in World Cultures                        | 3 |
| MUS 3322     | Popular Musics                                 | 3 |
| MUS 3323     | Jazz and its History                           | 3 |
| MUS/LAS 4364 | Traditional Music and Culture in Latin America | 3 |
| THEA 1301    | Acting I: Realism                              | 3 |
| THEA 1306    | Introduction to Theatre                        | 3 |

### Foreign Language and Culture Distribution List

See requirement for more information.

| Code   | Title   | Hours |
|--|---|-------|
| ADM 3365   | Global Dress and Culture  | 3     |
| ADM 3396   | International Fashion Forecasting   | 3     |
| ARB 2320   | Arabic Popular Culture  | 3     |
| AST 2380   | The Peoples and Culture of Asia   | 3     |
| AST 4388   | Contemporary Chinese Society and Culture                                      | 3     |
| CHI 2320   | Intermediate Chinese for Communication  | 3     |
| CHI 3305   | Chinese for Business I  | 3     |
| CHI 3306   | Chinese for Business II   | 3     |
| CHI 3310   | Chinese Language and Culture through Films                                    | 3     |
| Classical Languages 1301 (includes: GKC, HEB, LAT) |   | 3     |
| Classical Languages 1302 (includes: GKC, HEB, LAT) |   | 3     |
| Classical Languages 2301 (includes: GKC, HEB, LAT) |   | 3     |
| CLA 3301   | Roman History and Civilization  | 3     |
| CLA 3302   | Greek History and Civilization  | 3     |
| CLA 3303   | Hellenistic History and Civilization  | 3     |
| CSD 1405   | American Sign Language I  | 4     |
| CSD 1406   | American Sign Language II   | 4     |
| CSD 2301   | American Sign Language III  | 3     |
| CSD 2302   | American Sign Language IV   | 3     |
| CSD 3312   | Deaf Culture  | 3     |
| FAS 1311   | Freshman Academic Seminar: Modern Languages, Cultures, and Global Communities | 3     |
| FRE 1412   | Accelerated Elementary French   | 4     |
| FRE 2320   | Passport to the French-Speaking World   | 3     |
| FRE 2321   | French for Health Professions   | 3     |
| FRE 3301   | Advanced French Grammar   | 3     |
| FRE 3302   | Conversational French   | 3     |
| FRE 3308   | French and Francophone Pop Culture  | 3     |

|   |  |   |
|---|--|---|
| FRE 3310  | Introduction to French Literature                                    | 3 |
| FRE 3330  | Introduction to French Cinema  | 3 |
| GER 2320  | German for Modern Life   | 3 |
| GER 3301  | German Conversation and Composition                                  | 3 |
| GER 3341  | Introduction to German Culture: Germany in the Making                | 3 |
| GER 3345  | Introduction to German Film: German Culture from Berlin to Hollywood | 3 |
| GRK 2320  | Intermediate Greek Poetry  | 3 |
| HEB 2320  | Intermediate Hebrew II   | 3 |
| ITA 2320  | Pathways in Italian Culture  | 3 |
| ITA 3301  | Advanced Italian Grammar   | 3 |
| ITA 3302  | Italian Conversation, Reading, and Composition                       | 3 |
| ITA 3310  | Introduction to Italian Literature                                   | 3 |
| ITA 3330  | Italian Through Film   | 3 |
| JPN 2320  | Exploring Japan  | 3 |
| JPN 3301  | Advanced Japanese I  | 3 |
| JPN 3302  | Japanese Culture through Reading                                     | 3 |
| JPN 3305  | Japanese for the Professions   | 3 |
| JPN 3306  | Japanese Cinema  | 3 |
| KOR 2320  | Intermediate Korean II   | 3 |
| LAS 2301  | An Introduction to Latin American Studies                            | 3 |
| LAT 2320  | Intermediate Latin Poetry  | 3 |
| MES 2301  | Introduction to the Middle East                                      | 3 |
| Modern Foreign Languages 1301 (includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA) |  | 3 |
| Modern Foreign Languages 1302 (includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA) |  | 3 |
| Modern Foreign Languages 1412 (includes: GER, SPA)  |  | 3 |
| Modern Foreign Languages 2412 (includes: GER, SPA)  |  | 3 |
| Modern Foreign Languages 2310 (includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA) |  | 3 |
| NUTR 4352   | World Nutrition  | 3 |
| POR 2320  | Exploring the Portuguese-Speaking World                              | 3 |
| PUBH 4340   | Global Health  | 3 |
| RLS 4331  | Meanings, Culture, and Philosophy of American Landscapes             | 3 |
| RUS 2320  | Russian Culture in Context   | 3 |
| RUS 3301  | Russian Conversation and Composition                                 | 3 |
| SPA 1304  | Elementary Spanish for Heritage Speakers                             | 3 |
| SPA 2304  | Intermediate Spanish for Heritage Speakers                           | 3 |
| SPA 2320  | Exploring the Spanish-Speaking World                                 | 3 |
| SPA 2321  | Intermediate Spanish for Health Professions                          | 3 |
| SPA 2322  | Spanish for Christian Ministry                                       | 3 |
| SPA 2324  | Spanish for Business   | 3 |
| SPA 3302  | Conversation and Composition   | 3 |
| SPA 3309  | Introduction to Spanish Linguistics                                  | 3 |
| SWA 2320  | Intermediate Swahili II  | 3 |
| THEA/JPN 3352   | Japanese Theatre and Culture   | 3 |

### Formal Reasoning Distribution List

| Code                                  | Title                          | Hours |
|---------------------------------------|--------------------------------|-------|
| Select one course from the following: |                                | 3     |
| ID 2317                               | Space Planning                 | 3     |
| ID 2325                               | Building Systems for Interiors | 3     |
| MTH 1301                              | Ideas in Mathematics           | 3     |
| MTH 1320                              | Precalculus Mathematics        | 3     |
| MTH 1321                              | Calculus I                     | 3     |
| PHI 1306                              | Logic                          | 3     |
| SOC 3402                              | Social Statistics              | 4     |
| STA 1380                              | Elementary Statistics          | 3     |

### Research, Writing, & Literature Distribution List (Two Courses)

#### Literature in Context Distribution List

| Code          | Title   | Hours |
|---------------|---|-------|
| CLA 2301      | Literature of Ancient Greece  | 3     |
| CLA 2302      | Literature of Ancient Rome  | 3     |
| CLA 2306      | Greek and Roman Mythology   | 3     |
| ENG 2301      | British Literature  | 3     |
| ENG 2306      | World Literature  | 3     |
| FRE 3312      | Children's Literature in French   | 3     |
| GTX 2301      | Intellectual Traditions of the Ancient World : Literature and Thought   | 3     |
| GTX 2302      | Medieval Intellectual Traditions: Literature and Thought in Context     | 3     |
| GTX/THEA 3341 | Master Works in Drama   | 3     |
| PHI 2303      | Philosophy in Literature  | 3     |
| REL 3301      | Psalms and Wisdom Literature  | 3     |
| REL 3308      | The Literature of the Pentateuch: Narrative, Poetry, Genealogy, and Law | 3     |
| SPA 3305      | Introduction to Hispanic Literature                                     | 3     |

#### Research Writing Distribution List

| Code     | Title  | Hours |
|----------|--|-------|
| CLA 1304 | From Ancient Rhetoric to Modern Research Writing | 3     |
| ENG 1310 | Writing and Academic Inquiry Seminars            | 3     |
| ENV 43C2 | Environmental Capstone                           | 3     |
| HIS 2395 | History Workshop                                 | 3     |
| PHI 1301 | Introductory Topics in Philosophy                | 3     |
| PHI 2305 | Philosophy and Religion                          | 3     |
| PSC 3301 | Scope and Methods of Political Science           | 3     |
| PWR 3300 | Technical Writing                                | 3     |
| PWR 3318 | Professional & Workplace Writing                 | 3     |
| REL 3305 | Interpreting the Old Testament                   | 3     |

### Scientific Method I: Course with Laboratory Experience Distribution List

one 4-hour course with included lab or 3-hour lecture and matching 1-hour lab course

| Code                                  | Title                           | Hours |
|---------------------------------------|---------------------------------|-------|
| Select four hours from the following: |                                 |       |
| ANT 1404                              | Introduction to Human Evolution | 4     |
| ANT 1407                              | Introduction to Archaeology     | 4     |

|                        |   |   |
|------------------------|---|---|
| BIO 1305<br>& BIO 1105 | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory            | 4 |
| BIO 1306<br>& BIO 1106 | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory | 4 |
| BIO 1401               | Current Issues in Human Biology   | 4 |
| BIO 1405               | Investigations of Modern Biology Concepts<br>I  | 4 |
| BIO 1406               | Investigations of Modern Biology Concepts<br>II   | 4 |
| CHE 1300<br>& CHE 1100 | Introductory Chemistry<br>and Introductory Chemistry Laboratory                             | 4 |
| CHE 1301<br>& CHE 1101 | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I                | 4 |
| CHE 1302<br>& CHE 1102 | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II              | 4 |
| CHE 1405               | Chemistry and Society   | 4 |
| ENV 1301<br>& ENV 1101 | Exploring Environmental Issues<br>and An Introduction to Environmental<br>Analysis (Lab)    | 4 |
| ENV 1303<br>& ENV 1103 | Wildlife Ecology<br>and Wildlife Ecology Laboratory Exercises                               | 4 |
| GEO 1401               | Earthquakes and Other Natural Disasters   | 4 |
| GEO 1402               | World Oceans  | 4 |
| GEO 1405               | The Dynamic Earth   | 4 |
| GEO 1410               | Gems and Minerals   | 4 |
| HP 1420                | Human Anatomy   | 4 |
| HP 2420                | Exercise Physiology   | 4 |
| HP 4450                | Exercise Testing and Interpretation I   | 4 |
| HP 4471                | Exercise Testing and Interpretation II  | 4 |
| NSC 1306<br>& NSC 1106 | Introduction to Neuroscience<br>and Introduction to Neuroscience<br>Laboratory              | 4 |
| PHY 1404               | Light, Vision and Optics  | 4 |
| PHY 1405               | Everyday Physics  | 4 |
| PHY 1407               | Sound and Acoustics   | 4 |
| PHY 1408               | General Physics for Natural and Behavioral<br>Sciences I                                    | 4 |
| PHY 1409               | General Physics for Natural and Behavioral<br>Sciences II                                   | 4 |
| PHY 1420               | General Physics I   | 4 |
| PHY 1430               | General Physics II  | 4 |
| PHY 1455               | Descriptive Astronomy   | 4 |
| PHY 2455               | Foundations of Astronomy  | 4 |

### Scientific Method II: Grand Challenges of Science Distribution List or an Additional Course from the Scientific Method I—Course with Laboratory Experience Distribution List

| Code  | Title   | Hours |
|---|---|-------|
| Select one 3 to 4-hour course from the following: |   |       |
| ANT 1307  | The Evolution of Human Societies: An<br>Interdisciplinary Perspective | 3     |
| BIO 1303  | Human Ecology: Our Place in Nature                                    | 3     |
| GEO 1306  | The Earth Through Time  | 3     |
| GEO 1307  | Evolution and Extinction  | 3     |

|              |  |   |
|--------------|--|---|
| GEO 1309     | Origins of Habitable Worlds                              | 3 |
| HP 2306      | Anatomical Kinesiology                                   | 3 |
| HP 2307      | Biomechanics   | 3 |
| HP 4368      | Motor Learning and Development                           | 3 |
| HP 4369      | Sports Psychology  | 3 |
| NUTR 2351    | Nutrition  | 3 |
| NUTR 3314    | Consumer Nutrition                                       | 3 |
| PHY 3305     | History of Invention and Technology                      | 3 |
| PSY 1305     | Psychological Science: Understanding<br>Human Behavior   | 3 |
| RLS 4392     | Professional Issues and Practices in<br>Leisure Services | 3 |
| STA/CSI 2300 | Introduction to Data Science                             | 3 |

Or one additional course from item O: Scientific Method I: Course  
with Laboratory Experience Distribution List

### Lifetime Fitness Distribution List (Three Courses)

| Code                                   | Title   | Hours |
|--|---|-------|
| Select three hours from the following: |   |       |
| Any LF-prefix course                   |   | 3     |
| PUBH 1145                              | Health and Human Behavior <sup>1</sup>                            | 1     |
| PPS 1100                               | Introduction to Citizenship and Community<br>Service <sup>1</sup> | 1     |

<sup>1</sup> Students may choose either PUBH 1145 Health and Human Behavior  
or PPS 1100 Introduction to Citizenship and Community Service to  
replace one of the 3 required LF courses. Two hours of the Lifetime  
Fitness requirement must be met by activity LF courses.

## Honor Societies

### Kappa Omicron Nu

Kappa Omicron Nu is a national honor society in the field of human sciences, which has been on campus since 1972. Human Sciences and Design majors are eligible after completing twelve hours in Human Sciences and Design courses with a 3.6 GPA and a 3.4 overall GPA. The goals of the organization include recognition of scholarship, development of leadership, association of students with faculty, and encouragement of research. New members are initiated in the fall and spring, and meetings are held monthly.

### Eta Sigma Gamma

Eta Sigma Gamma is a National Health Education Honorary which promotes the discipline by elevating the standards, ideals, competence, and ethics of professionally prepared men and women in Health Education. Membership is open to any Baylor student who has completed at least two semesters and officially declared a major or minor in community health education. Candidates must earn a grade point average of at least 2.7 (on a 4.0 grade point system) in one semester followed by an average of at least 2.5 in the next semester to be eligible for election in the Baylor chapter, Epsilon Alpha.

## Professional Organizations

### Baylor Apparel Professionals

Baylor Apparel Professionals is the organization for apparel design and product development and apparel merchandising majors. It offers a wide variety of educational and leadership opportunities. Through monthly programs, the students may network with professionals from the

fashion field to learn more about career opportunities in the industry. The organization initiates two field experiences yearly.

### **Baylor Interior Design Association (BIDA)**

The Baylor Interior Design Association is the student organization representing both student membership and involvement with the professional organizations of the American Society of Interior Designers (ASID) and the International Interior Design Association (IIDA). Members participate in monthly meetings, professional-sponsored student events and programs, and various other learning experiences that support and enhance their academic training.

### **Student Dietetic and Nutrition Association (SDNA)**

The Student Dietetic and Nutrition Association provides nutrition information and career information to the students in the organization as well as anyone else interested in dietetics. The membership of BSNA is open to any student with a declared major in nutrition science. BSNA is the student organization of the Texas Academy of Nutrition and Dietetics and the Academy of Nutrition and Dietetics.

### **Child and Family Studies Organization (CFSO)**

The Child and Family Studies (CFSO) organization is open to Child and Family Studies Majors and all other students interested in topics related to Child and Family Studies. CFSO holds monthly meetings, in which students learn about current trends in the field and engage with professionals from a variety of career paths. The organization further provides professional development opportunities by providing service to organizations who work with children and families and engaging in annual professional conferences.

### **National Student Speech Language Hearing Association (NSSLHA)**

The Baylor Chapter of the National Student Speech Hearing Language Association (NSSLHA) is an organization of students in the field of Speech/Language Pathology and Audiology. The purpose of the organization is to teach students to serve their profession and to encourage continued involvement in professional organizations. The organization addresses new directions and conflicts which arise within the field. In addition, NSSLHA provides opportunities for students to interact with professionals working in the field. Membership is open to students enrolled in the Department of Communication Sciences and Disorders.

### **Phi Theta**

Phi Theta is Baylor University's club for students interested in physical therapy, occupational therapy, or sports medicine. It serves as a resource for students who are seeking information about physical therapy and occupational therapy schools and job opportunities. Guest speakers include representatives from physical therapy and occupational therapy schools and local physical therapists and occupational therapists. Field trips to local rehabilitation clinics and professional schools are also made.

### **Athletic Training Student Association**

The Athletic Training Student Association was organized and chartered in 2006. Its purpose is to promote and enhance athletic training both on and off campus through education, community service, team building and leadership development, funds development, and recruiting and promotion. Membership is open to all athletic training students.

## **Academic Departments**

- Communication Sciences and Disorders (p. 362)
- Health, Human Performance, and Recreation (p. 367)
- Human Sciences and Design (p. 387)
- Public Health (p. 406)

## **Communication Sciences and Disorders**

### **Note for All Department of Communication Sciences and Disorders Majors**

The requirements governing the selection of courses and clinical practicum experiences must be individualized based upon the date when a student begins the program and the courses that he or she takes. Therefore, all students must consult with their advisor within the department for guidance in fulfilling the new American Speech-Language-Hearing Association's 2020 standards.

Students planning a career in audiology and speech pathology are encouraged to pursue a master's degree. Upon completion of the master's degree in communication sciences and disorders, students are eligible to seek certification by the American Speech-Language-Hearing Association and to seek licensure as speech pathologists.

The Masters (MS) education program in Speech-Language Pathology at Baylor University is accredited by:

The Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association  
2200 Research Blvd.  
Rockville MD, 20850  
(301) 296-5700.

Practical experience is offered through the Baylor University Speech, Hearing, and Language Center, which provides diagnostic services and treatment for patients who have communication disorders. Services are provided to the community for a small fee. Appointments may be made at the clinic by calling 254-710-2568.

- American Sign Language (ASL) Minor (p. 364)
- Deaf Education Concentration - CSD, B.S. (p. 365)
- Speech Language Pathology and Audiology Concentration - CSD, B.S. (p. 365)

## **Communication Sciences and Disorders (CSD)**

### **CSD 1308 Survey of Speech Pathology and Audiology (3)**

An introduction to the nature and causes of speech, language, and hearing disorders and speech-language pathology as an educational and clinical field.

### **CSD 1360 Introduction to Deaf Education (3)**

Practical and legal aspects of Deaf Education, focusing on history of Deaf Education, the role of language and communication, and an overview of deaf programs in diverse settings.



**CSD 1405 American Sign Language I (4)**

Introduction to American Sign Language and Deaf culture: grammar, lexicalized signs, numbers and basic conversational language.

**CSD 1406 American Sign Language II (4)**

Pre-requisite(s): CSD 1405

Continuation of CSD 1405.

**CSD 2101 Professional Career Development (1)**

Resume and cover letter writing, interviewing, networking, and presenting professional self. Exploration of career options, including assessments, internships, job search process, and graduate school admission specific to Communication Sciences and Disorders.

**CSD 2301 American Sign Language III (3)**

Pre-requisite(s): Minimum grade of C- in CSD 1406

Development of intermediate skills with a focus on expressive language: grammar, non-manual markers, classifiers, lexicalized signs, and storytelling.

**CSD 2302 American Sign Language IV (3)**

Pre-requisite(s): Minimum grade of C- in CSD 2301

Continuation of CSD 2301: conversation, composition, grammar review, cultural readings, and ASL literature.

**CSD 2318 Language Development (3)**

Linguistic theory and language development in normal children.

**CSD 2351 Introduction to Phonological Science (3)**

Introduction to the phonological rules and processes of American English and an examination of descriptive, physiological, and acoustic phonetics.

**CSD 2357 Adult Development (3)**

Physical, intellectual, spiritual, social and emotional development in adulthood, emphasizing developmental tasks in adulthood.

**CSD 2360 Oral Deaf Education Principles and Practices (3)**

Techniques for developing spoken language in children with hearing loss using therapy, linguistic knowledge, technology and practice.

**CSD 3308 Introduction to Speech Sound Disorders (3)**

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357

Disorders of articulation and phonologic processes, including etiology, methods of assessment, and techniques for remediation.

**CSD 3310 Principles of Interpreting (3)**

The profession of interpreting, including Code of Ethics, certification criteria, roles and responsibilities of an interpreter, and compensation.

**CSD 3311 American Sign Language V (3)**

Pre-requisite(s): CSD 1405, 1406, 2301, and 2302

This course builds on students' receptive and expressive skills in American Sign Language, challenging them to engage with more complex constructs within the realms of general discourse, performance narrative, and academic discussion.

**CSD 3312 Deaf Culture (3)**

A study of Deaf Culture, with special attention to historical and contemporary perspectives of the Deaf community: history, values, identity and enculturation, family, community, religion, language, arts, and education.

**CSD 3313 Linguistics of American Sign Language (3)**

This course will focus on specific aspects of linguistics and cognition that occur in a visual language as compared/contrasted to/with a spoken language.

**CSD 3314 ASL Literature and Visual Arts (3)**

Pre-requisite(s): CSD 3311

This course provides an overview of different genres of American Sign Language literature and art. Drama, fiction, folklore, humor, painting, short stories, and other forms of literature and arts relative to the Deaf community will be explored.

**CSD 3357 Anatomy and Physiology (3)**

A study of the anatomy and physiology of speech.

**CSD 3359 Neuroscience in Communication Sciences and Disorders (3)**

Pre-requisite(s): Grade of B or better in CSD 1308, 2318, 2351, and 3357

This course is designed to provide a comprehensive introduction to the neuroscience of speech, language, and swallowing and hearing. The student will learn about the relationship of neurological structures and functions and how this knowledge applies to the assessment and intervention of communication and swallowing disorders.

**CSD 4249 Clinical Application of Speech-Language Pathology (2)**

Pre-requisite(s): CSD 4477 or concurrent enrollment

Clinical application of approaches for identifying, assessing, and treatment of individuals with communication disorders.

**CSD 4301 Introduction to Clinical Audiology (3)**

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357

Hearing sciences and approaches for evaluating hearing: anatomy and physiology of the ear, the decibel, ear pathology, pure-tone audiometry, speech audiometry, and acoustic-immittance audiometry.

**CSD 4302 Language Disorders in Children (3)**

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357

Basic principles of intervention and assessment for children with language impairments.

**CSD 4305 Technology and Science in Communication Sciences and Disorders (3)**

This course is designated to provide a comprehensive introduction to the technology used in the science of studying speech, language, hearing, and swallowing. Current technology used during research and clinical practice in the field of communication sciences and disorders will be presented.

**CSD 4308 Disorders of Speech and Swallowing (3)**

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357

Etiologies, characteristics, diagnosis, and treatment of disorders of speech and swallowing.

**CSD 4309 Medical Speech Pathology (3)**

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357

Etiologies, characteristics, diagnosis, and treatment of disorders associated with medical speech pathology.

**CSD 4312 Advanced Clinical Audiology (3)**

Pre-requisite(s): CSD 4301 and must have completed and earned a "B" or better in CSD 1308, 2318, 2351, and 3357

Routine and advanced audiologic measures, including masking and evoked-potential tests. Practical clinical experiences.

**CSD 4322 ASL/English Interpreting I (3)**

Pre-requisite(s): CSD 2302

An introduction to the process of interpreting and development of required skills: communication theory, non-verbal communication, intralingual skills, translation to and from written English texts, and consecutive interpreting.

**CSD 4323 ASL/English Interpreting II (3)**

Pre-requisite(s): CSD 2302 and 4322

A continuation of ASL/English Interpreting I. Continued development of necessary interpreting skills, with an emphasis on simultaneous interpreting.

**CSD 4352 Diagnostic Methods (3)**

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357 or Graduate Online CSD student

A study of diagnostic methods used in speech and language pathology, including interviewing, taking case histories, testing, and counseling. Evaluation of the standardization, reliability, and validity of existing tests. Practical application is required.

**CSD 4358 Speech Science (3)**

Pre-requisite(s): Must have completed and earned a 'B' or better in each of the following courses: CSD 1308, 2318, 2351, and 3357 or Graduate Online CSD student

Basic sciences underlying speech and hearing: physics of sound, the decibel, instrumentation, speech production, speech perception, and audition.

**CSD 4360 Language and Literacy Instruction for the Deaf I (3)**

Co-requisite(s):

Pre-requisite(s): CSD 1360

Contemporary practices in teaching literacy for Deaf/Hard of Hearing students, including bilingual assessment and intervention. Requires practicum hours.

**CSD 4361 Language and Literacy Instruction for the Deaf II (3)**

Co-requisite(s):

Pre-requisite(s): CSD 4360

A continuation of CSD 4360. Requires practicum hours.

**CSD 4368 Introduction to Aural Rehabilitation (3)**

Pre-requisite(s): CSD 4301 or consent of instructor; and must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357 or CSD Online student

Methods for rehabilitating persons with hearing impairment: evaluating communicative needs, amplification devices, auditory-visual training, and modes of communication for the deaf and hearing impaired.

**CSD 4477 Clinical Methods (4)**

Pre-requisite(s): CSD 3308; and must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357 or Graduate Online CSD student

Methods for treating individuals who have communication disorders. Observation of therapy conducted in the Baylor Speech, Hearing, and Language Clinic is required.

**CSD 4660 Internship I Deaf and Hard of Hearing EC-12 Part 1 (6)**

Co-requisite(s): CSD 4661

Pre-requisite(s): Minimum grade of B in both CSD 4360 and 4361, and satisfactory performance on the CSD departmental ASL proficiency exam

Full-time teaching experience in a Deaf/Hard of Hearing program. A mentor teacher and Baylor faculty will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes fifty-minute seminars to be attended each week.

**CSD 4661 Internship I Deaf and Hard of Hearing EC-12 Part 2 (6)**

Co-requisite(s): CSD 4660

Pre-requisite(s): Minimum grade of B in both CSD 4360 and 4361 and satisfactory performance on the CSD departmental ASL proficiency exam

Planning and preparing lessons and materials for full-time teaching. Includes completion of content modules, conferencing with mentor teacher and university supervisor, written lesson reflections, and observation of lessons taught by mentor teachers.

**CSD 4662 Internship II Deaf and Hard of Hearing EC-12 Part 1 (6)**

Co-requisite(s): CSD 4663

Pre-requisite(s): Minimum grade of B in both CSD 4660 and 4661  
Continuation of CSD 4660.

**CSD 4663 Internship II Deaf and Hard of Hearing EC-12 Part 2 (6)**

Co-requisite(s): CSD 4662

Pre-requisite(s): Minimum grade of B in both CSD 4660 and 4661  
Continuation of CSD 4661.

**CSD 4V85 Special Problems in Communication Sciences and Disorders (1-6)**

Pre-requisite(s): Fifteen semester hours in Communication Sciences and Disorders or Graduate Online CSD student

A conference course providing additional study in communication sciences and disorders. May be repeated once for credit.

**CSD 4V86 Health Science Leadership: Community Engagement and Service-Learning (1-3)**

Intensive integration of academic study and service-learning experiences with the community. Approval to take this course must be obtained from the faculty member and the CSD Chair. This course may be repeated once with faculty approval.

**CSD 4V87 Health Science Leadership: Applied Research (1-3)**

Intensive integration of academic study with an active research project under the supervision of a Communication Sciences & Disorders faculty member. Approval to take this course must be obtained from the faculty member and CSD Chair. This course may be repeated once if research continues.

**CSD 4V98 Health Science Leadership: Community Engagement and Service-Learning (1-3)**

Intensive integration of academic study and service-learning experiences with the community. Approval to take this course must be obtained from the faculty member and the CSD Chair. This course may be repeated once with faculty approval.

## American Sign Language (ASL) Minor

### Requirements for a Minor in "American Sign Language"

Our ASL minor is designed to provide an opportunity for students to work toward linguistic competency in ASL, a skill set that can be applied to careers in education, health, recreational services, speech-language pathology, interpreting, and more. While working toward linguistic competency students will also explore the literature, history, and culture of America's Deaf community and its influence on the larger global Deaf community. Students who have an interest in linguistics, language, culture, missions, and social justice issues will find this minor appealing.

Students wishing to transfer in ASL are to take the CSD departmental ASL placement exam if their college is not listed on the course equivalency list for Baylor University.

| Code   | Title                                 | Hours     |
|--|---------------------------------------|-----------|
| <b>Required Courses</b>                                  |                                       |           |
| Select eighteen semester hours in the following courses: |                                       | 18        |
| CSD 2301   | American Sign Language III            |           |
| CSD 2302   | American Sign Language IV             |           |
| CSD 3311   | American Sign Language V              |           |
| CSD 3312   | Deaf Culture                          |           |
| CSD 3313   | Linguistics of American Sign Language |           |
| CSD 3314   | ASL Literature and Visual Arts        |           |
| <b>Total Hours</b>                                       |                                       | <b>18</b> |

## Deaf Education Concentration - CSD, B.S.

### Requirements for a Major in Communication Sciences and Disorders (Deaf Education Concentration)

| Code  | Title  | Hours |
|---|--|-------|
| <b>Requirements</b>   |  |       |
| Minimum Requirement   |  | (124) |
| Residence Requirement - minimum   |  | (60)  |
| Grade point average – minimum of 2.8 overall and 3.0 in the major for work completed at Baylor. |  |       |
| <b>Basic Requirements</b>   |  |       |
| Chapel – two semesters  |  | 0     |
| ENG 2310  | American Literary Cultures   | 3     |
| HIS 1300  | The United States in Global Perspective  | 3     |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| REL 1310  | The Christian Scriptures   | 3     |
| REL 1350  | The Christian Heritage   | 3     |
| <i>Communication and Media Literacy</i>   |  |       |
| Select three hours  |  | 3     |
| <i>Contemporary Social Issues</i>   |  |       |
| Select 3 hours from the Contemporary and Social Issues distribution list.                       |  | 3     |
| <i>Fine Arts and Performing Arts (One Course)</i>   |  |       |
| Select 2-3 hours from the Fine Arts and Performing Arts distribution list.                      |  | 2-3   |
| <i>Foreign Languages and Cultures</i>   |  |       |
| Select 8 hours, at least 6 hours must be in residence   |  | 8     |
| ASL I and ASL II  |  |       |
| <i>Formal Reasoning</i>   |  |       |
| Select 3 hours from the Formal Reasoning distribution list.                                     |  | 3     |
| <i>Research, Writing, &amp; Literature (Two Courses)</i>  |  |       |
| Select 6 hours from the Research, Writing, and Literature distribution list.                    |  | 6     |
| <i>Scientific Method I (with Laboratory Experience)</i>   |  |       |
| Select one 4-hour course with included lab or lecture and matching lab                          |  | 4     |
| <i>Scientific Method II</i>   |  |       |

|   |   |                |
|---|---|----------------|
| Select one additional Science or Grand Challenges of Science course |   | 3-4            |
| <i>Lifetime Fitness</i>   |   |                |
| Select three hours  |   | 3              |
| <b>Major Requirements</b>   |   |                |
| <i>CSD Required Courses</i>   |   |                |
| CSD 1360  | Introduction to Deaf Education  | 3              |
| CSD 2318  | Language Development  | 3              |
| CSD 3312  | Deaf Culture  | 3              |
| CSD 4301  | Introduction to Clinical Audiology  | 3              |
| CSD 4368  | Introduction to Aural Rehabilitation  | 3              |
| CSD 4360  | Language and Literacy Instruction for the Deaf I  | 3              |
| CSD 4361  | Language and Literacy Instruction for the Deaf II   | 3              |
| CSD 4660 & CSD 4661   | Internship I Deaf and Hard of Hearing EC-12 Part 1 and Internship I Deaf and Hard of Hearing EC-12 Part 2   | 12             |
| CSD 4662 & CSD 4663   | Internship II Deaf and Hard of Hearing EC-12 Part 1 and Internship II Deaf and Hard of Hearing EC-12 Part 2 | 12             |
| CSD 2301  | American Sign Language III  | 3              |
| CSD 2302  | American Sign Language IV   | 3              |
| CSD 4352  | Diagnostic Methods  | 3              |
| <i>Education Courses</i>  |   |                |
| TED 1312  | Introduction to Teaching I  | 3              |
| EDP 2360  | Teaching Special Education  | 3              |
| EDC 3309  | Curriculum and Instruction for All-Level Certification  | 3              |
| <i>Restricted Electives</i>   |   |                |
| Select 9 hours from the following:                                  |   | 11             |
| TED 4312  | Methods of Teaching English as a Second Language  |                |
| CSD 3311  | American Sign Language V  |                |
| CSD 3313  | Linguistics of American Sign Language   |                |
| CSD 3314  | ASL Literature and Visual Arts  |                |
| TED 2340  | Teaching in Secondary Schools   |                |
| <b>Total Hours</b>  |   | <b>124-126</b> |

## Speech Language Pathology and Audiology Concentration - CSD, B.S.

### Requirements for a Major in Communication Sciences and Disorders (Speech Language Pathology and Audiology Concentration)

Dr. Michaela Ritter, Program Director

| Code                | Title | Hours |
|---------------------|-------|-------|
| <b>Requirements</b> |       |       |
| Minimum Requirement |       | (124) |

Residence Requirement (60)  
Grade point average – minimum of 2.00 (“C”) overall and 3.0 in the major for work completed at Baylor.

#### Basic Requirements

Chapel – two semesters

|          |  |   |
|----------|--|---|
| ENG 2310 | American Literary Cultures   | 3 |
| HIS 1300 | The United States in Global Perspective  | 3 |
| PSC 1387 | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3 |
| REL 1310 | The Christian Scriptures   | 3 |
| REL 1350 | The Christian Heritage   | 3 |

#### Communication and Media Literacy

Select three hours 3

#### Contemporary Social Issues

Select one course from the following: 3

|          |   |  |
|----------|---|--|
| ANT 1306 | Cultural Anthropology in Global Context             |  |
| PSY 1305 | Psychological Science: Understanding Human Behavior |  |
| SOC 1305 | Introduction to Sociology                           |  |

#### Fine Arts and Performing Arts (One Course)

Select 2-3 hours from the Fine Arts and Performing Arts distribution list. 2-3

#### Foreign Languages and Cultures

Select 6-8 hours 6-8

#### Formal Reasoning

STA 1380 Elementary Statistics 3

#### Research, Writing, & Literature (Two Courses)

Select 6 hours from the Research, Writing, and Literature distribution list. 6

#### Scientific Method I (with Laboratory Experience)

Select one 4-hour course with included lab or lecture and matching lab from the following: 4

|                     |   |  |
|---------------------|---|--|
| BIO 1303 & BIO 1103 | Human Ecology: Our Place in Nature and Human Ecology Lab: Our Place in Nature         |  |
| BIO 1305 & BIO 1105 | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |  |
| BIO 1306 & BIO 1106 | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |  |
| BIO 1401            | Current Issues in Human Biology   |  |
| BIO 1405            | Investigations of Modern Biology Concepts I   |  |
| BIO 1406            | Investigations of Modern Biology Concepts II  |  |

#### Scientific Method II

Select one additional Science or Grand Challenges of Science course any PHY or CHE from the distribution list. 3-4

#### Lifetime Fitness

Select three hours 3

#### Major Requirements

##### CSD Required Courses

|          |  |   |
|----------|--|---|
| CSD 1308 | Survey of Speech Pathology and Audiology | 3 |
|----------|--|---|

|          |  |   |
|----------|--|---|
| CSD 2318 | Language Development <sup>1</sup>                              | 3 |
| CSD 2351 | Introduction to Phonological Science <sup>1</sup>              | 3 |
| CSD 3308 | Introduction to Speech Sound Disorders                         | 3 |
| CSD 3357 | Anatomy and Physiology <sup>1</sup>                            | 3 |
| CSD 3359 | Neuroscience in Communication Sciences and Disorders           | 3 |
| CSD 4358 | Speech Science   | 3 |
| CSD 4301 | Introduction to Clinical Audiology                             | 3 |
| CSD 4302 | Language Disorders in Children                                 | 3 |
| CSD 4305 | Technology and Science in Communication Sciences and Disorders | 3 |
| CSD 4308 | Disorders of Speech and Swallowing                             | 3 |
| CSD 4368 | Introduction to Aural Rehabilitation                           | 3 |
| CSD 4477 | Clinical Methods   | 4 |

Minimum 3.0 GPA average in the CSD courses required for retention in the major.

#### Restricted Electives

Select 21 hours from the following: 21

|                  |  |  |
|------------------|--|--|
| ANT 1325         | Introduction to Global Health  |  |
| CFS 3324         | Children and Families with Special Needs                             |  |
| CFS 3356         | Theories of Family Development                                       |  |
| CLA 3381         | Medical Terminology  |  |
| CSD 2301         | American Sign Language III <sup>2</sup>                              |  |
| CSD 2302         | American Sign Language IV  |  |
| CSD 3311         | American Sign Language V   |  |
| CSD 3312         | Deaf Culture (Spring only)   |  |
| CSD 3313         | Linguistics of American Sign Language                                |  |
| CSD 4309         | Medical Speech Pathology   |  |
| CSD 4352         | Diagnostic Methods   |  |
| CSD 4V86         | Health Science Leadership: Community Engagement and Service-Learning |  |
| CSD 4V87         | Health Science Leadership: Applied Research                          |  |
| CSS 4313         | Communication and the Family   |  |
| EDP 2336         | The Developing Child   |  |
| LS 3305          | Children's Literature  |  |
| MH 2301          | Christian Spirituality and Health Care                               |  |
| NSC 1306         | Introduction to Neuroscience   |  |
| NSC/PSY 3311     | Cognition  |  |
| PHI 1307         | Critical Thinking  |  |
| PHI 1309         | Introduction to Medical Ethics                                       |  |
| PHP 2101         | Foundations of Medical Research (Fall only)                          |  |
| PSY 3308         | Theories of Psychotherapy and Counseling                             |  |
| PUBH 4327        | Dying and Death Education (prerequisite - upper-level standing)      |  |
| REL 4395         | Bioethics  |  |
| SOC/GRT 3305     | Introduction to Gerontology (Fall only)                              |  |
| SOC 3311         | The Sociology of Race and Ethnicity                                  |  |
| SOC 4310         | Death and Dying  |  |
| SOC/GRT 4395     | Aging and Mental Health (Fall only)                                  |  |
| GRT/SWO/SOC 4393 | Sociology of Aging   |  |



|                    |                               |
|--------------------|-------------------------------|
| PSY 3341           | A Survey of Human Development |
| General electives  | 15                            |
| <b>Total Hours</b> | <b>124-128</b>                |

<sup>1</sup> In order to be eligible to take the upper level CSD courses, students must have completed and earned a "B" or better in each of the following courses: CSD 1308 Survey of Speech Pathology and Audiology, CSD 2318 Language Development, CSD 2351 Introduction to Phonological Science, and CSD 3357 Anatomy and Physiology.

<sup>2</sup> Minimum grade of C in CSD 1406 American Sign Language II

## Health, Human Performance, and Recreation

The Department offers degree programs in Athletic Training, Exercise Physiology, Health, Kinesiology, and Leisure Studies, Health Science Studies, Physical Education (All-level teacher certification), and Recreation & Leisure Services. These programs offer a comprehensive array of didactic courses and laboratory experiences designed to develop high-quality professionals. The purpose of these programs is to prepare students for careers as physical education teachers and coaches, athletic trainers, public health educators, exercise physiologists, health/fitness specialists, and public or faith-based recreation professionals. The undergraduate degree program in Health Science Studies prepares students for careers in healthcare, such as dentistry, medicine, occupational therapy, and physical therapy through the pre-professional degree programs. The Department also offers a Health, Kinesiology, Leisure Studies program, which is designed to provide students a wide variety of career options. In addition, the Department houses the Lifetime Fitness nonmajor program, which offers over 25 different physical activity skill development courses to all Baylor students, including aerobics, bowling, golf, tennis, weight training, etc. Students pursuing the Bachelor of Science in Education degree with a teaching field in All-level Physical Education must meet School of Education certification requirements.

- Exercise Physiology, B.S. (p. 374)
- Health Sciences Studies, B.S. (p. 375)
- Health, Kinesiology, and Leisure Studies (p. 380)
- Intrauniversity Dance Minor (p. 381)
- Lifetime Fitness (p. 382)
- Outdoor Education and Leadership Minor (p. 383)
- Physical Education (All-Level) (p. 384)
- Recreation and Leisure Services (p. 386)
- Recreation and Leisure Services - Secondary Major (p. 387)
- Recreation Ministry Minor (p. 387)

## Human Performance (HP)

### HP 1101 Theory and Practice in Gymnastics (1)

Pre-requisite(s): Departmental consent required

An introductory skill course beginning with educational gymnastics and progressing to Olympic gymnastics.

### HP 1102 Theory and Practice in Track and Field (1)

Pre-requisite(s): Department consent required

An introductory skill course in track and field meeting during the spring semester of the freshman year.

### HP 1103 Theory and Practice in Dance (1)

Pre-requisite(s): Departmental consent required

A comprehensive skills course in the fundamentals of dance. Included are folk, aerobic, and modern dance skills.

### HP 1108 Elementary School Physical Activities (1)

This is an activity course for students interested in working with elementary age students. It is designed to introduce Baylor students to developmentally appropriate activities for elementary age children in the areas of fundamental skills, perceptual motor skills, games and sports skills, rhythmic activities and gymnastic skills. Through the context of movement, students will be exposed to the techniques, behaviors and approaches used by effective elementary physical education teachers.

### HP 1144 Theory and Practice in Tumbling and Dance (1)

Pre-requisite(s): Departmental consent required

A course designed to develop fundamental skills in tumbling and dance (folk, modern and aerobic) and to introduce students to the responsibilities of a cheerleader and/or drill team sponsor.

### HP 1201 Driver Education and Training (2)

A comprehensive driver education course covering all aspects of driving-learning to drive, traffic laws, mechanics of driving, the automobile, proper driving attitudes, and defensive driving. Upon successful completion of course requirements, students receive a Driver Training Certificate for insurance purposes.

### HP 1202 First Aid (2)

Cross-listed as RLS 1202

Pre-requisite(s): For RLS 1202: RLS majors only; for HP 1202: no prerequisite required

A course designed to teach the knowledge and techniques of first aid and emergency procedures. A Red Cross Standard First Aid Certificate is granted on completion.

### HP 1233 Red Cross Water Safety (2)

Pre-requisite(s): Departmental approval required

The most advanced aquatic course offered for certification by the American Red Cross. Prerequisites include prior certification in CPR and either Emergency Water Safety or Life Guarding. This course includes a review of swimming and lifesaving skills, analysis and remediation of stroke mechanics, lesson planning, classroom management, and teaching technique for the aquatic environment.

### HP 1236 Dance Choreography (2)

Pre-requisite(s): A minimum grade of C in HP 1103 or LF 1106 or consent of instructor

See required courses for the major.

### HP 1420 Human Anatomy (4)

Pre-requisite(s): HHPR (EP, HSS, PHSS, HKLS, PEDA, REC) and Public Health (PH) majors only

An introductory course designed to teach the basic life systems in the human body. Detailed examination of the circulatory, muscular, skeletal, respiratory, and endocrine systems will be emphasized.

### HP 1421 Introduction to Human Physiology (4)

Pre-requisite(s): HHPR (EP, HSS, PHSS, HKLS, PEDA, REC) and Public Health (PH) majors only

Provides the scientific foundation for the field of medicine, exercise physiology and all professions related to human health. Basic chemical and biological concepts will provide students the framework to comprehend physiological principles.



**HP 2102 Fitness Concepts and Testing Procedures (1)**

The acquisition of essential skills and knowledge in fitness education that lead to excellent physical conditioning and the ability to administer a variety of fitness tests. Students must demonstrate specified levels of physical fitness to complete the course.

**HP 2304 Advanced First Aid (3)**

Acquisition of skills and knowledge to qualify for Advanced First Aid certification through the American Red Cross or equivalent agency. Additional material in emergency care from a supplementary text is included. Practical application skills are performed.

**HP 2306 Anatomical Kinesiology (3)**

Pre-requisite(s): A minimum grade of C in HP 1420; HHPR (EP, HSS, PHSS, HKLS, PEDA, REC) and Public Health (PH) majors only

A course designed to develop an understanding of human movement through the study of neuromuscular control, anatomical structures, and mechanical principles.

**HP 2307 Biomechanics (3)**

Pre-requisite(s): HHPR (EP, HSS, PHSS, HKLS, PEDA, REC) and Public Health (PH) majors only

An overview of the principles and methods of analyzing human movement from a mechanical and quantitative perspective.

**HP 2309 Medical Conditions and Pharmacology (3)**

Pre-requisite(s): HP 2340 and HP 2342

Athletic Training Majors Only. This course covers the evaluation and prevention of the most common medical conditions. It also covers medications commonly encountered in the practice of physical medicine. It will include categories of drugs; generic and trade names of common drugs; the use, effects and precautions of common drugs; and drug-drug-interactions and pharmacokinetic principles.

**HP 2341 Prevention and Care of Athletic Injuries (3)**

Pre-requisite(s): A minimum grade of C in HP 1420

The course is designed to teach the basic athletic training needs, to teach fundamental skills and methods in athletic training, and to train an individual to take care of both injured and uninjured athletes.

**HP 2409 Emergency Medical Technician - Basic (4)**

Pre-requisite(s): Departmental consent required

This is a Texas Department of Health approved course leading to state certification as an Emergency Medical technician. The class requires classroom and field studies in applicable skills and environment. National Registry Exam available on completion.

**HP 2420 Exercise Physiology (4)**

Pre-requisite(s): A minimum grade of C in HP 1420; HHPR (EP, HSS, PHSS, HKLS, PEDA, REC) and Public Health (PH) majors only

This course provides lecture and lab experience in that aspect of sports medicine which involves the study of the body's response, adjustments, and adaptations to exercise.

**HP 3136 Innovative Games and Adventure Activities (1)**

Designed to assist the student in studies of the mechanics and techniques of each activity. Includes the skills, rules, principles and purposes of each activity. First semester sophomores and above are eligible to enroll in this course.

**HP 3300 Pedagogy of Team Sports (3)**

This course is designed to provide practice in teaching skills, to increase knowledge of games and difference sports rules, and to develop an appreciation for the basic skills in a variety of team sports. First semester sophomores and above are eligible to enroll in this course.

**HP 3301 Pedagogy of Individual Sports (3)**

This course is designed to provide practice in teaching skills, to increase knowledge of the games and different sports rules, and to develop an appreciation for the basic skills in a variety of individual sports. First semester sophomores and above are eligible to enroll in this course.

**HP 3302 Pedagogy of Dance (3)**

Pre-requisite(s): LF 1118 and 1148; or LF 1119

Course includes history, pedagogy, curriculum design, music selection, costuming, creative activities, and dance resources. Field experience includes observation, journal entries, and assisting in a dance environment.

**HP 3311 Essentials of Ethics in Healthcare (3)**

Cross-listed as HED 3311

Pre-requisite(s): REL 1310 and REL 1350

This course presents students with the opportunity to explore current healthcare ethical dilemmas, consider bias, and participate in the formulation of Christian responses in difficult healthcare situations. REL 1310 The Christian Scriptures and REL 1350 The Christian Heritage are prerequisites.

**HP 3312 Introduction to Standardized Patient Methodology (3)**

Cross-listed as THEA 3310

Pre-requisite(s): HHPR THEA majors only

Prior to enrollment students must audition and be selected. In this course students will be provided an introduction to the methodology of standardized patient encounters. Students will learn to be Simulation Performers (e.g., patients, family members) to provide standardized, real-life healthcare scenarios in the training of healthcare providers to improve medical and communication skills.

**HP 3320 Fundamentals of Exercise Biochemistry (3)**

Pre-requisite(s): Upper-level standing

Credit or concurrent enrollment in HP 2420. HHPR (EP, HSS, PHSS, HKLS, PEDA, REC) and Public Health (PH) majors only. An overview of biochemistry and metabolism related to exercise, training adaptations, and nutrition.

**HP 3330 Research Methods and Design in Exercise Science (3)**

Pre-requisite(s): HHPR (EP, HSS, PHSS, HKLS, PEDA, REC) and Public Health (PH) majors only

Introduction to research methods in exercise science including research designs, collection of data with appropriate statistical techniques, as well as the critique of peer reviewed research.

**HP 3346 Elementary School Physical Education (3)**

Pre-requisite(s): Elementary education majors and sophomore standing or above, HHPR majors, or permission from HP program director  
This course is designed for elementary education majors (EC-6 Generalist) and for those interested in working with young children. Students are introduced to the techniques and approaches used by effective physical education teachers as they design and implement elementary physical education programs. Class time is spent in the classroom, the gym, and in local schools exploring how children learn motor skills and adopt physically active lifestyles.

**HP 3368 Adapted Human Performance (3)**

Pre-requisite(s): Upper level standing

A study of the theory of corrective human performance with special emphasis on the analysis of movement and postural deviations and the choice of and application of exercises and activities for their correction.

**HP 3369 Perceptual Motor Skills Development (3)**

Pre-requisite(s): A minimum grade of C in HP 3346; and upper level standing

This course will identify normal developmental sequences and performance patterns of primary and intermediate age children. The emphasis will be the correlation of this information with skills.

**HP 3381 Fundamentals of Human Performance (3)**

Pre-requisite(s): Upper-level standing

This course examines the goals, objectives, and evaluation of exemplary programs.

**HP 3382 Risk Management in HHPR (3)**

Cross-listed as RLS 3382

Pre-requisite(s): Junior level standing; RLS 3382 for RLS majors only; HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only

Course explores the legal principles and rules of laws affecting administration and operation of health, physical education, recreation, sports programs, resources, areas, and facilities. Risk management and legal concepts are applied to contracts, human rights, property, products liabilities, negligence, and torts.

**HP 3V50 Clinical Research Collaboration (1-3)**

See HED 3V50 for course description.

**HP 3V79 Seminar in HHPR (1-6)**

hrs.

**HP 4301 Choreography and Production (3)**

Pre-requisite(s): LF 1118 and 1148; or LF 1119

This course is designed to enhance a student's performance skills in modern, ballet, and jazz dance. "Choreography" will include original routines using music selection, development of choreography, costuming, lighting, peer teaching, and written step instructions. "Production" will include performance in class as well as experience in production of a show at the end of the semester.

**HP 4352 Exercise and Sport Nutrition (3)**

Pre-requisite(s): HP 2420 and upper-level standing or consent of instructor

An overview of the role of nutrition as a means to enhance health and performance in exercise and sport. Topics to be covered include principles of healthful nutrition, energy metabolism, and nutrients, regulation of metabolism by vitamins and minerals, weight control, and analysis of the validity of proposed nutritional ergogenic aids.

**HP 4354 Techniques of Strength Training and Conditioning (3)**

Pre-requisite(s): HP 2306 and 2420

This course is to study current principles and procedures essential to strength training and conditioning practices. Emphasis is placed on the development and practical applications of aerobic conditioning, joint flexibility, muscular strength, power, and endurance programs.

**HP 4363 Philosophy, Principles, and Administration of Human Performance (3)**

Cross-listed as EDL 4363

Pre-requisite(s): Upper-level standing

Understanding of the fundamental principles and philosophy of human performance as they relate to program development, methodology, organization, and administration. Historical concepts, objectives, and purposes of human performance are also emphasized.

**HP 4368 Motor Learning and Development (3)**

Pre-requisite(s): Upper level standing

HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only. Skill learning and skill performance, covering the gradual development of human physical abilities over the centuries. The states of an individual's development from childhood to maturity will be studied. Included are factors affecting physical development, the nature of the learning process, and the methods suitable for both the early stages of skill learning and the advanced skill levels.

**HP 4369 Sports Psychology (3)**

Pre-requisite(s): Upper-level standing; HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only

Examines psychological theories and techniques applied to sport to enhance the performance and personal growth of athletes and coaches. Lecture with an emphasis on discussion. The course is designed to help both present and future coaches to use sound psychological principles to be more effective. Emphasis is given to understanding personality, motivation, confidence, discipline, imagery use, psyching techniques, relaxation training, anxiety and choking, attention and concentration, the psychology of injury and rehabilitation, and clinical issues common in athletics.

**HP 4370 Successful Coaching (3)**

Pre-requisite(s): Upper-level standing

The course is designed to provide a foundation in the practical application of sport science and management. Specifically, the class will address the sport psychology, sport pedagogy, sport physiology and sport management aspects of successful coaching. A 20-hour field-based experience with a middle or high school sports team is required.

**HP 4372 Sociology of Sport (3)**

Cross-listed as SOC 4311

Pre-requisite(s): Upper-level standing

A course that studies the interaction of various social influences such as the mass media, economics, race, gender, religion, group behavior, politics, and education on sport.

**HP 4375 Exercise Prescription in Health and Disease (3)**

Pre-requisite(s): HP 4450 This course will enable the student to apply the skills learned to writing exercise prescriptions for healthy and diseased populations

Emphasis will be given to developing exercise programs for individuals with chronic diseases and disabilities.

**HP 4384 Qualitative Analysis of Human Movement (3)**

Pre-requisite(s): A minimum grade of C in HP 2306 and upper level standing

Advanced instruction in qualitative analysis of human movement, with training in methods of perceiving and measuring errors of movement in a variety of environments (teaching, coaching, and clinical evaluation).

**HP 4393 Facilities and Equipment in HHPR (3)**

Cross-listed as RLS 4393

Pre-requisite(s): Upper level standing; HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only

Structural standards, operation, maintenance, function, design, and planning of human performance and recreation resources, areas, and facilities; and the selection, purchasing, and care of equipment appropriate to these programs and services.

**HP 4396 Religion and Sport (3)**

Cross-listed as REL 4396

See REL 4396 for course information.

**HP 4398 Sports-Related Ethics (3)**

Cross-listed as REL 4398

Perspective of the Judeo-Christian tradition of the moral concerns related to sports in American society. Various dimensions of the organized sports phenomenon, including those at the youth, secondary school, intercollegiate, and professional level. This course will not be accepted for credit toward a major or minor in religion or toward the six hour religion requirement by the University.

**HP 4450 Exercise Testing and Interpretation I (4)**

Pre-requisite(s): Prerequisite(s): HP 1421, Credit or concurrent registration in HP 2420; Current First Aid and CPR Certification  
Lectures will address the principles of common physical assessments used in clinical and fitness settings, the selection of appropriate assessments, results interpretation and the application of assessment results for exercise prescription and chronic disease risk reduction. Laboratory experiences are designed to develop competencies in physical assessment and results interpretation.

**HP 4471 Exercise Testing and Interpretation II (4)**

Pre-requisite(s): Prerequisite(s): HP 4450, Current First Aid and CPR Certification

Lectures and laboratory experiences build on information covered in HP 4450. This course is designed to develop and refine core competencies in conducting common physical assessments and interpreting results for exercise prescription and chronic disease risk reduction. Laboratory experiences include student engagement in comprehensive health and fitness profiles.

**HP 4V79 Internship in Human Performance (3-6)**

Pre-requisite(s): Departmental consent required

The internship provides hands-on experience for the human performance major in the area of his or her concentration. The experience includes a special project determined jointly by the student and the agency intern supervisor.

## Lifetime Fitness (LF)

**LF 1104 Adaptive Lifetime Fitness (1)**

Pre-requisite(s): Departmental consent required

Lifetime fitness activity class for students needing accommodation due to injury or disability. Prior to registration, students must present a medical statement from their physician outlining both the nature of the disability and recommendations for a variety of exercises to be done in class. The individualized exercise program is a total-body program with appropriate accommodations. A physical therapy exercise protocol that does not require an attending physical therapist may be utilized in class sessions. Participation in physical therapy sessions in a clinical setting will not substitute for an activity class. There is no waiver of the LF requirement. Course may be repeated for credit if necessary due to ongoing medical condition. Course is graded pass-fail.

**LF 1106 Beginning Aerobics (1)**

Concepts of physical fitness and the development of movement routines are fundamental to this course. Material covered includes a basic understanding of fitness with various assignments relating to that knowledge. Purchase of a lab manual is required.

**LF 1107 Intermediate Aerobics (1)**

This course incorporates all of the aspects of the beginner course. In addition, it teaches complex dance/exercise routines to music and provides a vigorous and complete workout for the more advanced student. Purchase of a lab manual is required.

**LF 1109 Swimmercize Aerobics (1)**

This course provides an enjoyable alternative to exercising on land. A water exercise class is an extremely efficient means of achieving fitness (particularly muscle tone) while using the natural resistance of water to exercise your body to the music.

**LF 1110 Aerobic Walking (1)**

This course is designed to provide students with a fitness foundation through the means of walking. Students will be given a fitness assessment profile, develop an exercise program, and participate in a series of small group and individual walks of varying lengths conducted over various terrains. Walking techniques and fitness strategies will be stressed. Conditioning emphasis will be placed on stamina, strength, flexibility, body composition, and muscle endurance. Student's progress of fitness and walking skills will be monitored and assessed regularly to assure completion of their goals and objectives.

**LF 1111 Aerobic Running (1)**

Students must be capable of running a mile without stopping at the beginning of the course. This class provides runners the opportunity to train and increase aerobic running capacity. Workouts are designed to meet individual fitness levels and goals. Health-related fitness components, safety, injury prevention, and training programs will be taught. Students develop an ability to maintain a high degree of aerobic fitness through long-distance running.

**LF 1112 Backpacking and Camping (1)**

A course designed to teach the values of wilderness experiences and the knowledge and skill necessary for enjoyable and safe basic wilderness living. Topics receiving emphasis include: safety, fitness, ecology, clothing, equipment, food preparation, emergency care, navigation and survival.

**LF 1113 Advanced Wilderness Pursuits (1)**

Application of baseline knowledge of land based activities to more specialized/advanced pursuits like thru-hiking, winter and/or glacier travel, canyoneering, or long expedition-style backpacking experiences. Development of physical fitness and specialized skills, techniques, concepts, and terminology requisite in adventure pursuits. A multi-day wilderness experience is required.

**LF 1114 Beginning Badminton (1)**

A course designed to teach the fundamental skills in badminton including appropriate stroke mechanics, serving, strategy, game variations, equipment selection, and rules and regulations.

**LF 1115 Intermediate Badminton (1)**

This course allows students to refine the skills previously developed, to participate at a higher level of competition, including refereed games, to increase their knowledge of court strategy, and to improve physical conditioning through increased performance.

**LF 1117 Beginning Ballet (1)**

This is an introductory course to ballet. The course provides training in technique, body placement, movement theory and terminology. Progressive classical ballet barre center work and floor combinations enable students to train their bodies in the proper classical technique of basic ballet.

**LF 1118 Intermediate Ballet (1)**

This course reviews the material present in basic ballet. More advanced ballet moves are used in an effort to progress to more difficult ballet routines.

**LF 1119 Advanced Ballet (1)**

Pre-requisite(s): Departmental consent required

This course is designed for the student who has had advanced level experiences in school or private ballet academy or has successfully completed the intermediate ballet class. Skills include refining basic moves and extensive work on dance routines.

**LF 1121 Beginning Bicycling (1)**

An introductory course covering bicycling knowledge, skills, and safety. Class rides will be from eight to ten miles. Required equipment: bicycle (safe, dependable, functioning, ten or more speeds), approved helmet, and means of repairing flat tire (frame pump, tire tools, patch kit, and wrench to get hub nut off, if needed).

**LF 1122 Intermediate Bicycling (1)**

An advanced-level course covering bicycling knowledge, skills, and safety. Class rides will be ten to fourteen miles. Although LF 1121, Beginning Bicycling, is not a prerequisite, students are expected to have mastered basic bicycling skills before enrolling in this course. Required equipment: safe, dependable, efficient bicycle with ten or more speeds; approved helmet; tire pump (frame type); and basic tool kit.

**LF 1123 Beginning Mountain Biking (1)**

This course is designed to prepare students with the basic skills needed for a lifetime of enjoyable mountain bike riding. Students are provided with an overall view of mountain biking, rules of the trail and road, safety, riding technique, clothing, equipment, and basic bike maintenance. Emphasis will be placed on the development of skills necessary to safely climb, descend, and maneuver a mountain bike through technical areas on various terrains.

**LF 1124 Beginning Bowling (1)**

The instructional format for this course includes skill development in grip, stance, approach, and ball delivery. Ball selection, scoring, rules and regulations, and practice will also be important ingredients of this class.

**LF 1125 Intermediate Bowling (1)**

This course incorporates the concepts learned in the beginner class with increased analysis and corrective feedback of present bowling techniques. Additional performance time allows students to enhance their skills.

**LF 1128 Varsity Sports Conditioning I (1)**

Pre-requisite(s): Departmental consent required

This course is designated as an entry level course for varsity athletes participating in intercollegiate sports.

**LF 1129 Varsity Sports Conditioning II (1)**

Pre-requisite(s): Departmental approval required

This course is a continuation of Varsity Conditioning I and allows athletes the opportunity to demonstrate the skills and knowledge acquired in Varsity Conditioning I.

**LF 1130 Social Dance (1)**

Introduction to social dance for the purpose of developing a lifetime recreational activity, often linked to social and professional situations. Various styles of social dance, such as fox trot, waltz, swing, rock and roll, country western, cha-cha, and tango, will be covered.

**LF 1134 Fitness Theory and Practice (1)**

A comprehensive course designed for the student desiring an in-depth understanding of the concepts of physical fitness including strength development, muscular endurance, cardiovascular endurance, body composition, stress, mood modifiers, and nutrition. A variety of energetic, practical experiences are incorporated to enhance the lectures.

**LF 1138 Beginning Golf (1)**

This course offers the students the opportunity to develop skills appropriate to the enjoyment of this healthy, lifetime sport. Students learn the proper stance, grip, and swing techniques for all clubs, as well as rules, terminology, and equipment selection.

**LF 1139 Intermediate Golf (1)**

Pre-requisite(s): LF 1138 or departmental consent required

A course designed for students who already possess the basic skills and knowledge necessary to play golf. Topics at the intermediate level include rules, productive practice, mental aspects, course management, ball flight laws, and continued in-depth look at the short game and full swing. Video analysis is utilized to enhance student learning.

**LF 1140 Advanced Golf (1)**

Pre-requisite(s): Departmental consent required

This course is for those students who own a set of clubs and have a handicap of less than twenty.

**LF 1147 Beginning Jazz Dance (1)**

A dramatic, disciplined, and versatile style of theatrical dance. Students will gain a broader base for creative development, expression, and movement than ballet. The major concepts of jazz dance include principles of proper body alignment, strength, and flexibility development, and knowledge of movement theory.

**LF 1148 Intermediate Jazz Dance (1)**

The intermediate-level jazz class greatly strengthens and builds upon a student's dance technique, increases knowledge and application of body alignment, flexibility and muscle control. Intermediate level includes more complex progressions, dance combinations, choreography, dance routines, and teaching skills.

**LF 1151 Beginning Martial Arts (1)**

This is a course designed to improve beginning self-defense techniques. Skills include kicking, punching, blocking, and offensive and defensive maneuvers. Martial Arts improve strength flexibility, body control, and self-confidence.

**LF 1152 Intermediate Martial Arts (1)**

Pre-requisite(s): LF 1151 or departmental consent required

This course reviews material covered at the beginning level of Martial Arts. The practice of fluid movements, sweeps, throws, falling and rolling, joint-locks and beginning self-defense maneuvers are introduced. This course also develops kata applications and introduces free sparring.

**LF 1153 Advanced Martial Arts (4)**

Pre-requisite(s): LF 1152 or departmental consent required

Students must have successfully completed Intermediate Martial Arts or have special permission of the instructor to enter advanced class. The advanced class will focus on applying the techniques of self-defense, as well as introducing the strategy and tactics used in free sparring. New martial arts techniques appropriate for each skill level will also be taught.

**LF 1156 Beginning Racquetball (1)**

Equipment selection, safety procedures, serves, strokes, volley, court strategy, rules, and actual play are combined to give the basics needed for enjoyable and knowledgeable participation.

**LF 1157 Intermediate Racquetball (1)**

This course refines the basics and offers the more advanced student the opportunity for increased participation and analysis and corrective feedback. Advanced shots such as overhead, backwall, Z, and drills strategy.



**LF 1158 Paddle Sports (1)**

This course is designed to provide the student with the knowledge and skills needed to participate in and enjoy kayaking, canoeing and stand up paddle boarding (SUP) as lifetime fitness and recreational activities. Special emphasis will be given to the development of sound fundamental knowledge and skills such as paddling and steering techniques; rolling; fitting, care and use of equipment; personal safety and fitness skills; and reading moving water.

**LF 1159 Sailing and Canoeing (1)**

A highly enjoyable recreational activity that provides the basic skills of seamanship necessary to canoe or sail safely and efficiently. The course content includes nautical terminology, types of sailing vessels, proper sailing mechanics, weather conditions, and emergency first aid care. American Red Cross certification is available upon completion of the course.

**LF 1160 Beginning Rock Climbing (1)**

This course is intended to provide students with the fundamentals of rock climbing for lifelong leisure involvement. Course content will address personal fitness, knowledge of sport, equipment, climbing safety, and technique. The majority of this course will take place within the indoor rock wall environment but skills taught will be transferable to a top rope, outdoor environment.

**LF 1161 Intermediate Rock Climbing (1)**

Pre-requisite(s): LF 1160 or departmental consent required

This course is intended to provide students with intermediate rock climbing skills and practices including multi-pitch belaying and rappelling, anchor systems, partner and self-rescue, route finding, minimal impact climbing, climbing hazards, and safety, as well as an introduction to sport lead climbing (indoor lead climbing). The majority of this course will take place within the indoor rock wall environment. A class weekend field trip is required.

**LF 1162 Outdoor Adventure Sports (1)**

Introduction to a variety of outdoor adventure sports, e.g., mountain biking, cycling, canoeing, kayaking, caving, rock climbing, bouldering, hiking, ice climbing, snow-shoeing, and geocaching. Focus will be on two to four activities to develop the entry level skills and fundamental techniques necessary for lifelong engagement in those pursuits. The course may include an overnight culminating experience.

**LF 1163 Beginning Self Defense (1)**

Practical self-defense for people with no previous training in martial arts. The course will emphasize risk avoidance, risk recognition, and escape. The tactics and strategy of physical confrontation will be introduced - falling, throws, punching, blocking, and kicking.

**LF 1168 Soccer (1)**

A comprehensive course in the fundamentals of soccer including dribbling, passing, kicking, and tackling skills, offensive and defensive strategies, rules and regulations, and conditioning.

**LF 1169 Intermediate Self Defense (1)**

Pre-requisite(s): A minimum grade of C in LF 1151 or 1163

Intermediate self-defense strategy and tactics for students who have already been introduced to the basic techniques of karate and/or self-defense training.

**LF 1170 Advanced Self Defense (1)**

Pre-requisite(s): A minimum grade of C in LF 1152 or 1169

Advanced self-defense strategy and tactics for students who already have an intermediate level of skill in karate and/or self-defense training with an emphasis on self-defense in a professional setting (teacher, therapist, counselor, etc.).

**LF 1171 Softball (1)**

This course stresses the fundamentals of throwing, catching, fielding, batting, rules and regulations, equipment selection, drills, and actual play.

**LF 1175 Beginning Swimming (1)**

This course in basic water safety is designed to make adults reasonably safe while in or near the water. Topics include: physical and mental adjustment to water, breathing and breath holding, kick on front and back, buoyancy and body positioning, propulsion and coordinated stroking, entries to water, and personal safety.

**LF 1176 Intermediate Swimming (1)**

A course that develops correct stroke technique, introduction to breast stroke, side stroke, butterfly, turns, diving, basic and emergency water safety, and daily conditioning through lap swimming.

**LF 1177 Advanced Swimming (1)**

This course is designed for the swimmer possessing sufficient skills in aquatics to allow for an understanding of the hydrodynamic principles associated with six strokes. This course will enable the individual to increase physical conditioning by designing individualized programs incorporating distance and interval training techniques into daily swim routines. Emergency water safety is stressed.

**LF 1178 Lifeguard Training (1)**

Pre-requisite(s): Departmental consent required

An advanced aquatic course that prepares the individual to deal with life-threatening situations in various aquatic environments. Advanced swimming skills are required. Skill areas include assists, carries, defenses, releases, equipment rescues, facility safety, and many others. National Red Cross Lifeguarding certification is offered upon successful completion.

**LF 1179 Beginning Tai Chi (1)**

Beginning Tai Chi focuses on slow body movements used to improve balance, coordination, concentration, awareness and timing. Instruction follows a practical scientific approach yielding illustrations of applications for each of the movements in daily life. The classical Tai Chi form will be used as a model to facilitate the known benefits of exercise and stress reduction. Cardiovascular training, strength and flexibility training, balance and coordination are interval parts of Tai Chi training, as well as the meditative/stress management techniques that are a part of the form.

**LF 1181 Beginning Tennis (1)**

This course teaches the basics for tennis. Included are tennis terminology, rules and regulations, etiquette, equipment selection, serve, volley, ball control, forehand and backhand strokes. In-class practice of drills and individual play is provided.

**LF 1182 Intermediate Tennis (1)**

This class refines previously learned skills of ball control, serve, forehand and backhand strokes. Included in intermediate tennis is doubles play and class games and tournaments.

**LF 1183 Advanced Tennis (1)**

The advanced tennis player must possess a detailed knowledge and understanding of stroke mechanics and corrective drills, rules, equipment, and terminology. The advanced tennis class provides an opportunity for play with others of the same proficiency in the game. Refining strokes and physical conditioning are stressed.

**LF 1189 Volleyball (1)**

This exciting team sport incorporates knowledge of the rules and court strategy with skills such as setting, bumping, serving, and conditioning to make a well-rounded player.



**LF 1190 Multi-terrain Volleyball (1)**

Pre-requisite(s): LF 1189 or formal competitive play

For the student who has experience in volleyball through competitive play, Multi-terrain Volleyball offers analysis and development of techniques and game strategy for Wallyball, played in racquetball courts; Outdoor Volleyball, played on sand courts; and Indoor Volleyball. Emphasis is on refinement of skills of the game, conditioning, safety, court strategy, rules, and actual play for enjoyable and knowledgeable lifelong participation.

**LF 1192 Weight Control (1)**

A course designed to teach weight control through a combination of proper diet, nutritional advice, and exercise. Toning and conditioning your body is accomplished through weight training, circuit training and exercise routines performed to music.

**LF 1194 Beginning Weight Training (1)**

This course incorporates basic anatomic and physiological principles to specific lifts, exercises, muscles, and training techniques pertinent to the development of an individualized weight training program.

**LF 1195 Intermediate Weight Training (1)**

This course is designed for the advanced students and will review basic concepts covered in the beginning course. In addition, more advanced techniques and training principles will be incorporated into each student's individual exercise routine.

**LF 1197 Beginning Relaxation/Fitness (1)**

The beginning level provides a basic set of exercises which form the foundation of a regular daily routine. Relaxation techniques provide an effective approach to stress reduction. Emphasis is on improving postural alignment increasing strength, flexibility, endurance, improving concentration, and reducing stress.

**LF 1198 Intermediate Relaxation/Fitness (1)**

Pre-requisite(s): LF 1197 or departmental consent required

The intermediate level provides a comprehensive series of exercises designed to maintain the proper curvature of the spine, and to keep all systems of the body healthy. A wide range of intermediate exercises are presented for students to incorporate into their basic exercise routine. Therapeutic exercises are introduced for specific disabilities.

**LF 1199 Advanced Relaxation/Fitness (1)**

Pre-requisite(s): LF 1198 or departmental consent required

The advanced level is structured for the student who has developed strength, stamina and flexibility. Advanced exercises are introduced to maximize the potential for good health and vitality. Students learn to adapt the exercises to suit the various life cycles. Concentration on postural refinement is emphasized.

## Recreation & Leisure Services (RLS)

**RLS 1202 First Aid (2)**

Cross-listed as HP 1202, RED 1202

See HP 1202 for course information.

**RLS 1234 Canoeing Instructor Certification (2)**

This course is designed to qualify a student as an American Red Cross Canoeing Instructor. Upon completion of the course the student will be able to organize, teach, and issue certification for Red Cross basic canoeing courses.

**RLS 1235 Sailing & Canoeing Instructor (2)**

Pre-requisite(s): LF 1159

Qualifies a student as an American Red Cross Instructor for sailing and canoeing. Upon completion of the course the student will be able to organize, teach, and issue certification for Red Cross basic sailing and canoeing courses.

**RLS 1396 Introduction to Leisure Services (3)**

Introduction to the concepts of leisure and recreation, the components of leisure service systems and the role of recreation in human experience and society. A survey of the historical development of recreation and leisure and its corresponding philosophical and theoretical thought.

**RLS 2201 Adventure Recreation Leadership and Challenge Course Facilitation (2)**

This course is designed to provide students with the knowledge, skills, and practical experience necessary to lead adventure recreation experiences: group initiatives, low challenge courses, and high challenge courses. The course will consist of classroom and laboratory experiences in the Rec Lab and at the Challenge Course at Eastland Lakes.

**RLS 2202 Climbing Wall Instructor Certification Course (2)**

Pre-requisite(s): Must have a Baylor University belay certification prior to the first day of class or have belaying experience

At least one year documented personal climbing experience (a minimum of occasions climbing indoors and/or outdoors.) Prior teaching experience or have observed at least two belay classes at the Baylor Rock Wall are highly recommended. Approval by course instructor required. Climbing ability for AMGA certification: 5.9 top rope and 5.8 for lead certification on artificial structures. This course is designed for climbers interested in becoming climbing wall instructors. This class will focus on how to teach climbing skills, develop lessons, manage risk, and perform rescues. The focus areas are specific to the AMGA Climbing Wall Instructor Course but are similar skill sets required for outdoor leaders in many settings. The course will emphasize educational theories, lesson plan development, and giving/receiving feedback.

**RLS 2301 Camp Counseling and Administration (3)**

This course will deal with the administration and organization of resident and day camps. It will also cover the responsibilities of the different camp leadership (counselor, nurse, cook, etc.).

**RLS 2388 Leisure and Lifestyle Well-Being (3)**

Develop the knowledge and skill to develop programs and services to educate the public for leisure and to improve student's personal health through lifestyle decision-making. To understand the role of leisure in the American lifestyle and to assist the American public to develop a more enjoyable life (experience quality of life) through leisure education, skills, leadership strategies and resources. Lab experience required.

**RLS 2389 Leadership and Facilitation in Leisure Services (3)**

Facilitate development of leisure lifestyle and use of leisure resources, and the ability to use leadership techniques to organize and conduct leisure programs and services. Acquire a knowledge of the role and content of leisure programs and services. This is accomplished through such as indoor/outdoor games, mixers, table games, skits/stunts, songs, stories, hobbies/crafts, and planning socials/picnics/retreats.

**RLS 2395 Foundations of Therapeutic Recreation (3)**

Psychological, sociological, physiological, historical significance of therapeutic recreation, philosophy, theories, practices of health and human service professionals, and functioning needs and implications of therapeutic recreation with persons with disabilities with experiential opportunity.

**RLS 3301 Theory & Practice of Outdoor Adventure Programs (3)**

Pre-requisite(s): RLS major or upper-level standing  
Outdoor Adventure experiences are a desired programming element offered in comprehensive leisure service agencies and may also be the primary or sole focus of an agency. This course is designed to introduce students to the philosophical and theoretical foundations of outdoor adventure programming. The course will also explore the many core competency areas required of outdoor adventure administrators that occur in the field, managerial, educational and leadership realms. Through classroom and field experiences, students will be able to increase knowledge related to the career path for the professional, implications/benefits for the participant and programming considerations of outdoor adventure experiences. Weather and schedule permitting, the course will expose students to a variety of institutional, front country type outdoor adventure experiences including caving, biking, rock climbing, backpacking, camping and rappelling. All equipment furnished except bicycle. Two week-end trips, one Saturday, and three evenings required.

**RLS 3302 Program Planning in Leisure Services (3)**

Pre-requisite(s): RLS major or upper-level standing  
Students will become aware of programming content and process including assessment, planning, implementation and evaluation of services. Students will develop an awareness of professional practices/principles, resources, promotion and marketing, and computer applications.

**RLS 3303 Outdoor Adventure Certifications (3)**

Designed to help students acquire foundational knowledge of outdoor leadership and receive certifications in three areas covering Wilderness Medicine, Leave No Trace: Outdoor Ethics, and Wilderness Education Associates: National Standard Protocol. All equipment furnished. One weekend trip required.

**RLS 3382 Risk Management in HHPR (3)**

Cross-listed as HP 3382, RED 3382  
See HP 3382 for course information.

**RLS 3396 Field Laboratory in Leisure Services (3)**

Pre-requisite(s): A minimum grade of C in RLS 1396, 2388, 2389, and 3302  
Field experience in selected leisure service delivery settings with supervision by qualified professional. Documentation of 200 clock hours during semester. (Graded)

**RLS 4301 Outdoor Education (3)**

Pre-requisite(s): RLS major or upper-level standing  
This course will deal with ways to use the outdoors to facilitate and enrich learning related to the school curriculum. It will also deal with ways to enjoy and protect our natural environment. Some of the skills involved are the use of nature games, compass and map games, conservation projects, natural crafts, field investigations, trail building, and teaching various classroom subjects in an outdoor setting.

**RLS 4331 Meanings, Culture, and Philosophy of American Landscapes (3)**

A critical approach to understanding the meanings, culture, and philosophies Americans ascribe to natural landscapes. Traditional perspectives including colonial American, romantic, and science-based conservation are characterized, as well as revisionist themes aligned with gender, cultural pluralism, and societal meanings of natural resource based protected areas.

**RLS 4390 Independent Study in Recreation (3)**

Pre-requisite(s): For majors only  
Additional in-depth study in a particular area under the supervision of a faculty member.

**RLS 4391 Leisure Service Management (3)**

Develop understanding of management as applied to leisure systems. Content includes organizational theories/behavior, personnel and fiscal management, legal and legislative concepts, and computer use in the management functions.

**RLS 4392 Professional Issues and Practices in Leisure Services (3)**

Pre-requisite(s): A minimum grade of C in RLS 1396, 2388, 2389, 3302, and 3396  
Examination and application of research and evaluation models and methodologies to planning and delivering programs. Computer applications with statistical analysis of data to evaluate actual programs. Students study current professional issues, trends, organizations, and professionalism. Students prepare for internship, develop professional resources, and practice articulating professional philosophies.

**RLS 4393 Facilities and Equipment in HHPR (3)**

Cross-listed as HP 4393, RED 4393  
See HP 4393 for course information.

**RLS 4395 Principles of Church Recreation (3)**

History, philosophy, objectives, and administration of recreation in the church and how it relates to the total ministry of the church. It will include an overview of various areas of church recreation and an investigation of leisure and its value in a church setting.

**RLS 4396 Considerations for Diverse Populations in Leisure Programming (3)**

Pre-requisite(s): RLS major or upper-level standing  
In-depth investigation into the nature and implications of social class, ethnicity and race, gender, age, illness and disability upon individuals and their leisure/recreation patterns and leisure service delivery, with consideration of societal attitudes, role of leisure professionals, relevant legislation, programming opportunities, and resources for service delivery. Field experience required.

**RLS 4V13 Recreation & Leisure Services Field School (3-9)**

Short-term educational travel to a selected area(s) to observe and analyze social, economic, and environmental systems relative to natural resource management and outdoor recreation environments and to develop leadership and technical skills necessary to manage both environments and people associated with recreation programming. Methodologies may include ethnography, service and/or experiential learning, and application of the scientific method.

**RLS 4V94 Internship in Leisure Services (3-9)**

Pre-requisite(s): 2.25 overall GPA and 2.5 GPA in major and completed all major courses in RLS  
Full-time work placement internship with a leisure service agency involving application of major courses in day-to-day operations and a project mutually agreed upon by the instructor and agency. (Graded)

## Exercise Physiology, B.S.

### Bachelor of Science in Exercise Physiology

Dr. Yunsuk Koh, Director

| Code  | Title | Hours |
|---|-------|-------|
| <b>Requirements</b>   |       |       |
| Minimum Requirement   |       | (124) |
| Residence Requirement – minimum   |       | (60)  |
| Grade point average – minimum of 2.00 ("C") overall and in the major for work done at Baylor. |       |       |

**Basic Requirements**

|   |     |
|---|-----|
| Chapel – two semesters  | 0   |
| ENG 2310 American Literary Cultures   | 3   |
| HIS 1300 The United States in Global Perspective  | 3   |
| PSC 1387 The U.S. Constitution, Its Interpretation, and the American Political Experience   | 3   |
| REL 1310 The Christian Scriptures   | 3   |
| REL 1350 The Christian Heritage   | 3   |
| <i>Communication and Media Literacy</i>   |     |
| CSS 1301 Fundamentals of Public Communication   | 3   |
| or CSS 1302 Speech for Business and Professional Students                                   |     |
| <i>Contemporary Social Issues</i>   |     |
| PSY 1305 Psychological Science: Understanding Human Behavior                                | 3   |
| <i>Fine Arts and Performing Arts (One Course)</i>   |     |
| Select 2-3 hours from the Fine Arts and Performing Arts distribution list.                  | 2-3 |
| <i>Foreign Languages and Cultures</i>   |     |
| Select 3-4 hours from the Foreign Languages and Cultures distribution list.                 | 3-4 |
| <i>Formal Reasoning</i>   |     |
| MTH 1320 Precalculus Mathematics  | 3   |
| or MTH 1321 Calculus I  |     |
| <i>Research, Writing, &amp; Literature (Two Courses)</i>                                    |     |
| ENG 1310 Writing and Academic Inquiry Seminars  | 3   |
| or PWR 3300 Technical Writing   |     |
| ENG 2301 British Literature   | 3   |
| or ENG 2306 World Literature  |     |
| <i>Scientific Method I (with Laboratory Experience)</i>                                     |     |
| PHY 1408 General Physics for Natural and Behavioral Sciences I (with Laboratory Experience) | 4   |
| <i>Scientific Method II</i>   |     |
| CHE 1300 Introductory Chemistry   | 3   |
| or CHE 1301 Basic Principles of Modern Chemistry I  |     |
| Lifetime Fitness  | 3   |
| <b>Major Requirements</b>   |     |
| <i>Human Performance Required Courses</i>   |     |
| HP 1420 Human Anatomy   | 4   |
| HP 1421 Introduction to Human Physiology  | 4   |
| HP 2306 Anatomical Kinesiology  | 3   |
| HP 2307 Biomechanics  | 3   |
| HP 2420 Exercise Physiology   | 4   |
| HP 3320 Fundamentals of Exercise Biochemistry   | 3   |
| HP 3330 Research Methods and Design in Exercise Science                                     | 3   |
| HP 4352 Exercise and Sport Nutrition  | 3   |
| HP 4354 Techniques of Strength Training and Conditioning                                    | 3   |
| HP 4368 Motor Learning and Development  | 3   |
| HP 4375 Exercise Prescription in Health and Disease   | 3   |
| HP 4450 Exercise Testing and Interpretation I   | 4   |
| HP 4471 Exercise Testing and Interpretation II  | 4   |
| HP 4369 Sports Psychology   | 3   |

|         |                                  |   |
|---------|----------------------------------|---|
| HP 4393 | Facilities and Equipment in HHPR | 3 |
|---------|----------------------------------|---|

*Required Courses in Other Fields*

|           |  |   |
|-----------|--|---|
| PHY 1409  | General Physics for Natural and Behavioral Sciences II | 4 |
| NUTR 2351 | Nutrition  | 3 |
| SOC 1305  | Introduction to Sociology                              | 3 |
| PUBH 1145 | Health and Human Behavior                              | 1 |

*Professional Field Experiences*

|         |                                 |   |
|---------|---------------------------------|---|
| HP 4V79 | Internship in Human Performance | 6 |
|---------|---------------------------------|---|

**Must have current First Aid and CPR certification to enroll in these courses.**

*Restricted Electives*

|   |    |
|---|----|
| Select any three credit hour courses from the approved list of classes. "1000" level one-hour activity courses may not be taken to meet this requirement. | 12 |
|---|----|

|                    |                |
|--------------------|----------------|
| <b>Total Hours</b> | <b>124-126</b> |
|--------------------|----------------|

## Health Sciences Studies, B.S.

Tricia Blalock, PT, DPT, MPH, CLT

Director of Health Science Studies

## Degree Requirements

Degree Requirements - minimum 124 sem. hrs.

- Minimum - 36 hrs. advanced/upper level credit total hours
- Minimum - 60 semester hours must be earned in residence
- After a student achieves senior standing (90 earned credits), all upper division courses (3000 or 4000 level) must be taken in residence (or in a Baylor approved study abroad program).
- No course may be taken pass-fail; Courses taken pass/fail will not be eligible for transfer

Transfer students must have a cumulative GPA corresponding to the minimum requirements for each track.

Students who wish to change their major to Health Science Studies after completing course work at Baylor may do so only at the end of a full semester. Students must be eligible to register for BIO 1305 Modern Concepts of Bioscience and BIO 1105 Modern Concepts of Bioscience Laboratory, and CHE 1301 Basic Principles of Modern Chemistry I and CHE 1101 General Chemistry Laboratory I, and have a cumulative GPA corresponding to the minimum requirements for each track:

| Program                 | Cumulative GPA     |
|-------------------------|--------------------|
| Pre Medical/Dental      | 3.2 cumulative GPA |
| Pre Physician Assistant | 3.2 cumulative GPA |
| Pre Physical Therapy    | 3.2 cumulative GPA |
| Pre Athletic Training   | 3.0 cumulative GPA |
| Health Professions      | 3.0 cumulative GPA |

Students whose cumulative GPA falls below the minimum requirement in any semester will be placed on probation for one semester. Students whose cumulative GPA falls below the required minimum for their track for a second consecutive semester will be dismissed from the track and must select another major or alternative track for which they do have the minimum cumulative GPA. Students will not be permitted to re-enter a track once dismissed.

## Pre-Physical Therapy Option

| Code   | Title  | Hours |
|--|--|-------|
| <b>Requirements</b>  |  |       |
| Minimum Requirement  |  | (124) |
| Residence Requirement – minimum  |  | (60)  |
| Grade point average – minimum of 3.2 overall.                                |  |       |
| <b>Basic Requirements</b>  |  |       |
| Chapel – two semesters   |  | 0     |
| ENG 2310   | American Literary Cultures   | 3     |
| HIS 1300   | The United States in Global Perspective  | 3     |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| REL 1310   | The Christian Scriptures   | 3     |
| REL 1350   | The Christian Heritage   | 3     |
| SOC 1305   | Introduction to Sociology  | 3     |
| <i>Communication and Media Literacy</i>                                      |  |       |
| CSS 1301   | Fundamentals of Public Communication   | 3     |
| or CSS 1302  | Speech for Business and Professional Students                                    |       |
| <i>Contemporary Social Issues</i>  |  |       |
| PSY 1305   | Psychological Science: Understanding Human Behavior                              | 3     |
| <i>Fine Arts and Performing Arts (One Course)</i>                            |  |       |
| Select 2-3 hours from the Fine Arts and Performing Arts distribution list.   |  | 2-3   |
| <i>Foreign Languages and Cultures</i>  |  |       |
| Select 3-4 hours from the Foreign Languages and Cultures distribution list.  |  | 3-4   |
| <i>Formal Reasoning</i>  |  |       |
| MTH 1320   | Precalculus Mathematics  | 3     |
| or MTH 1321  | Calculus I   |       |
| <i>Research, Writing, &amp; Literature</i>                                   |  |       |
| Select 6 hours from the Research, Writing, and Literature distribution list. |  | 6     |
| <i>Scientific Method I (with Laboratory Experience)</i>                      |  |       |
| BIO 1305 & BIO 1105  | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory       | 4     |
| <i>Scientific Method II</i>  |  |       |
| CHE 1301 & CHE 1101  | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I        | 4     |
| Lifetime Fitness   |  | 3     |
| <b>Major Requirements</b>  |  |       |
| <i>HHPR Required Courses</i>   |  |       |
| HED 1350   | Dimensions of Health Science Studies   | 3     |
| HP 1420  | Human Anatomy  | 4     |
| HP 2306  | Anatomical Kinesiology   | 3     |
| HP 2307  | Biomechanics   | 3     |
| or HP 2341   | Prevention and Care of Athletic Injuries   |       |
| HP 2420  | Exercise Physiology  | 4     |
| or NSC 1306 & NSC 1106   | Introduction to Neuroscience and Introduction to Neuroscience Laboratory         |       |
| HP 4368  | Motor Learning and Development   | 3     |
| or HP 3368   | Adapted Human Performance  |       |

### Professional Field Experiences

|         |                                 |   |
|---------|---------------------------------|---|
| HP 4V79 | Internship in Human Performance | 3 |
|---------|---------------------------------|---|

**Students must have department approval and current First Aid and CPR certification to enroll in this course.**

### HHPR Restricted Electives

|  |   |
|--|---|
| Select nine semester hours from the following: | 9 |
|--|---|

|             |  |  |
|-------------|--|--|
| PUBH 3325   | Maternal and Infant Health                                 |  |
| PUBH 4320   | Men's Health and Wellness                                  |  |
| PUBH 4321   | Human Sexuality  |  |
| PUBH 4327   | Dying and Death Education                                  |  |
| PUBH 4340   | Global Health  |  |
| HED 3300    | Clinical Skills Training and Assessment                    |  |
| HP/HED 3311 | Essentials of Ethics in Healthcare                         |  |
| HED 4305    | A Biblical Theology of Suffering for Health Care Providers |  |
| HP 3330     | Research Methods and Design in Exercise Science            |  |
| HP 3382     | Risk Management in HHPR                                    |  |
| HP 4375     | Exercise Prescription in Health and Disease                |  |
| HP 4352     | Exercise and Sport Nutrition                               |  |
| HP 4354     | Techniques of Strength Training and Conditioning           |  |
| HP 4384     | Qualitative Analysis of Human Movement                     |  |

|                                  |   |
|----------------------------------|---|
| Upper Level Supportive Electives | 6 |
|----------------------------------|---|

### Required Courses in Other Fields

|                                       |   |   |
|---------------------------------------|---|---|
| BIO 1306<br>& BIO 1106                | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory                               | 4 |
| BIO 3322<br>& BIO 3122                | Human Physiology<br>and Human Physiology Lab  | 4 |
| BIO 4432                              | General Human Anatomy   | 4 |
| CHE 1302<br>& CHE 1102                | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II  | 4 |
| CLA 3381                              | Medical Terminology   | 3 |
| NUTR 3314                             | Consumer Nutrition  | 3 |
| PHY 1408<br>& PHY 1409                | General Physics for Natural and Behavioral<br>Sciences I<br>and General Physics for Natural and<br>Behavioral Sciences II | 8 |
| PUBH 1145                             | Health and Human Behavior   | 1 |
| PSY 3321<br>or PSY 3341               | Abnormal Psychology<br>A Survey of Human Development  | 3 |
| Select one course from the following: |   | 3 |
| STA 1380                              | Elementary Statistics   |   |
| STA 2381                              | Introductory Statistical Methods  |   |

|                    |                |
|--------------------|----------------|
| <b>Total Hours</b> | <b>124-126</b> |
|--------------------|----------------|

## Pre-Medical/Pre-Dental Option

| Code  | Title | Hours |
|---|-------|-------|
| <b>Requirements</b>                           |       |       |
| Minimum Requirement                           |       | (124) |
| Residence Requirement – minimum               |       | (60)  |
| Grade point average – minimum of 3.2 overall. |       |       |
| <b>Basic Requirements</b>                     |       |       |



|   |      |
|---|------|
| Chapel – two semesters  | 0    |
| ENG 2310 American Literary Cultures   | 3    |
| HIS 1300 The United States in Global Perspective  | 3    |
| PSC 1387 The U.S. Constitution, Its Interpretation, and the American Political Experience | 3    |
| REL 1310 The Christian Scriptures   | 3    |
| REL 1350 The Christian Heritage   | 3    |
| SOC 1305 Introduction to Sociology  | 3    |
| <i>Communication and Media Literacy</i>   |      |
| CSS 1301 Fundamentals of Public Communication   | 3    |
| or CSS 1302 Speech for Business and Professional Students                                 |      |
| <i>Contemporary Social Issues</i>   |      |
| PSY 1305 Psychological Science: Understanding Human Behavior                              | 3    |
| <i>Fine Arts and Performing Arts (One Course)</i>   |      |
| Select 2-3 hours from the Fine Arts and Performing Arts distribution list.                | 2-3  |
| <i>Foreign Languages and Cultures</i>   |      |
| Select 3-4 hours from the Foreign Languages and Cultures distribution list.               | 3-4  |
| <i>Formal Reasoning</i>   |      |
| MTH 1321 Calculus I   | 3    |
| <i>Research, Writing, &amp; Literature (Two Courses)</i>                                  |      |
| Select 6 hours from the Research, Writing, and Literature distribution list.              | 6    |
| <i>Scientific Method I (with Laboratory Experience)</i>                                   |      |
| BIO 1305 Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory       | 4    |
| <i>Scientific Method II</i>   |      |
| CHE 1301 Basic Principles of Modern Chemistry I and General Chemistry Laboratory I        | 4    |
| <i>Lifetime Fitness</i>   |      |
| PUBH 1145 Health and Human Behavior   | 1    |
| Three LF activity courses   | 3    |
| <b>Major Requirements</b>   |      |
| <i>HHPR Required Courses</i>  |      |
| HED 1350 Dimensions of Health Science Studies   | 3    |
| HP 1420 Human Anatomy   | 4    |
| HP 2306 Anatomical Kinesiology  | 3    |
| HP 2420 Exercise Physiology   | 4    |
| <i>Professional Field Experiences</i>   |      |
| HP 4V79 Internship in Human Performance   | 3    |
| <b>Must have current First Aid and CPR certification to enroll in these courses.</b>      |      |
| <i>Restricted Upper Level Electives</i>   |      |
| Select 9-10 semester hours from the following:  | 9-10 |
| BIO 3429 Comparative Chordate Anatomy   |      |
| BIO 4320 Pathophysiology  |      |
| BIO 4302 General Microbiology and General Microbiology Lab                                |      |
| BIO 4432 General Human Anatomy  |      |
| BUS 3302 Personal Financial Decisions   |      |
| CLA 3381 Medical Terminology  |      |

|  |                |
|--|----------------|
| ECO 4350 Economics of Health and Medical Care  |                |
| ENT 3315 Starting and Managing a Business  |                |
| HED 3300 Clinical Skills Training and Assessment   |                |
| HP/HED 3311 Essentials of Ethics in Healthcare   |                |
| HED 4305 A Biblical Theology of Suffering for Health Care Providers                            |                |
| HP 3330 Research Methods and Design in Exercise Science  |                |
| MGT 3301 Managing People in Organizations  |                |
| MKT 3301 Marketing Concepts  |                |
| PUBH 3320 Stress Management/Mental-Emotional Health  |                |
| PUBH 3325 Maternal and Infant Health   |                |
| PUBH 3351 Epidemiology/Vital Statistics  |                |
| PUBH 4321 Human Sexuality  |                |
| PUBH 4340 Global Health  |                |
| Upper Level Supportive Electives   | 3              |
| <i>Required Courses in Other Fields</i>  |                |
| BIO 1306 Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory | 4              |
| BIO 2306 Genetics  | 3              |
| BIO 3322 Human Physiology and Human Physiology Lab   | 3-4            |
| & BIO 3122 or PUBH 3350 Human Physiology for Allied Health Professionals                       |                |
| CHE 1302 Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           | 4              |
| & CHE 1102   |                |
| CHE 3331 Organic Chemistry I   | 3              |
| CHE 3238 Organic Chemistry Laboratory  | 2              |
| CHE 3332 Organic Chemistry II  | 3              |
| CHE 4341 General Biochemistry  | 3              |
| NUTR 3314 Consumer Nutrition   | 3              |
| PHY 1408 General Physics for Natural and Behavioral Sciences I                                 | 8              |
| & PHY 1409 and General Physics for Natural and Behavioral Sciences II                          |                |
| PUBH 4327 Dying and Death Education  | 3              |
| PSY 3321 Abnormal Psychology   | 3              |
| or PSY 3341 A Survey of Human Development  |                |
| Select one course from the following:  | 3              |
| STA 1380 Elementary Statistics   |                |
| STA 2381 Introductory Statistical Methods  |                |
| <b>Total Hours</b>   | <b>124-128</b> |

## Health Professions Option

| Code   | Title | Hours |
|--|-------|-------|
| <b>Requirements</b>                              |       |       |
| Minimum Requirement                              |       | (124) |
| Residence Requirement – minimum                  |       | (60)  |
| Grade point average – minimum of 3.0 overall.    |       |       |
| <b>Basic Requirements</b>                        |       |       |
| Chapel – two semesters                           |       | 0     |
| ENG 2310 American Literary Cultures              |       | 3     |
| HIS 1300 The United States in Global Perspective |       | 3     |



|  |   |      |
|--|---|------|
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience      | 3    |
| REL 1310   | The Christian Scriptures  | 3    |
| REL 1350   | The Christian Heritage  | 3    |
| <i>Communication and Media Literacy</i>                                      |   |      |
| CSS 1301<br>or CSS 1302  | Fundamentals of Public Communication<br>Speech for Business and Professional Students | 3    |
| <i>Contemporary Social Issues</i>  |   |      |
| PSY 1305   | Psychological Science: Understanding Human Behavior                                   | 3    |
| <i>Fine Arts and Performing Arts (One Course)</i>                            |   |      |
| Select 2-3 hours from the Fine Arts and Performing Arts distribution list.   |   | 2-3  |
| <i>Foreign Languages and Cultures</i>  |   |      |
| Select 6-8 hours from the Foreign Languages and Cultures distribution list.  |   | 6-8  |
| <i>Formal Reasoning</i>  |   |      |
| MTH 1320<br>or MTH 1321  | Precalculus Mathematics<br>Calculus I   | 3    |
| <i>Research, Writing, &amp; Literature (Two Courses)</i>                     |   |      |
| Select 6 hours from the Research, Writing, and Literature distribution list. |   | 6    |
| <i>Scientific Method I (with Laboratory Experience)</i>                      |   |      |
| CHE 1301<br>& CHE 1101   | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             | 4    |
| <i>Scientific Method II</i>  |   |      |
| CHE 1302<br>& CHE 1102   | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II           | 4    |
| <i>Lifetime Fitness</i>  |   |      |
| PUBH 1145  | Health and Human Behavior   | 1    |
| Two LF activity courses  |   | 2    |
| <b>Major Requirements</b>  |   |      |
| <i>HHPR Required Courses</i>   |   |      |
| HED 1350   | Dimensions of Health Science Studies  | 3    |
| HP 1420  | Human Anatomy   | 4    |
| HP 2306  | Anatomical Kinesiology  | 3    |
| HP 2420  | Exercise Physiology   | 4    |
| <i>Restricted Upper Level Electives</i>                                      |   |      |
| Select 9-10 semester hours from the following:                               |   | 9-10 |
| HED 3300   | Clinical Skills Training and Assessment   |      |
| HP/HED 3311  | Essentials of Ethics in Healthcare  |      |
| HED 4305   | A Biblical Theology of Suffering for Health Care Providers                            |      |
| HP 3330  | Research Methods and Design in Exercise Science                                       |      |
| HP 3368  | Adapted Human Performance   |      |
| HP 4450  | Exercise Testing and Interpretation I   |      |
| HP 4V79  | Internship in Human Performance   |      |
| NUTR 3314  | Consumer Nutrition  |      |
| PUBH 3351  | Epidemiology/Vital Statistics   |      |
| PUBH 4320  | Men's Health and Wellness   |      |
| PUBH 4321  | Human Sexuality   |      |
| RLS 4396   | Considerations for Diverse Populations in Leisure Programming                         |      |

*Required Courses in Other Fields*

|   |  |     |
|---|--|-----|
| BIO 1305<br>& BIO 1105                      | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory                                       | 4   |
| BIO 1306<br>& BIO 1106                      | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory                            | 4   |
| BIO 3322<br>& BIO 3122<br>or PUBH 3350      | Human Physiology and Human Physiology Lab<br>Human Physiology for Allied Health Professionals                    | 3-4 |
| 6 hours of upper-level supportive electives |  | 6   |
| PHY 1408<br>& PHY 1409                      | General Physics for Natural and Behavioral Sciences I and General Physics for Natural and Behavioral Sciences II | 8   |
| PUBH 4327<br>& PUBH 4355                    | Dying and Death Education and Human Diseases   | 6   |
| STA 1380<br>or STA 2381                     | Elementary Statistics<br>Introductory Statistical Methods  | 3   |

*Minor*

|   |       |
|---|-------|
| Choose any minor with the exception of BIO or CHE | 18-23 |
|---|-------|

**Total Hours** **124-134**

**Pre-Athletic Training Option**

| Code   | Title   | Hours |
|--|---|-------|
| <b>Requirements</b>  |   |       |
| Minimum Requirement  |   | (124) |
| Residence Requirement – minimum  |   | (60)  |
| Grade point average – minimum of 3.0 CGPA overall.                                 |   |       |
| <b>Basic Requirements</b>  |   |       |
| Chapel – two semesters   |   | 0     |
| ENG 2310   | American Literary Cultures  | 3     |
| HIS 1300   | The United States in Global Perspective   | 3     |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience      | 3     |
| REL 1310   | The Christian Scriptures  | 3     |
| REL 1350   | The Christian Heritage  | 3     |
| <i>Communication and Media Literacy</i>  |   |       |
| CSS 1301<br>or CSS 1302  | Fundamentals of Public Communication<br>Speech for Business and Professional Students | 3     |
| <i>Contemporary Social Issues</i>  |   |       |
| PSY 1305   | Psychological Science: Understanding Human Behavior                                   | 3     |
| <i>Fine Arts and Performing Arts (One Course)</i>                                  |   |       |
| Select one 3 hour course from the Fine Arts and Performing Arts distribution list. |   | 3     |
| <i>Foreign Languages and Cultures</i>  |   |       |
| Select 3-4 hours from the Foreign Languages and Cultures distribution list.        |   | 3-4   |
| <i>Formal Reasoning</i>  |   |       |
| MTH 1320<br>or MTH 1321  | Precalculus Mathematics<br>Calculus I   | 3     |
| <i>Research, Writing, &amp; Literature (Two Courses)</i>                           |   |       |
| ENG 1310   | Writing and Academic Inquiry Seminars   | 3     |

Three upper level credit hours from the Research, Writing, and Literature distribution list 3

*Scientific Method I (with Laboratory Experience)*

BIO 1305 Modern Concepts of Bioscience 4  
& BIO 1105 and Modern Concepts of Bioscience Laboratory

*Scientific Method II*

CHE 1301 Basic Principles of Modern Chemistry I 4  
& CHE 1101 and General Chemistry Laboratory I

*Lifetime Fitness*

PUBH 1145 Health and Human Behavior 1

Three LF activity courses 3

**Major Requirements**

*HHPR Required Courses*

HED 1350 Dimensions of Health Science Studies 3

HP 1420 Human Anatomy 4

HP 2306 Anatomical Kinesiology 3

HP 2341 Prevention and Care of Athletic Injuries 3

or HP 2304 Advanced First Aid

HP 2420 Exercise Physiology 4

HP 3330 Research Methods and Design in Exercise Science 3

*Restricted Electives*

Select 9 semester hours from the following: 9

HED 3300 Clinical Skills Training and Assessment

HP/HED 3311 Essentials of Ethics in Healthcare

HED 4305 A Biblical Theology of Suffering for Health Care Providers

HP 3368 Adapted Human Performance

HP 4352 Exercise and Sport Nutrition

HP 4354 Techniques of Strength Training and Conditioning

HP 4368 Motor Learning and Development

HP 4369 Sports Psychology

HP 4375 Exercise Prescription in Health and Disease

HP 4393 Facilities and Equipment in HHPR

HP 4398 Sports-Related Ethics

PUBH 4320 Men's Health and Wellness

PUBH 4321 Human Sexuality

PUBH 4327 Dying and Death Education

*Required Courses in Other Fields*

BIO 1306 Modern Concepts of Bioscience, continued 4  
& BIO 1106 and Modern Concepts of Bioscience Laboratory

BIO 2401 Human Anatomy and Physiology of Motion 8  
& BIO 2402 and Innervation and Human Anatomy and Physiology of Metabolism and Processing

CLA 3381 Medical Terminology 3

NUTR 3314 Consumer Nutrition 3

MGT 3301 Managing People in Organizations 3

PHY 1408 General Physics for Natural and Behavioral 8  
& PHY 1409 Sciences I and General Physics for Natural and Behavioral Sciences II

STA 1380 Elementary Statistics 3  
or STA 2381 Introductory Statistical Methods

A maximum of 15 credit hours of coursework (MS level courses) will count towards both degrees. These 15 credit hours include the following MS courses which are already embedded in the 36-credit hour MATR degree (see Graduate catalog). 15

**Total Hours** 124-125

A joint 5-year BS/MSAT program in Athletic Training through the Pre-AT track in Health Science Studies is available. Undergraduate students interested in a degree in athletic training need to declare Health Science Studies as their major and follow the curriculum for the Pre-Athletic Training Track. This joint degree program will allow students to obtain two degrees in five years. Undergraduate students can apply for admission into the Master of Athletic Training degree program after the completion of 89 undergraduate hours.

**Requirements**

To obtain a BS and MATR in the joint degree program, a student must complete all hours in both the undergraduate HSS program and the Master of Athletic Training program. Upon acceptance into the program, students will be eligible to take the graduate level courses.

A maximum of 15 credit hours of coursework (MS level courses) will count towards both degrees. These 15 credit hours include the following MS courses which are already embedded in the 36-credit hour MATR degree (see Graduate catalog).

| Code     | Title   | Hours |
|----------|---|-------|
| HP 5301  | Introduction to Patient Care                                  | 3     |
| HP 5302  | Evaluation and Diagnosis in Athletic Training I               | 3     |
| HP 5303  | Therapeutic Interventions I                                   | 3     |
| HP 5379  | Research Methods in Health, Human Performance, and Recreation | 3     |
| STA 5300 | Statistical Methods <sup>1</sup>                              | 3     |

<sup>1</sup> cross-listed as EDP 5334 Statistical Methods

For more information, contact the Program Director of Athletic Training and/or refer to the Graduate catalog.

**Pre-Physician Assistant Option**

| Code  | Title  | Hours |
|---|--|-------|
| <b>Requirements</b>                           |  |       |
| Minimum Requirement                           |  | (124) |
| Residence Requirement – minimum               |  | (60)  |
| Grade point average – minimum of 3.2 overall. |  |       |
| <b>Basic Requirements</b>                     |  |       |
| Chapel – two semesters                        |  | 0     |
| ENG 2310                                      | American Literary Cultures   | 3     |
| HIS 1300                                      | The United States in Global Perspective  | 3     |
| PSC 1387                                      | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |

|  |   |     |
|--|---|-----|
| REL 1310   | The Christian Scriptures  | 3   |
| REL 1350   | The Christian Heritage  | 3   |
| SOC 1305   | Introduction to Sociology   | 3   |
| <i>Communication and Media Literacy</i>  |   |     |
| CSS 1301<br>or CSS 1302  | Fundamentals of Public Communication<br>Speech for Business and Professional Students | 3   |
| <i>Contemporary Social Issues</i>  |   |     |
| PSY 1305   | Psychological Science: Understanding Human Behavior                                   | 3   |
| <i>Fine Arts and Performing Arts (One Course)</i>  |   |     |
| Select 3 hours from the Fine Arts and Performing Arts distribution list.   |   | 3   |
| <i>Foreign Languages and Cultures</i>  |   |     |
| Select 3-4 hours from the Foreign Languages and Cultures distribution list.  |   | 3-4 |
| <i>Formal Reasoning</i>  |   |     |
| MTH 1321   | Calculus I  | 3   |
| <i>Research, Writing, &amp; Literature (Two Courses)</i>   |   |     |
| Select 6 hours from the Research, Writing, and Literature distribution list.   |   | 6   |
| <i>Scientific Method I (with Laboratory Experience)</i>  |   |     |
| BIO 1305<br>& BIO 1105   | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            | 4   |
| <i>Scientific Method II</i>  |   |     |
| CHE 1301<br>& CHE 1101   | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             | 4   |
| Lifetime Fitness   |   | 4   |
| <b>Major Requirements</b>  |   |     |
| <i>HHPR Required Courses</i>   |   |     |
| HED 1350   | Dimensions of Health Science Studies  | 3   |
| HED/HP 3311  | Essentials of Ethics in Healthcare  | 3   |
| <i>Professional Field Experiences</i>  |   |     |
| HP 4V79  | Internship in Human Performance   | 3-6 |
| <b>Student must have departmental approval and current First Aid and CPR certification to enroll in this course.</b> |   |     |
| <i>Restricted Electives</i>  |   |     |
| Select six semester hours from the following:  |   | 6   |
| BIO 4320   | Pathophysiology   |     |
| CHE 4341   | General Biochemistry  |     |
| HED 4305   | A Biblical Theology of Suffering for Health Care Providers                            |     |
| HED 3300   | Clinical Skills Training and Assessment   |     |
| SOC 3305   | Introduction to Gerontology   |     |
| SOC 4353   | Sociology of Medicine   |     |
| SOC 4393   | Sociology of Aging  |     |
| PUBH 3325  | Maternal and Infant Health  |     |
| PUBH 4320  | Men's Health and Wellness   |     |
| PUBH 4321  | Human Sexuality   |     |
| PUBH 4340  | Global Health   |     |
| Upper Level Supportive elective  |   | 3   |
| <i>Required Courses in Other Fields</i>  |   |     |

|                                       |  |   |
|---------------------------------------|--|---|
| BIO 1306<br>& BIO 1106                | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory                            | 4 |
| BIO 2306                              | Genetics   | 3 |
| BIO 3322<br>& BIO 3122                | Human Physiology and Human Physiology Lab  | 4 |
| BIO 4432                              | General Human Anatomy  | 4 |
| BIO 4302<br>& BIO 4102                | General Microbiology and General Microbiology Lab  | 4 |
| CHE 1302<br>& CHE 1102                | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II                                      | 4 |
| CHE 3331                              | Organic Chemistry I  | 3 |
| CHE 3332<br>& CHE 3238                | Organic Chemistry II and Organic Chemistry Laboratory  | 5 |
| CLA 3381                              | Medical Terminology  | 3 |
| NUTR 3314                             | Consumer Nutrition   | 3 |
| PHY 1408<br>& PHY 1409                | General Physics for Natural and Behavioral Sciences I and General Physics for Natural and Behavioral Sciences II | 8 |
| PUBH 1145<br>& PUBH 4327              | Health and Human Behavior and Dying and Death Education  | 4 |
| PSY 3321<br>or PSY 3341               | Abnormal Psychology<br>A Survey of Human Development   | 3 |
| Select one course from the following: |  | 3 |
| STA 1380                              | Elementary Statistics  |   |
| STA 2381                              | Introductory Statistical Methods   |   |

|                    |                |
|--------------------|----------------|
| <b>Total Hours</b> | <b>124-128</b> |
|--------------------|----------------|

## Health, Kinesiology, and Leisure Studies

Dr. Margaret E. Woody, Director

| Code  | Title   | Hours |
|---|---|-------|
| <b>Requirements</b>   |   |       |
| Total for Degree (minimum 124 semester hours)                         |   | (124) |
| Minimum - 36 hrs. advanced total with at least 18 hrs. in residence   |   |       |
| Minimum - 60 hrs. in residence, including the last 30 hrs             |   |       |
| Admission and Graduation Requirements – 2.0 GPA overall and in major. |   |       |
| No course may be taken pass-fail.                                     |   |       |
| <b>Basic Requirements</b>   |   |       |
| ENG 1310  | Writing and Academic Inquiry Seminars   | 3     |
| ENG 2301  | British Literature  | 3     |
| ENG 2310  | American Literary Cultures  | 3     |
| ENG 2306  | World Literature  | 3     |
| History   |   | 6     |
| PSY 1305<br>& SOC 1305  | Psychological Science: Understanding Human Behavior and Introduction to Sociology | 6     |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience  | 3     |

|  |   |     |
|--|---|-----|
| REL 1310<br>& REL 1350   | The Christian Scriptures<br>and The Christian Heritage                                | 6   |
| Mathematics  |   | 3   |
| Select three semester hours from the following:                        |   | 3   |
| CSI 1430   | Introduction to Computer Science I with<br>Laboratory                                 |     |
| CSI 3303<br>or BUS 1305  | Information Technology<br>Software Applications for Personal Productivity             |     |
| HP 1420  | Human Anatomy (and four semester hours<br>laboratory science course)                  | 8   |
| Select 5-6 semester hours of Fine Arts from the following:             |   | 5-6 |
| CSS 1301<br>or CSS 1302  | Fundamentals of Public Communication<br>Speech for Business and Professional Students |     |
| Art, Music, or Theatre Arts  |   |     |
| Select four semesters of Lifetime Fitness including:                   |   | 4   |
| PUBH 1145<br>& LF 1134   | Health and Human Behavior<br>and Fitness Theory and Practice                          |     |
| Chapel – two semesters   |   | 0   |
| <b>Major Requirements</b>  |   |     |
| <b>HHPR</b>  |   |     |
| Select nine semester hours from each of the following three<br>groups: |   | 27  |
| <b>Group 1</b>   |   |     |
| PUBH 2313  | Consumer Health   |     |
| PUBH 3313  | Nutrition   |     |
| PUBH 3314  | Environmental Health  |     |
| PUBH 3317  | Mood-Modifying Substances   |     |
| PUBH 3320  | Stress Management/Mental-Emotional<br>Health  |     |
| PUBH 4321  | Human Sexuality   |     |
| PUBH 4327  | Dying and Death Education   |     |
| Other PUBH courses as approved by program director                     |   |     |
| <b>Group 2</b>   |   |     |
| HP 2304  | Advanced First Aid  |     |
| HP 2306  | Anatomical Kinesiology  |     |
| HP 2420  | Exercise Physiology   |     |
| HP 3368  | Adapted Human Performance   |     |
| HP 3381  | Fundamentals of Human Performance   |     |
| HP 3382  | Risk Management in HHPR   |     |
| HP 4350  |   |     |
| HP 4352  | Exercise and Sport Nutrition  |     |
| HP 4354  | Techniques of Strength Training and<br>Conditioning                                   |     |
| HP 4363  | Philosophy, Principles, and Administration<br>of Human Performance                    |     |
| HP 4368  | Motor Learning and Development  |     |
| HP 4369  | Sports Psychology   |     |
| HP 4372  | Sociology of Sport  |     |
| HP 4393  | Facilities and Equipment in HHPR  |     |
| Other HP courses as approved by program director                       |   |     |
| <b>Group 3</b>   |   |     |
| RLS 1396   | Introduction to Leisure Services  |     |
| RLS 2301   | Camp Counseling and Administration  |     |

|  |  |                |
|--|--|----------------|
| RLS 2388   | Leisure and Lifestyle Well-Being                                 |                |
| RLS 2389   | Leadership and Facilitation in Leisure<br>Services               |                |
| RLS 3301   | Theory & Practice of Outdoor Adventure<br>Programs               |                |
| RLS 3302   | Program Planning in Leisure Services                             |                |
| RLS 3382   | Risk Management in HHPR  |                |
| RLS 4301   | Outdoor Education  |                |
| RLS 4393   | Facilities and Equipment in HHPR                                 |                |
| RLS 4395   | Principles of Church Recreation                                  |                |
| RLS 4396   | Considerations for Diverse Populations in<br>Leisure Programming |                |
| Other RLS courses as approved by program director                                    |  |                |
| <b>HHPR Electives</b>  |  |                |
| Select nine semester hours from the following:                                       |  | 9              |
| Selected from any professional courses within the HHPR<br>Department.                |  |                |
| HP 1202  | First Aid  |                |
| HP 1233  | Red Cross Water Safety   |                |
| HP 1236  | Dance Choreography   |                |
| RLS 1234   | Canoeing Instructor Certification                                |                |
| RLS 1235   | Sailing & Canoeing Instructor                                    |                |
| Any "3000" level sports skill series course  |  |                |
| "1000" level one-hour activity courses may not be taken to meet<br>this requirement. |  |                |
| <b>General Electives</b>   |  |                |
| To be taken from any academic unit in the University, excluding<br>HHPR.             |  | 32             |
| <b>Total Hours</b>   |  | <b>124-125</b> |

## Intrauniversity Dance Minor

The Intrauniversity Dance Minor is available to majors in all disciplines, and is designed for students with previous dance training who wish to continue the pursuit of their interests within the context of their university studies. Students will study intermediate/advanced technique/theory, dance history/pedagogy, and the creative process of performance production as well as complete a dance practicum. This minor supports and enriches opportunities in music/music education, theatre arts choreography, public/private teaching professions, various professional performance opportunities, and sponsorship of drill team/cheerleader organizations.

## Degree Plan

| Code                                    | Title  | Hours |
|---|--|-------|
| <b>Required Courses</b>                 |  |       |
| Nineteen to twenty-two hours including: |  |       |
| HP 1420                                 | Human Anatomy (departmental approval<br>required)                  | 4     |
| HP 3302                                 | Pedagogy of Dance <sup>1</sup>                                     | 3     |
| HP 4301                                 | Choreography and Production <sup>2</sup>                           | 3     |
| HP 4V79                                 | Internship in Human Performance (may be<br>taken for 3 or 4 hours) | 3-4   |
| <b>Restricted Electives</b>             |  |       |
| Select two courses from the following:  |  | 2     |

|  |                         |              |
|--|-------------------------|--------------|
| LF 1147                                      | Beginning Jazz Dance    |              |
| LF 1117                                      | Beginning Ballet        |              |
| LF 1130                                      | Social Dance            |              |
| <b>Technique Courses</b>                     |                         |              |
| Select one from each of the following areas: |                         | 4-6          |
| <b>Area 1</b>                                |                         |              |
| THEA 2299                                    | Jazz I                  |              |
| or THEA 3297                                 | Tap I                   |              |
| <b>Area 2</b>                                |                         |              |
| LF 1148                                      | Intermediate Jazz Dance |              |
| or THEA 4297                                 | Jazz II                 |              |
| <b>Area 3</b>                                |                         |              |
| THEA 3298                                    | Ballet II               |              |
| or HP 1118                                   |                         |              |
| or HP 1119                                   |                         |              |
| <b>Total Hours</b>                           |                         | <b>19-22</b> |

<sup>1</sup> Prerequisites LF 1148 Intermediate Jazz Dance and LF 1118 Intermediate Ballet or THEA 4298 Tap II

<sup>2</sup> Prerequisites LF 1148 Intermediate Jazz Dance and LF 1118 Intermediate Ballet

## Lifetime Fitness

Mary Ann Jennings, Coordinator

### General Policy

The purpose of the Division of Lifetime Fitness for nonmajor students is to provide health education, physical fitness education, and recreation education activities that will provide mental, physical, social, and leisure time preparation for lifetime fitness for all students.

Lifetime Fitness is an elective program consisting of lifetime fitness/sport/recreation activity labs. Courses carry a credit value of one semester hour, thus serving the requirement of a semester-by-semester experience at the University. Multi-credit activity labs from other universities will only transfer one semester of the University requirement.

Courses in Health, Human Performance, or Recreation, as well as courses elsewhere, at the "2000" level, "3000" level, and "4000" level may not be applied in any way to this University requirement. (See the following section Course Offerings for a listing of the LF 1104 Adaptive Lifetime Fitness-LF 1199 Advanced Relaxation/Fitness courses that apply.) A maximum of four Lifetime Fitness courses may be counted toward a degree.

A student may not repeat a numbered course, except LF 1104 Adaptive Lifetime Fitness, unless a grade of "D" or "F" was earned in that course. A student may not take a course at a lower level after passing the subject at a higher level (intermediate or advanced).

Variations from the University requirements for Lifetime Fitness activity courses exist. In the instance where the requirement may be waived, the waiver allows the hours associated with the LF requirement to be fulfilled by taking other courses. (The waiver does not reduce in any way total hours required for graduation). It is the responsibility of each student to ascertain from his or her Degree Plan Office/Dean's Office if any of the following variations apply:

**Age:** This requirement **may** be waived for persons over 25 years of age at the time of matriculation to Baylor. If a person reaches age 25 subsequent to matriculation, the requirement stipulated in the degree plan must be completed. (The waiver allows the hours associated with the LF requirement to be fulfilled by taking other courses. The waiver does not reduce in any way total hours required for graduation.)

**Aerospace Studies and Military Science:** Students in Aerospace Studies and Military Science who are required to take the respective Leadership Labs garner one credit hour per semester for a maximum of four semesters credit.

**Band:** One hour of credit will be granted each fall semester for those enrolled in marching band. The maximum number of credits vary by College/School.

**Athletes:** All students actively on a NCAA athletic roster may receive two semesters of LF credit by enrolling and completing LF 1128 Varsity Sports Conditioning I and LF 1129 Varsity Sports Conditioning II. The remaining credit, as specified by degree, must be taken from the available courses.

**Military Veterans:** Students who are military veterans will be exempted from one semester of activity for each 135 days of active duty. Students must submit a copy of DD Form 214, or similar military documentation, to the Program Director to be granted this exemption. (The waiver allows the hours associated with the LF requirement to be fulfilled by taking other courses. The waiver does not reduce in any way the total hours required for graduation.)

**Adaptive Lifetime Fitness:** No student with a disability is excused from lifetime fitness classes. Prior to the beginning of each semester, students with disabilities need to contact Dr. Mary Ann Jennings (ext. 4025) and must present a medical statement from a physician outlining the nature of the disability and recommendations for activity. Dr. Jennings will forward the request to Dr. Margaret Woody, the coordinator of LF 1104 Adaptive Lifetime Fitness. An individualized rehabilitation program and academic-oriented program will be provided, as outlined and approved by the attending physician.

### Course Offerings

Listed below are the health and Lifetime Fitness activity classes that apply. Each course counts toward one semester of the University requirement. All classes are graded in accordance with established University policy. Students may elect to take any course on a pass/fail basis, but this decision must be made at the time of registration or during the drop-add period. All business students must take Lifetime Fitness activity courses on a graded basis. Elementary education majors must register for PUBH 1145 Health and Human Behavior on a graded basis.

**Note: Courses in Health, Human Performance, or Recreation at the "2000" level, "3000" level, and "4000" level may not be applied in any way to this University requirement.**

A description of courses and levels are as follows:

| Code    | Title  | Hours |
|---------|--|-------|
| LF 1104 | Adaptive Lifetime Fitness (Departmental approval required) | 1     |
| LF 1106 | Beginning Aerobics   | 1     |
| LF 1107 | Intermediate Aerobics                                      | 1     |
| LF 1109 | Swimmercize Aerobics                                       | 1     |



|         |   |   |
|---------|---|---|
| LF 1110 | Aerobic Walking   | 1 |
| LF 1111 | Aerobic Running   | 1 |
| LF 1112 | Backpacking and Camping   | 1 |
| LF 1114 | Beginning Badminton   | 1 |
| LF 1115 | Intermediate Badminton  | 1 |
| LF 1117 | Beginning Ballet  | 1 |
| LF 1118 | Intermediate Ballet   | 1 |
| LF 1119 | Advanced Ballet (Departmental approval required)                | 1 |
| LF 1121 | Beginning Bicycling   | 1 |
| LF 1122 | Intermediate Bicycling  | 1 |
| LF 1123 | Beginning Mountain Biking                                       | 1 |
| LF 1124 | Beginning Bowling   | 1 |
| LF 1125 | Intermediate Bowling  | 1 |
| LF 1128 | Varsity Sports Conditioning I (Departmental approval required)  | 1 |
| LF 1129 | Varsity Sports Conditioning II (Departmental approval required) | 1 |
| LF 1130 | Social Dance  | 1 |
| LF 1134 | Fitness Theory and Practice                                     | 1 |
| LF 1138 | Beginning Golf  | 1 |
| LF 1139 | Intermediate Golf (Departmental approval required)              | 1 |
| LF 1140 | Advanced Golf (Departmental approval required)                  | 1 |
| LF 1147 | Beginning Jazz Dance  | 1 |
| LF 1148 | Intermediate Jazz Dance   | 1 |
| LF 1151 | Beginning Martial Arts  | 1 |
| LF 1152 | Intermediate Martial Arts                                       | 1 |
| LF 1153 | Advanced Martial Arts (Departmental approval required)          | 4 |
| LF 1156 | Beginning Racquetball   | 1 |
| LF 1157 | Intermediate Racquetball  | 1 |
| LF 1158 | Paddle Sports   | 1 |
| LF 1159 | Sailing and Canoeing  | 1 |
| LF 1160 | Beginning Rock Climbing   | 1 |
| LF 1161 | Intermediate Rock Climbing                                      | 1 |
| LF 1163 | Beginning Self Defense  | 1 |
| LF 1168 | Soccer  | 1 |
| LF 1169 | Intermediate Self Defense                                       | 1 |
| LF 1170 | Advanced Self Defense   | 1 |
| LF 1171 | Softball  | 1 |
| LF 1175 | Beginning Swimming  | 1 |
| LF 1176 | Intermediate Swimming   | 1 |
| LF 1177 | Advanced Swimming   | 1 |
| LF 1178 | Lifeguard Training (Departmental approval required)             | 1 |
| LF 1179 | Beginning Tai Chi   | 1 |
| LF 1181 | Beginning Tennis  | 1 |
| LF 1182 | Intermediate Tennis   | 1 |
| LF 1183 | Advanced Tennis   | 1 |
| LF 1189 | Volleyball  | 1 |
| LF 1192 | Weight Control  | 1 |

|         |  |   |
|---------|--|---|
| LF 1194 | Beginning Weight Training  | 1 |
| LF 1195 | Intermediate Weight Training                                     | 1 |
| LF 1197 | Beginning Relaxation/Fitness                                     | 1 |
| LF 1198 | Intermediate Relaxation/Fitness (Departmental approval required) | 1 |
| LF 1199 | Advanced Relaxation/Fitness (Departmental approval required)     | 1 |

PUBH 1145 Health and Human Behavior may be substituted for any of the activities listed on the previous page, except for students who have completed BIC 1112 Examined Life.

**Note:** Lab Fees are required on courses numbered 1101-1199.

**Note:** Except for students in the College of Arts & Sciences, the following course may be substituted for one of the activities listed above.

PUBH 1145 Health and Human Behavior

**Otherwise, courses in Health, Human Performance, and Recreation carrying the prefix HP, HED, PUBH, and RLS may NOT be applied in any way to this University requirement.**

**Note:** Courses in Health, Human Performance, or Recreation at the "2000" level, "3000" level, and "4000" level, as well as courses elsewhere, may not be applied in any way to this University requirement.

## Outdoor Education and Leadership Minor

The Recreation and Leisure Services Program offers a 19-credit hour minor in Outdoor Education and Leadership. This minor is designed for students with career interests in outdoor leadership within a variety of settings. This minor is also designed for students interested in personal and/or leadership development that is transferable to any field. Courses and field experiences are intended to provide an introductory and foundational set of skills and abilities required of outdoor leaders who serve in assistant or entry-level roles in the delivery and oversight of outdoor education and adventures experiences.

## Requirements for a Minor in Outdoor Education and Leadership

| Code   | Title   | Hours |
|--|---|-------|
| <b>Required Courses</b>                            |   |       |
| Nineteen semester hours including the following:   |   |       |
| <i>Foundations</i>                                 |   |       |
| RLS 3301   | Theory & Practice of Outdoor Adventure Programs                   | 3     |
| RLS 4301   | Outdoor Education   | 3     |
| RLS 4331   | Meanings, Culture, and Philosophy of American Landscapes          | 3     |
| <i>Certifications/Leadership</i>                   |   |       |
| Select ten semester hours including the following: |   | 10    |
| RLS 2201   | Adventure Recreation Leadership and Challenge Course Facilitation |       |
| RLS 2202   | Climbing Wall Instructor Certification Course                     |       |
| RLS 3303   | Outdoor Adventure Certifications                                  |       |

|                    |  |
|--------------------|--|
| RLS 4V13           | Recreation & Leisure Services Field School |
| RLS 3396           | Field Laboratory in Leisure Services       |
| RLS 4V94           | Internship in Leisure Services             |
| <b>Total Hours</b> | <b>19</b>                                  |

## Physical Education (All-Level)

Dr. Margaret Woody, Director

### Applying for a Program Leading to Certification

*Admission to Baylor and declaring a major or minor in education does not enroll a student in a School of Education program leading to initial certification as a classroom teacher in the State of Texas.* Students who plan to earn a teaching certificate must meet minimum state of Texas and Baylor University standards and apply separately for admission to candidacy in the appropriate Baylor School of Education program. More information and required documents are available at <http://www1.baylor.edu/tca> (<http://www1.baylor.edu/tca/>). The application materials should be filled out and brought to the Office of Professional Practice (MMSCI 116) the semester prior to entering the junior level Teaching Associate (TA) experience. Acceptance and retention is contingent upon meeting all requirements for the program.

### Requirements for Retention in Teacher Education

1. Completion of TED 1312 Introduction to Teaching I by all candidates is required.
2. Grade point averages (calculation of grade point average is based on work attempted at Baylor University only) required to remain in all certification programs are as follows:  
2.75 Overall  
2.75 Academic Major  
2.75 TED courses
3. Grade point averages for retention in the School of Education and admission to Internship will include calculations of incomplete courses in appropriate areas. An incomplete will count as the equivalent of a failing course in grade point calculations until the final grade is available.
4. Candidates must maintain satisfactory progress (rating equal to or greater than 4 on a 9 point-scale) in development of an electronic portfolio.
5. In order to enroll in the Teaching Associate field experience courses, a candidate must attain junior status (60 hours) and complete 12 semester hours in the candidate's teaching field. The State of Texas requires candidates seeking certification in 6-12 Physical Science, 7-12 Life Science, 4-8 and 7-12 Science, and 4-8 and 7-12 Science and Mathematics must complete 15 semester hours in their teaching field prior to admittance.
6. In order to enroll in the Intern field experience courses, a candidate must successfully complete the Teaching Associate year and complete 18 semester hours in the candidate's teaching field. In addition, a candidate must earn a 3.0 each semester in each Teaching Associate and/or Practicum courses.
7. Candidates who do not successfully complete the coursework and/or field experiences required for educator certification may be advised to substitute other coursework to complete a degree. In such cases the

candidates will sign a form relinquishing the right to seek certification through Baylor University.

8. Any TED course may be repeated only one time for students to continue in any School of Education major. Any student wanting to retake a TED class more than one time will need to appeal to the Dean's Office.

## Tests for Admission and Certification

### Texas Higher Education Assessment (THEA)

Acceptable scores on the Texas Higher Education Assessment or qualification by exemption is required before admission into a state approved teacher education program. The passing score on the reading and mathematics parts must be 230 or higher and the writing part 220 or higher.

Exemption from the THEA Test:

- Texas Assessment of Knowledge and Skills (TAKS):** For a period of five (5) years from the date of testing, a student who is tested and performs on the Eleventh grade exit-level Texas Assessment of Knowledge and Skills (TAKS) with a minimum scale score of 2200 on the math section and/or a minimum scale score of 2200 on the English Language Arts section with a writing subsection score of at least 3, shall be exempt from the assessment required under this title for those corresponding sections.
- State of Texas Assessments of Academic Readiness (STAAR) End-of course (EOC):** For a period of five (5) years from the date of testing, a student who is tested and performs with a minimum score of Level 2 on the English III shall be exempt from both reading and writing, and a minimum score of Level 2 on the Algebra II EOC shall be exempt from the mathematics section.
- Scholastic Assessment Test (SAT):** For a period of five (5) years from the date of testing, a student who is tested and scores a combined critical reading (formerly "verbal") and mathematics score of 1070 with a minimum of 500 on the verbal test and/or the mathematics test shall be exempt for those corresponding sections.
- American College Test (ACT):** For a period of five (5) years from the date of testing, a student who is tested and scores a composite score of 23, with a minimum of 19 on the English test and/or the mathematics test shall be exempt for those corresponding sections.

**Note:** To approve the exemption, Baylor University needs appropriate documentation:

- For SAT or ACT, Baylor University must receive official scores sent directly from the testing company. The correct college code must be entered on the test at the time of test registration.
- For TAKS, scores are printed on a label affixed to official high school transcripts. Transcripts must be sent to Baylor University.

### TOEFL Requirement

The TOEFL is required for out of country students that graduate from high schools where the language of instruction is not English. The candidates must take all three portions of the TOEFL and score a minimum of 26 on the speaking section (no overall score required).

### Human Performance – Secondary School Teaching Field

Minimum Requirement -3 9 hrs.

## 5 Year Joint BSEd/MS in Sport Pedagogy

The BSEd/MS joint program is a 5-year program of study. The joint degree program will allow qualified students in the All-Level Physical Education (ALPE) program the opportunity to obtain a Bachelor of Science in Education (BSEd, 124 credit hours) and a Master of Science in Sport Pedagogy (MS, 36 credit hours) and Texas Teaching Certification in five years of full-time study. All requirements for both the BSEd and MS must be met and the degrees awarded concurrently.

### Admission

Undergraduate students in the ALPE program can apply for the BSEd/MS joint program at the end of their junior year. Applicants must be ALPE majors and have a GPA of 2.75 or higher in both total hours and in the major prior to applying for the program and have satisfactorily completed additional teacher certification eFolio requirements prior to applying for the teacher certification. Applicants must obtain approval of the undergraduate ALPE advisor and program director, approval from the graduate Sport Pedagogy director, and they will be admitted with provisional status until they have completed at least one semester of graduate work.

At the end of the junior year, candidates with 90 or more undergraduate hours and a GPA of 3.0 or better may continue the joint degree program. Those who do not have a 3.0 or better and those who choose to withdraw from the joint degree program will be allowed to finish the BSEd in ALPE if they meet undergraduate requirements for teacher certification. The BSEd degree will be awarded with the MS upon completion of all degree requirements.

### Requirements/Qualifications

To obtain a BSEd/MS in the joint degree program, a student must complete all hours in both the undergraduate ALPE program and the Master of Science in Sport Pedagogy program. ALPE candidates with 90 undergraduate hours and a 3.0 GPA will be eligible to apply for the MS in Sport Pedagogy. Upon acceptance into the MS Sport Pedagogy program, students will be eligible to take the graduate level courses.

A maximum of 15 credit hours of coursework (MS level courses) will count towards both degrees. These 15 credit hours include the following MS courses, which are already embedded in the 36 credit hour MS degree (see undergraduate catalog):

| Code               | Title                                | Hours     |
|--------------------|--------------------------------------|-----------|
| HP 5V90            | Internship                           | 6         |
| HP 5354            | Methods of Strength and Conditioning | 3         |
| HP 5335            | Sport Pedagogy                       | 3         |
| HP 5384            | Biomechanics of Human Movement       | 3         |
| <b>Total Hours</b> |                                      | <b>15</b> |

Joint degree students must take an additional 9 credit hours of undergraduate elective coursework to reach the required 124 undergraduate hours. These 9 elective credit hours in combination with the 15 hours of above count for TED 4670 Internship Physical Education Part I, TED 4671 Internship Physical Education Part II, TED 4672 Internship Physical Education Part III, and TED 4673 Internship Physical Education Part IV (undergraduate PE internship coursework).

## Bachelor of Science in Education-with All-Level Physical Education Teacher Certification

| Code  | Title  | Hours |
|---|--|-------|
| <b>Degree Requirements</b>  |  |       |
| Minimum Requirements  |  | (124) |
| Advanced Hours – minimum  |  | (36)  |
| Professional Education – minimum  |  | (36)  |
| Academic Major – minimum  |  | (36)  |
| <b>Residence Requirement – minimum</b>                                      |  |       |
| Degree Minimum  |  | (60)  |
| Chapel – two semesters  |  | 0     |
| <b>Grade Point Average – minimum</b>  |  |       |
| Grade points are earned on residence work at Baylor only.                   |  |       |
| Minimum required for retention in major: 2.75 average in major and overall. |  |       |
| <b>General Studies (Non-BIC)</b>  |  |       |
| ENG 1310<br>& ENG 2310  | Writing and Academic Inquiry Seminars and American Literary Cultures               | 6     |
| REL 1310<br>& REL 1350  | The Christian Scriptures and The Christian Heritage                                | 6     |
| <i>Language</i>   |  |       |
| Second semester proficiency in a modern or classical language.              |  | 6-8   |
| MTH 1301<br>& STA 1380  | Ideas in Mathematics and Elementary Statistics                                     | 6     |
| <i>Social Science</i>   |  |       |
| HIS 1365  | United States History to 1877  | 3     |
| Fine Arts: ART, MUS, THEA   |  | 2-3   |
| TED 3380<br>& TED 3180  | Social Issues in Education and Social Issues in Education Lab (taken concurrently) | 4     |
| LF 1130   | Social Dance   | 1     |
| HP 2102   | Fitness Concepts and Testing Procedures  | 1     |
| PUBH 1145   | Health and Human Behavior  | 1     |
| One other LF class  |  | 1     |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience   | 3     |
| Chapel – two semesters  |  | 0     |
| <i>Professional Studies</i>   |  |       |
| TED 1312<br>& HP 3346   | Introduction to Teaching I and Elementary School Physical Education                | 6     |
| <b>Academic Major</b>   |  |       |
| HP 1420   | Human Anatomy  | 4     |
| HP 2306<br>or HP 2307   | Anatomical Kinesiology<br>Biomechanics   | 3     |
| HP 2341   | Prevention and Care of Athletic Injuries   | 3     |
| HP 2420   | Exercise Physiology  | 4     |
| HP 3136   | Innovative Games and Adventure Activities  | 1     |
| HP 3300   | Pedagogy of Team Sports  | 3     |
| HP 3301   | Pedagogy of Individual Sports  | 3     |
| HP 3368   | Adapted Human Performance  | 3     |
| HP 3381   | Fundamentals of Human Performance  | 3     |

|   |  |                |
|---|--|----------------|
| HP 4368   | Motor Learning and Development               | 3              |
| HP 4369   | Sports Psychology                            | 3              |
| HP 4370   | Successful Coaching                          | 3              |
| <i>Teaching Associate</i>   |  |                |
| TED 3670  | Teaching Associate Physical Education Part I | 6              |
| <i>Internship</i>   |  |                |
| TED 4670  | Internship Physical Education Part I         | 6              |
| TED 4671  | Internship Physical Education Part II        | 6              |
| TED 4672  | Internship Physical Education Part III       | 6              |
| TED 4673  | Internship Physical Education Part IV        | 6              |
| <i>Required Electives</i>   |  |                |
| Required electives must be approved by Human Performance Director or representative of HP Director. |  | 12             |
| <b>Total Hours</b>  |  | <b>124-127</b> |

## Recreation and Leisure Services

Dr. Dale Connally, Director

| Code   | Title  | Hours |
|--|--|-------|
| <b>Requirements</b>  |  |       |
| Degree Requirements  |  | (124) |
| Minimum - 36 hours advanced total with at least 18 hrs. in residence |  |       |
| Minimum - 60 hours in residence including the last 30 hrs.           |  |       |
| No course may be taken pass-fail.                                    |  |       |
| <b>Basic Requirements</b>  |  |       |
| ENG 1310   | Writing and Academic Inquiry Seminars  | 3     |
| ENG 2301   | British Literature   | 3     |
| ENG 2310   | American Literary Cultures   | 3     |
| ENG 2306   | World Literature   | 3     |
| Select two courses from the following:                               |  | 6     |
| HIS 1305   | World History to 1500  |       |
| HIS 1306   |  |       |
| HIS 1307   | World History since 1500   |       |
| HIS 1365   | United States History to 1877  |       |
| HIS 1366   | United States History since 1877   |       |
| SOC 1305   | Introduction to Sociology  | 3     |
| or SOC 1306  | Social Problems  |       |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| REL 1310 & REL 1350  | The Christian Scriptures and The Christian Heritage                              | 6     |
| MTH 1301   | Ideas in Mathematics   | 3     |
| or MTH 1315  | Patterns, Relationships, and Number Concepts                                     |       |
| CSI 3303   | Information Technology   | 3     |
| or BUS 1305  | Software Applications for Personal Productivity                                  |       |
| CSS 1301   | Fundamentals of Public Communication   | 3     |
| or CSS 1302  | Speech for Business and Professional Students                                    |       |
| Laboratory Science   |  | 8     |
| Select one course from the following:                                |  | 2-3   |
| THEA 1306  | Introduction to Theatre  |       |
| ARTH 1300  | Introduction to Art (for non-art majors only)                                    |       |

|  |   |       |
|--|---|-------|
| MUS 1220                                   | Introduction to Music   |       |
| CFS 3356                                   | Theories of Family Development                                    | 3     |
| or PSY 3341                                | A Survey of Human Development                                     |       |
| PUBH 1145                                  | Health and Human Behavior   | 1     |
| Three activity Lifetime Fitness classes    |   | 3     |
| Chapel – two semesters                     |   | 0     |
| <b>RLS Required Courses</b>                |   |       |
| RLS 1396                                   | Introduction to Leisure Services                                  | 3     |
| RLS 2388                                   | Leisure and Lifestyle Well-Being                                  | 3     |
| RLS 2389                                   | Leadership and Facilitation in Leisure Services                   | 3     |
| RLS 3302                                   | Program Planning in Leisure Services                              | 3     |
| RLS 3382                                   | Risk Management in HHPR   | 3     |
| RLS 3396                                   | Field Laboratory in Leisure Services                              | 3     |
| RLS 4391                                   | Leisure Service Management  | 3     |
| RLS 4392                                   | Professional Issues and Practices in Leisure Services             | 3     |
| RLS 4393                                   | Facilities and Equipment in HHPR                                  | 3     |
| RLS 4396                                   | Considerations for Diverse Populations in Leisure Programming     | 3     |
| RLS 4V94                                   | Internship in Leisure Services                                    | 9     |
| <i>HP Sport Skills Series</i>              |   |       |
| HP 3300                                    | Pedagogy of Team Sports   | 3     |
| or HP 3301                                 | Pedagogy of Individual Sports                                     |       |
| <i>Recreation Certification Courses</i>    |   |       |
| RLS/HP 1202                                | First Aid   | 2     |
| or RLS 2202                                | Climbing Wall Instructor Certification Course                     |       |
| Select one course from the following:      |   | 2     |
| RLS 1235                                   | Sailing & Canoeing Instructor (spring only)                       |       |
| RLS 2201                                   | Adventure Recreation Leadership and Challenge Course Facilitation |       |
| <b>Restricted Electives for Each Track</b> |   |       |
| Select one track from the following:       |   | 12-13 |
| <i>Recreation Ministry Track</i>           |   |       |
| REL 2480                                   | Introduction to Ministry  |       |
| RLS 4395                                   | Principles of Church Recreation                                   |       |
| RLS 3301                                   | Theory & Practice of Outdoor Adventure Programs                   |       |
| or RLS 2301                                | Camp Counseling and Administration                                |       |
| Select one of the following:               |   |       |
| REL 4396                                   | Religion and Sport  |       |
| or REL 4398                                | Sports-Related Ethics   |       |
| CRED 7330                                  | Introduction to Family Ministry                                   |       |
| <i>Outdoor Recreation Track</i>            |   |       |
| RLS 2301                                   | Camp Counseling and Administration                                |       |
| RLS 3301                                   | Theory & Practice of Outdoor Adventure Programs                   |       |
| RLS 4301                                   | Outdoor Education   |       |
| RLS 4331                                   | Meanings, Culture, and Philosophy of American Landscapes          |       |
| <i>Community Sport Track</i>               |   |       |
| PUBH 3313                                  | Nutrition   |       |
| MKT 3340                                   | Nonprofit Marketing   |       |

|            |                       |
|------------|-----------------------|
| HP 4369    | Sports Psychology     |
| or HP 4372 | Sociology of Sport    |
| HP 4370    | Successful Coaching   |
| HP 4396    | Religion and Sport    |
| HP 4398    | Sports-Related Ethics |

**Other Electives**

Other Electives needed to meet 124 minimum 10-12

**No Lifetime Fitness Activity Classes**

Choose from the following areas: accounting, art, biology, child and family studies, earth science, environmental studies, geology, health, recreation and leisure services, management, marketing, psychology, religion, social work, sociology, special education; other areas approved by advisor.

**Total Hours** 124-128

## Recreation and Leisure Services - Secondary Major

### Requirements for a Secondary Major in Recreation and Leisure Services

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

**Required Courses**

Thirty semester hours including the following:

**RLS Required Courses**

|          |   |   |
|----------|---|---|
| RLS 1396 | Introduction to Leisure Services                              | 3 |
| RLS 3301 | Theory & Practice of Outdoor Adventure Programs               | 3 |
| RLS 3302 | Program Planning in Leisure Services                          | 3 |
| RLS 3396 | Field Laboratory in Leisure Services                          | 3 |
| RLS 4391 | Leisure Service Management                                    | 3 |
| RLS 4396 | Considerations for Diverse Populations in Leisure Programming | 3 |

Select two courses from the following: 6

|          |   |
|----------|---|
| RLS 2388 | Leisure and Lifestyle Well-Being                      |
| RLS 2389 | Leadership and Facilitation in Leisure Services       |
| RLS 3382 | Risk Management in HHPR                               |
| RLS 4392 | Professional Issues and Practices in Leisure Services |
| RLS 4393 | Facilities and Equipment in HHPR                      |

**Restricted Electives for Each Track**

Select one of the following tracks: 6

**Outdoor Recreation Track**

|                        |  |
|------------------------|--|
| RLS 4301<br>& RLS 4331 | Outdoor Education<br>and Meanings, Culture, and Philosophy of<br>American Landscapes |
|------------------------|--|

**Recreation Ministry Track**

|                        |  |
|------------------------|--|
| HP 4396<br>or REL 2480 | Religion and Sport<br>Introduction to Ministry |
| RLS 4395               | Principles of Church Recreation                |

**Total Hours** 30

A minimum of 27 of the 30 required hours for the secondary major must be completed in residence.

## Recreation Ministry Minor

(See Intrauniversity Programs (p. 253) College of Arts &amp; Sciences)

## Human Sciences and Design

As one of the four units in the Robbins College of Health and Human Sciences, the Department of Human Sciences and Design offers six majors which seek to improve the quality of life of individuals, families, and communities. As of Summer 2015, departmental courses will be offered under five prefixes: ADM (Apparel Design/Merchandising), CFS (Child and Family Studies), HSD (cross-disciplinary Human Sciences and Design), ID (Interior Design), and NUTR (Nutrition Sciences). For Human Sciences and Design courses (ADM, CFS, HSD, ID, or NUTR) that are pre-requisites for other courses, students must receive a grade of C or better to advance to the next course. Any (ADM, CFS, HSD, ID, or NUTR) course may be repeated only two times for students to continue in the Human Sciences and Design major or minor.

- Apparel Design and Product Development (p. 393)
- Apparel Merchandising (p. 394)
- Apparel Merchandising Minor (p. 395)
- Child and Family Studies (p. 395)
- Child and Family Studies Minor (p. 401)
- Family and Consumer Sciences (p. 401)
- Interior Design (p. 402)
- Nutrition Sciences (p. 403)
- Nutrition Sciences Minor (p. 406)

## Apparel Design and Merchandising (ADM)

**ADM 1241 Apparel Aesthetics (2)**

Pre-requisite(s): For apparel merchandising and apparel design majors Study of the aesthetic elements and principles of apparel design and visual merchandising, including value, color, light, line, shape, mass, texture, space, complexity, order, and the Gestalt theory as it relates to design.

**ADM 1300 Fashion Theory and Consumption Behavior (3)**

Contemporary apparel consumption behavior from social and psychological perspectives.

**ADM 1311 Apparel Design Construction (3)**

Creative design studio introducing professional construction techniques, product development, and techniques of sketching and creating ready-to-wear garments.

**ADM 1321 Apparel Design & Development (3)**

Pre-requisite(s): A minimum grade of C in ADM 1311

Apparel construction techniques including knitwear, basic pattern design, creative design including fabric manipulation, felting, machine embroidery, and various other embellishment processes used to address the aesthetic requirements of the end consumer.

**ADM 1391 Introduction to the Apparel Industry (3)**

Comprehensive overview of the apparel industry, including trend research, design, product development, merchandising, sourcing, manufacturing, distribution, retail management, and career opportunities.



**ADM 2310 Textile Science (3)**

Pre-requisite(s): Either CHE 1300 and 1100, CHE 1301 and 1101, or CHE 1405

The structure and performance of fabrics; examination of fibers, yarns, fabrication finishes and the processes used to enhance the aesthetics and functional aspects of the fabrics.

**ADM 2311 Fashion Illustration (3)**

Pre-requisite(s): A minimum grade of C in ADM 1241 or concurrent enrollment

Technical sketching and fashion illustration techniques using a variety of media. (0–6)

**ADM 2371 Apparel Quality Analysis (3)**

Study of garment construction factors which affect the wholesale cost, specification buying, and merchandise selection category.

**ADM 2373 Intermediate Apparel Studio (3)**

Pre-requisite(s): A minimum grade of C in ADM 1321

Apparel design using the principles of flat pattern with emphasis on the design, fit, alteration, and construction of fashionable wearing apparel.

**ADM 3301 Contemporary Tailoring and Design (3)**

Pre-requisite(s): A minimum grade of C in ADM 1241 and 2373

Provides industry methods for design, flat pattern, and mass production of tailored garments with a strong emphasis on wool fabrics.

**ADM 3340 Digital Retailing Strategies (3)**

Pre-requisite(s): ADM 1391 and MKT 3301 or MKT 3305 with a minimum grade of C in each of the courses

Analysis of electronic merchandising and its impact to improve and/or transform consumer experience in digital markets through consumer products and services for business to business and business to consumer. Emphasis is placed on understanding data analytics to inform strategy development.

**ADM 3361 Apparel Merchandising Technology (3)**

Pre-requisite(s): A grade of C or better in ADM 2311

Use of software to conceptualize fashion designs and create industry-standard merchandising materials and presentations.

**ADM 3363 Product Development & Pattern Design Technology (3)**

Pre-requisite(s): A minimum grade of C in ADM 2373

Use of digital technology for apparel design, product development and pattern creation.

**ADM 3364 History of Dress (3)**

Pre-requisite(s): A minimum grade of C in ADM 1241 and 2310

The history of dress from ancient times through the twenty-first century, examining dress in the context of social, economic, and artistic development of Western culture.

**ADM 3365 Global Dress and Culture (3)**

Pre-requisite(s): ADM 1241

Summer study tour with an emphasis on fashion as a system of design and production, fashion change, commerce and the intersections of fashion changes and trends in art, society and culture from a global perspective.

**ADM 3373 Advanced Apparel Studio (3)**

Pre-requisite(s): A minimum grade of C in ADM 2310, 2311, 3301, and 3363

Creative designing; integrating and contrasting theories of advanced pattern design and construction techniques for ready-to-wear using a variety of fabrics for specific markets.

**ADM 3391 Retail Buying I (3)**

Pre-requisite(s): ADM 1391, BUS 1305 and ACC 2301 or ACC 2303 with a minimum grade of C in each of the courses

Merchandising mathematical calculations for buying; theory and quantitative analysis of inventory, planning, pricing, and control for the profitable management of retail environments.

**ADM 3393 Visual Merchandising and Promotion (3)**

Pre-requisite(s): A minimum grade of C in both ADM 1241 and ADM 1391  
Study of display elements and techniques, visual merchandising, special event strategies, public relations, and internet promotions.

**ADM 3396 International Fashion Forecasting (3)**

Pre-requisite(s): A minimum grade of C in one of the following courses: ADM 1241, ADM 1300 or ADM 1391

Influence of culture, economics and politics on fashion trends in a society from a global perspective in a study abroad program.

**ADM 3V90 Pre-Professional Internship (1-3)**

Pre-requisite(s): Consent of the instructor through an application process in the prior semester

Optional, variable credit (1-3 hours), pre-professional internship or practicum experience pertinent to apparel design or merchandising majors taken prior to the required professional internship (ADM 4392 or 4394). May not be substituted for the required internship course. Open also to GFCS majors and merchandising minors with instructor permission. Course may be repeated for up to three semester hours of credit.

**ADM 4132 Apparel Industry Field Study (1)**

Pre-requisite(s): Three semester hours of clothing or textiles

Field study of the textile and apparel industry. May be repeated once.

**ADM 4190 Pre-Internship Seminar for Apparel Merchandising and Apparel Design Majors (1)**

Pre-requisite(s): Apparel Merchandising and Apparel Design majors only; ADM 1391 or ADM 1300 with a "C" or better; Junior level standing; should be completed 1-2 semesters prior to internship course

The study and preparation for the internship experience. Application of professional skills related to various forms of written and verbal communication, interview techniques, and ethics.

**ADM 4232 Apparel Field Study (2)**

Pre-requisite(s): Three semester hours of clothing or textiles

Study and research of selected designers, retailers, or manufacturing firms. May be repeated once.

**ADM 4310 Textiles and Apparel in a Global Economy (3)**

Pre-requisite(s): A minimum grade of C in ADM 3391, ECO 1305 or consent of instructor

A study of global textile and apparel industries including the effects and involvement of the global market on the production and merchandising of U.S. textiles and apparel.

**ADM 4312 Textile Testing and Analysis (3)**

Pre-requisite(s): A minimum grade of C in ADM 2310

Standards, specifications and principles of testing applied to textile products. Theory and analysis of aesthetic, durability, comfort and functional performance of textiles. Application of research principles in testing and analysis of textile products

**ADM 4363 Apparel Design Technology (3)**

Pre-requisite(s): A minimum grade of C in ADM 2311 and 3363

Use of software and technology to create apparel color stories, sketches, fabric designs, construction details drawings, merchandising materials, and product specifications.

**ADM 4371 Advanced Collection Development (3)**

Pre-requisite(s): A minimum grade of C in ADM 3373 and 4363  
Research, planning, and development of a cohesive apparel collection for a target market incorporating industry standards and techniques.

**ADM 4391 Retail Buying II (3)**

Pre-requisite(s): A grade of C or better in ADM 3391  
Analysis of the process of retail buying for various demographics and target markets; development of a six month buying plan and assortment plan to improve inventory control.

**ADM 4392 Apparel Merchandising Internship (3)**

Pre-requisite(s): A minimum grade of C in ADM 2310, ADM 3391, 3393 and 4190  
Field experience in apparel retailing, sales, management, buying, visual display and promotion, and distribution. Required campus seminars and a required minimum of 240 hours.

**ADM 4393 Case Studies in Apparel and Retailing (3)**

Pre-requisite(s): A minimum grade of C in ADM 3391 and senior standing or approval of instructor  
Analysis of current events and topical issues in apparel merchandising. Applied problem-solving through case studies related to apparel sourcing, retailing, and other merchandising functions.

**ADM 4394 Apparel Design Internship (3)**

Pre-requisite(s): A minimum grade of C in ADM 2310, 3363, 3373, and 4190  
Supervised professional field experience with an approved apparel firm designed to integrate academic learning with professional practice. Required campus seminars and a minimum of 240 hours field experience.

**ADM 4396 Fashion Trend Analysis and Forecasting (3)**

Pre-requisite(s): A minimum grade of C in ADM 2310  
Analysis of demographics, psychographics, geodemographics, and popular culture on consumption patterns of consumers.

## Child and Family Studies (CFS)

**CFS 1315 Development of Individual and Family Relationships (3)**

An introductory study of individual development integrating interpersonal and intrafamily relationships across the family life course.

**CFS 2355 Child Development (3)**

Physical, intellectual, emotional, and social development from birth to middle childhood. One hour each week working with children in a community setting is required.

**CFS 2357 Adult Development (3)**

Physical, intellectual, spiritual, social and emotional development in adulthood, emphasizing developmental tasks in adulthood.

**CFS 3304 Introduction to Research (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Research methods, experimental procedures, writing, reporting data, and evaluating current research within various areas of human sciences. The format of the course includes a combination of lecture and discussion, writing assignments, literature review, and/or oral presentations.

**CFS 3324 Children and Families with Special Needs (3)**

Social, educational, and vocational challenges faced by families with children with special needs.

**CFS 3325 Child Health Programs (3)**

Pre-requisite(s): Junior standing or consent of instructor  
Theory and community practice of current and proposed public health programs benefiting children. Course targets future child life specialists, dietitians, nurses, educators, social workers, and public health administrators.

**CFS 3350 Individual and Family Financial Management (3)**

Study of individual and family financial decisions, planning and management.

**CFS 3354 Family Life Education and Ethics (3)**

Pre-requisite(s): CFS 1315 and 2355  
Historical, philosophical and theoretical foundations of Family Life Education (FLE); role of a FL educator, frameworks of FLE design, delivery and ethical guidelines.

**CFS 3356 Theories of Family Development (3)**

Pre-requisite(s): Upper-level standing  
A theoretical study of societal changes affecting families over the life course. Using a systems paradigm, emphasis is placed on effective communication and knowledgeable choices regarding marriage, parenting, divorce, family crises, and aging.

**CFS 3357 The Preschool Child (3)**

Pre-requisite(s): A minimum grade of C in CFS 2355 or consent of instructor  
A study of the social relationships and adjustments of the young child in group situations, including supervised participation and the planning and implementation of curriculum.

**CFS 3358 Infant and Toddler Development (3)**

Pre-requisite(s): CFS 2355  
The developmental sequence from prenatal to three years, emphasizing the relationship and interactive process between infants, toddlers, and their primary caregivers in family and group situations. Two hours each week working with infants/toddlers in community center required (2-2).

**CFS 3362 Child Life Theory and Practice (3)**

Pre-requisite(s): A minimum grade of C in CFS 2355 and upper-level standing or consent of instructor  
Historical and theoretical perspective on development of child life field and information on fundamental skills required to help children and families cope with the stress of a health care experience.

**CFS 3368 Theory and Principles of Play (3)**

Pre-requisite(s): A minimum grade of C in CFS 2355 or consent of instructor  
The study of play theory, creativity, guidance, and implementation of developmentally-appropriate practice in diverse settings for children in early childhood. Requires completion of 20 lab hours at the Piper Center.

**CFS 4191 Professional Practices in Child and Family Studies (1)**

Pre-requisite(s): Upper-level standing and a minimum of 12 credit hours of CFS courses completed with a C or better  
The study and preparation for the Child and Family Studies practicum experience. Application of professional skills related to various forms of written and verbal communication, interview techniques, and ethics.

**CFS 4340 Resource Management (3)**

Pre-requisite(s): Upper-level standing  
Emphasis on a systems approach to time, energy, and resource management. Strategies for maximizing management influences on individual and family welfare. Designed to include occupational competencies and analyze career and job opportunities.

**CFS 4356 The Family: A Global Perspective (3)**

Families around the world: functions, roles, responsibilities, environmental influences, and interactions with other societal institutions.

**CFS 4357 Child and Family Policy and Advocacy (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Exploration of the reciprocal influences between children and families and all branches of government, including public/private sectors at local, state, and federal levels. Emphasis placed on models, skills, and approaches necessary to advocate for and influence policy.

**CFS 4358 Planning and Administration of Child and Family Programs (3)**

Pre-requisite(s): FCS 3304; and upper-level standing or consent of instructor  
Administration and planning of programs serving children and families. Emphasis is placed on program planning, evaluation, ethics, and professionalism as they apply to child and family programs.

**CFS 4359 Parenting Theory and Approaches (3)**

Pre-requisite(s): CFS 1315 and CFS 2355, or consent of instructor  
Theory-based study of parenting approaches, issues, and outcomes for applied practice with diverse families across the lifespan, including the creation, implementation, and identification of parent education resources to support individual and family well-being.

**CFS 4363 Adolescent Development (3)**

Pre-requisite(s): CFS 2355 and Upper-level standing  
The psychosocial, social-emotional, and cognitive language development of adolescents.

**CFS 4364 Child and Family Ministry (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Biblical framework, contemporary issues, models, skills, and approaches of child and family ministry, covering faith-based settings.

**CFS 4367 Family Transitions, Stress, and Resilience (3)**

Pre-requisite(s): Upper-level standing or consent of the instructor  
Current theory and models seeking to understand family transitions, stress, coping, adaptation, and resilience.

**CFS 4368 Family Perspectives on Aging (3)**

Pre-requisite(s): Upper-level standing  
A study of normative aging processes within the family context.

**CFS 4390 Child and Family Studies Practicum (3)**

Pre-requisite(s): A minimum grade of C in CFS 2355, 3356, 4359, and 4191; and consent of instructor  
Requires a minimum of one hundred and fifty clock hours of directed experiences in a program-related professional setting, plus weekly online class activities and discussions. May be repeated in a different setting for a maximum of 6 credits.

**CFS 4695 Internship in Child Life (6)**

Pre-requisite(s): A minimum grade of C in CFS 3357, 4359, 4362; senior standing; and consent of instructor  
Supervised child life internship in an approved hospital for four hundred or more hours. Written reports and research required.

## Human Sciences and Design (HSD)

**HSD 1104 New Student Seminar in Human Sciences and Design (1)**

History, interdependence and integrative nature of HSD program areas and their role in the study of health and human sciences. A New Student Experience (NSE) course examining techniques for academic success, finding purpose and connection with Baylor, and professional and career options.

**HSD 1231 Design and Creative Technologies (2)**

The study of art and design principles through the use of creative technologies including image creation and editing software, digital sketching and illustration, and project management systems, to develop communication and marketing materials.

**HSD 2100 Directed Study in Human Sciences and Design (1)**

Pre-requisite(s): Consent of instructor  
Individual study of selected areas of interest in human sciences and design.

**HSD 2200 Directed Study in Human Sciences and Design (2)**

Pre-requisite(s): Consent of instructor  
Individual study of selected areas of interest in human sciences and design.

**HSD 3100 Applied Undergraduate Research in Human Sciences and Design (1)**

Pre-requisite(s): Junior level standing  
In-depth undergraduate research. This class is intended for application-oriented, individualized professor-supervised undergraduate research applications.

**HSD 3320 Methods of Teaching Human Sciences and Design (3)**

Pre-requisite(s): Fifteen hours of human sciences and design, junior standing, and admission to the School of Education  
Teaching materials and methods, media, and the philosophy of vocational education.

**HSD 3321 Curriculum and Evaluation in Human Sciences and Design (3)**

Pre-requisite(s): Junior standing, eighteen hours of human sciences and design and admission to the School of Education  
Curriculum planning, teaching strategies, evaluation, and classroom management. Each student will spend two hours each week in an approved field experience.

**HSD 3375 Global Perspectives in Housing (3)**

Pre-requisite(s): Upper-level standing  
Research and exploration in housing differences around the world as a factor of cultural, political, environmental, economical and social influences.

**HSD 4322 Student Teaching in Human Sciences and Design (3)**

Pre-requisite(s): A minimum grade of C in HSD 3321; and senior standing; and completion of all human sciences and design and education courses  
Supervised observation of and participation in various phases of a high school vocational home economics program for a full school day for a half semester. Required for vocational home economics teaching certificate.

**HSD 4332 Occupational Human Sciences and Design (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Study of the occupational human sciences and design programs in Texas. Each student will spend two hours each week in an approved field experience.

**HSD 4623 Student Teaching in Human Sciences and Design (6)**

Pre-requisite(s): A minimum grade of C in HSD 3321, senior standing; completion of all human sciences and design and education courses  
Continuation of HSD 4322. Required for vocational family and consumer sciences teaching certificate.

**HSD 4V93 Special Studies in Human Sciences and Design (1-3)**

Pre-requisite(s): Senior standing; or consent of instructor  
 Current issues in human sciences and design will be examined through seminars, special topics, practicums and individual research experiences. May be repeated with different content for a maximum of six semester hours.

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## Interior Design (ID)

**ID 1313 Interior Design Graphics I (3)**

Pre-requisite(s): Interior Design majors or consent of instructor  
 Introduction to basic techniques of architectural drafting with an emphasis on industry standards, architectural symbols, lettering, and line weights. Graphics will focus on interior floor plans, elevations, sections, details, and axonometric drawings.

**ID 1332 Introduction to Interior Design (3)**

The elements and principles of design; their theories and applications related to the built environment, including programming, spatial relationships, materials and components, design styles, sustainability, and universal design; and an overview of the profession.

**ID 2090 Sophomore Portfolio (0)**

Pre-requisite(s): Sophomore standing in the program, ID 2315 2322  
 Students in this course will successfully complete the Sophomore Portfolio Review which includes the following: Conceptual Problem - Creative Thinking and Writing, Conceptual Problem - Application/Elements/Principles and Presentation to External Reviewers. Students will not be allowed to register for upper-level studios unless they have completed this requirement.

**ID 2314 Interior Design Graphics II (3)**

Pre-requisite(s): A minimum grade of C in ID 1313  
 Perspective drawing as it relates to interior design with an emphasis on one and two-point perspective techniques (both technical and free-hand). Advanced section and axonometric drawings.

**ID 2317 Space Planning (3)**

Pre-requisite(s): ID 1313  
 Introduction to Interior Design space planning techniques, based on the principles and elements of design. The course will use modeling (both digital and physical) to increase the understanding of spatial relationships with an emphasis on ergonomics, anthropometrics and proxemics.

**ID 2318 ID Digital Presentation (3)**

Pre-requisite(s): ID 2314  
 Introduction to digital presentation techniques and graphic software programs that aid with the development of digital presentation boards. Composition, color and print quality will be emphasized.

**ID 2320 Building Materials and Finishes for Interiors (3)**

Pre-requisite(s): A minimum grade of C in ID 2314, 2315 and credit with a minimum grade of C or concurrent enrollment in ADM 2310  
 General analysis, selection, estimation, and application of materials and finishes in the design of components of the built environment including testing standards, specifications, color theory, textile applications, and cultural and global influences.

**ID 2322 Computer-Aided Drafting and Design I (3)**

Pre-requisite(s): A minimum grade of C in ID 1313  
 Emphasis on a broad range of two-dimensional computer-aided drafting and design techniques for interiors as specified by industry standards, including computer graphics and various aspects of project management.

**ID 2325 Building Systems for Interiors (3)**

Pre-requisite(s): A minimum grade of C in ID 1313 and 1332; or consent of instructor  
 Study of structures, building materials, construction techniques, mechanical and electrical systems, and their impact on the design of the built environment.

**ID 2350 Building Codes for Interiors (3)**

Pre-requisite(s): A minimum grade of C in ID 1313 and 1332; or consent of instructor  
 Study of building and interior codes used in the design of the built environment, which includes model codes, standards, regulations, Life Safety, ADA, sustainability, electrical, and plumbing.

**ID 2375 History of Interiors I (3)**

Survey of influential architectural movements, interiors, furnishings, and the decorative arts related to major cultures from Antiquity through the early 19th century, with special emphasis on periods of design influenced by Classicism.

**ID 2395 History of Interiors II (3)**

Survey of architectural styles, movements, influences, interiors, furnishings, and the decorative arts from the mid-19th century to the present in Europe and America. Strong emphasis on 20th-century masters.

**ID 3198 Internship Seminar (1)**

Pre-requisite(s): A minimum grade of C in ID 3418 or concurrent enrollment  
 Study and preparation for the internship experience. Application of professional skills related to various forms of written communication, interview techniques, and ethics. Portfolio design and development.

**ID 3317 Lighting for Interiors (3)**

Pre-requisite(s): A minimum grade of C in ID 2314  
 Technical and psychological aspects of the illumination of interior environments that support human performance, environmental issues, aesthetic appeal, and the health, safety, and welfare of the user.

**ID 3322 Computer-Aided Drafting and Design II (3)**

Pre-requisite(s): A minimum grade of C in ID 2322  
 Emphasis on three-dimensional computer-aided drawing techniques for interior design and presentation, using BIM (Building Information Modeling) software.

**ID 3418 Interior Design Studio I (4)**

Pre-requisite(s): A minimum grade of C in ADM 2310, ID 2320, 2322, and minimum grade of C or concurrent enrollment in ID 3317  
 Successful completion of ID 2090. ID 2375 and 2395 recommended.  
 Application of design components for residential environments.  
 Development of the design process with emphasis on research and programming, human behavior, lifestyle concerns, environmental issues, special needs populations; and consideration of cultural, regional, and geographic influences. Includes material/finish specifications, budget application and team-based design solutions.

**ID 3426 Interior Design Studio II (4)**

Pre-requisite(s): A minimum grade of C in ID 3317, 3318 and credit with a minimum grade of C or concurrent enrollment in ID 3322  
 Application of design components for small-scale commercial projects, with emphasis on research, programming, conceptual development, creative problem solving, building codes, life safety, environmental issues, and universal design. Includes estimation, specification, and applications of materials/finishes, lighting applications, and team-based design solutions.



**ID 4123 Interior Design Capstone Research (1)**

Pre-requisite(s): A minimum grade of "C" in ID 3426

Introduction to methods and techniques of interior design research.

Students develop a research framework which they will apply to the design of their capstone project the following semester. Various types of qualitative, quantitative, and historical methods of design research will be discussed.

**ID 4320 Business Practices and Procedures for Interior Design (3)**

Pre-requisite(s): A minimum grade of C in ID 4418 or concurrent enrollment

Business practices and procedures, ethics, project coordination, licensure, and legal aspects related to the interior design profession.

**ID 4326 Sustainable Design (3)**

Pre-requisite(s): Junior or senior standing or consent of instructor

Sustainable Design course provides an overview of sustainable practice, accreditation and certification standards, and other relevant programs like The Well Building Standard and GreenGuard. This course will prepare the student to take the USGBC Green Associate exam prior the end of the semester.

**ID 4398 Interior Design Internship (3)**

Pre-requisite(s): A minimum grade of C in ID 3198 and 3426

ID 3322 recommended. Supervised internship in an approved design-related work environment. Minimum of 240 hours.

**ID 4418 Interior Design Studio III (4)**

Pre-requisite(s): A minimum grade of C in ID 3426 and credit with a minimum grade of C or concurrent enrollment in ID 3322

Application of design components for large-scale commercial projects including open office systems, with increased emphasis on thorough research and programming, conceptual development, creative problem-solving, application of building codes, environmental issues, and universal design. Includes estimation, specification, and application of material/finishes, lighting applications, and team-based design solutions.

**ID 4433 Interior Design Studio IV (Capstone) (4)**

Pre-requisite(s): A minimum grade of C in ID 4418 and 4320

A comprehensive capstone studio that will provide an advanced integrative application of the design process resulting in complex design solutions and complete project documentation. Final portfolio presentation required.

## Nutrition Sciences (NUTR)

**NUTR 1401 Introduction to Food Science (4)**

Comprehensive study and experimental laboratory investigation of food constituents with a focus on chemical and physiochemical properties and reactions, including sensory evaluation, microbial safety, and food preservation.

**NUTR 2101 Introduction to the Profession of Nutrition and Dietetics (1)**

History of the profession and the skills and functioning of nutrition and dietetics professionals. Prepares students for their undergraduate major and for entrance into the supervised practice.

**NUTR 2351 Nutrition (3)**

Pre-requisite(s): CHE 1300 or 1301 or 1405; or BIO 1305 or 1401 or 1405  
Scientific approach to the essential nutrients for human growth and development. Macronutrients, micronutrients, and human metabolism have details coverage; a computer diet analysis is conducted.

**NUTR 2380 Intro to Food Delivery Systems (3)**

Pre-requisite(s): A minimum grade of C in NUTR 1401 and NUTR 2351, or consent of the instructor

Introduction to meal service in the setting of the home, institutions, childcare, and restaurants. Management of meal planning, preparation, and service. Emphasis on equipment usage and maintenance and time, money, and nutrient management.

**NUTR 3188 Introduction to the Nutrition Care Process (1)**

Pre-requisite(s): Upper-level standing

Introduction to the Nutrition Care Process (NCP) with an emphasis on the Nutrition Assessment and Nutrition Diagnosis components of this standard protocol, including application of nutrition-focused physical assessment. Medical terminology pertinent to the NCP will also be discussed.

**NUTR 3314 Consumer Nutrition (3)**

Pre-requisite(s): Upper-level standing

Survey of basic nutrition and current issues focusing on personal nutrient needs. Not open to nutrition sciences majors, minors or other students who have taken NUTR 2351.

**NUTR 3351 Nutrition Counseling and Education (3)**

Pre-requisite(s): A minimum grade of C in NUTR 2351

Nutrition counseling and education strategies that can be used for dietary behavior change, emphasizing practical aspects of nutrition counseling.

**NUTR 3386 Experimental Foods (3)**

Pre-requisite(s): A minimum grade of C in NUTR 1401; and BIO 1305, CHE 1301 and 1341, STA 1380 or 2381

Investigation of the composition, functional properties, and reactions of food components. The study of chemical-physical changes which result from processing materials comprising foods. Study of experimental techniques for product development.

**NUTR 3388 Introduction to Medical Nutrition Therapy (3)**

Pre-requisite(s): BIO 1305, [2401 and 2402] or 3322; CHE 1301, 1341; NUTR 3188; and a minimum grade of C in NUTR 2351

In-depth study and proficiency testing of the nutrition care process, medical vocabulary, medical records, clinical math, diabetes, and cardiovascular disease.

**NUTR 3435 Food Service Production (4)**

Pre-requisite(s): A minimum grade of C in NUTR 1401, 2351, and 2380

Quality food production techniques, procedures, and management of meals serving fifty or more people. The function and methods of food management (for profit) will be emphasized in this course.

**NUTR 4151 Nutrition Practicum (1)**

Pre-requisite(s): Departmental approval required

Supervised field experiences in nutrition education and program delivery. A minimum of one hour each week is required in a seminar setting. May be repeated for a maximum of 4 credit hours.

**NUTR 4200 Seminar in Nutrition Sciences (2)**

Pre-requisite(s): Senior standing or consent of the instructor

Professional aspects of nutritional sciences with concentration on ethics, credentialing, communications, marketing, and public policy techniques.

**NUTR 4351 Life Cycle Nutrition (3)**

Pre-requisite(s): A minimum grade of C in NUTR 2351 or consent of instructor

Nutritional needs of individuals as they progress through the life cycle from birth through aging, with considerations of concomitant problems.



**NUTR 4352 World Nutrition (3)**

Pre-requisite(s): A minimum grade of C in NUTR 2351 or consent of the instructor

World hunger as a major international problem. The effects of malnutrition on growth, health, and economic output will be examined.

**NUTR 4386 Nutrition for Sport and Fitness (3)**

Pre-requisite(s): NUTR 2351, BIO [2401 and 2402] or 3322, and upper-level standing or consent of instructor

Nutritional concepts for individuals and team sport participants across the life cycle with a particular focus on selection of optimal dietary approaches as related to performance needs, maximizing performance, body comparison, energy balance, and unique nutrient needs for specific sport participants. Food and nutrition quackery in sports will also be addressed.

**NUTR 4387 Advanced Nutrition (3)**

Pre-requisite(s): Nutrition Sciences majors must have a grade of C or higher in NUTR 2351, BIO 1305, CHE 1301, 1341, and 3341

Nutrients and their roles in human health. Emphasis on trends in nutritional research.

**NUTR 4388 Medical Nutrition Therapy (3)**

Pre-requisite(s): A minimum grade of C in NUTR 3388

In-depth study of various disease states with a focus on pathophysiology and evidence-based medical nutrition therapy interventions. Field experience in clinical dietetics is required.

**NUTR 4395 Special Studies in Nutrition, Food science and food production (3)**

Current issues in nutrition, food science or food production can be explored through seminars, special topics, and practicums. May be repeated with different content for a maximum of 6 semester hours.

## Apparel Design and Product Development

Dr. Lorynn Divita, Division Leader

The apparel design and product development major fosters the development of knowledge and skills in creative and technical design, trend analysis, apparel production, and textile performance. Students use leading-edge technology to design and create apparel products, develop product specifications, analyze textile materials, and illustrate fashion. In the design studio, students learn product development and production techniques used in the apparel industry, including digital fabric printing.

| Code   | Title  | Hours |
|--|--|-------|
| <b>Required Courses</b>                              |  |       |
| Minimum Requirement                                  |  | (124) |
| Residence Requirement                                |  | (60)  |
| Grade point average – minimum of 2.00 ("C") overall. |  |       |
| <b>Basic Requirements</b>                            |  |       |
| Chapel – two semesters                               |  | 0     |
| ENG 2310   | American Literary Cultures   | 3     |
| HIS 1300   | The United States in Global Perspective  | 3     |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| REL 1310   | The Christian Scriptures   | 3     |
| REL 1350   | The Christian Heritage   | 3     |
| <i>Communication and Media Literacy</i>              |  |       |

Select 3 hours from the Communication and Media Literacy Distribution list. 3

*Contemporary Social Issues*

ECO 1305 Issues in Economics for Non-Business Majors 3

*Fine Arts and Performing Arts*

ADM 1241 Apparel Aesthetics 2

*Foreign Languages & Cultures*

Select 3-4 hours from the Foreign Languages and Cultures Distribution List. 3-4

*Formal Reasoning*

Select one course from the Formal Reasoning Distribution list. 3

*Research, Writing & Literature*

ENG 1310 Writing and Academic Inquiry Seminars & PWR 3300 and Technical Writing 6

*Scientific Method I*

Select one of the following: 4

CHE 1405 Chemistry and Society

CHE 1301 Basic Principles of Modern Chemistry I & CHE 1101 and General Chemistry Laboratory I

CHE 1300 Introductory Chemistry & CHE 1100 and Introductory Chemistry Laboratory

*Scientific Method II*

NUTR 3314 Consumer Nutrition 3

*Lifetime Fitness*

Select three hours 3

**Major Requirements***Apparel Courses*

ADM 1311 Apparel Design Construction 3

ADM 1300 Fashion Theory and Consumption Behavior 3  
or ADM 1391 Introduction to the Apparel Industry

ADM 1321 Apparel Design & Development 3

ADM 2310 Textile Science 3

ADM 2311 Fashion Illustration 3

ADM 2373 Intermediate Apparel Studio 3

ADM 3301 Contemporary Tailoring and Design 3

ADM 3363 Product Development & Pattern Design Technology 3

ADM 3364 History of Dress 3

or ADM 3365 Global Dress and Culture

ADM 3373 Advanced Apparel Studio 3

ADM 4190 Pre-Internship Seminar for Apparel Merchandising and Apparel Design Majors 1

ADM 4312 Textile Testing and Analysis 3

ADM 4363 Apparel Design Technology 3

ADM 4371 Advanced Collection Development 3

ADM 4394 Apparel Design Internship 3

ADM 4396 Fashion Trend Analysis and Forecasting 3  
or ADM 3396 International Fashion Forecasting

*Required Courses in Other Fields*

ACC 2301 Survey of Accounting 3

ENT 3315 Starting and Managing a Business 3

MKT 3301 Marketing Concepts 3

|   |   |                |
|---|---|----------------|
| Select two courses from the following: <sup>1</sup>   |   | 6              |
| ART 1310  | Drawing I   |                |
| ART 1314  | 2D Design   |                |
| ART 2310  | Figure Drawing I <sup>1</sup>   |                |
| ART 2334  | Introduction to Darkroom Photography (for non-art majors)   |                |
| ART 2336  | Introduction to Digital Photography (for non-majors)  |                |
| ART 2350  | Jewelry and Metalsmithing (for non-art majors)  |                |
| ART 3314  | Fabric Surface Design   |                |
| ART 3315  | Non-Woven/Off-Loom Fabric Structures  |                |
| ART 3316  | Weaving   |                |
| <i>HSD Core</i> <sup>2</sup>  |   |                |
| HSD 1104 & CFS 1315   | New Student Seminar in Human Sciences and Design and Development of Individual and Family Relationships | 4              |
| or CFS 4356   | The Family: A Global Perspective  |                |
| <i>Electives (if needed to reach 124 minimum hours)</i>   |   | 2              |
| Dependent on Foreign Languages and Cultures hours. May use to complete minor in Entrepreneurship, Business Administration, or other area, if desired. |   | 12-15          |
| An approved, 240-hour, on-site internship is required following the completion of all prerequisite apparel design courses. <sup>3</sup>               |   |                |
| A grade of "C" or better in Human Sciences and Design Courses (ADM, CFS, HSD, ID, or NUTR).   |   |                |
| <b>Total Hours</b>  |   | <b>124-128</b> |

<sup>1</sup> Please note that ART 2310 Figure Drawing I has a prerequisite that would require an additional ART course. Prerequisites for other courses may be petitioned by apparel design majors to be waived through the Art Department.

<sup>2</sup> NUTR 3314 Consumer Nutrition is included in basic studies requirements above.

<sup>3</sup> The required, for-credit course, ADM 4394 Apparel Design Internship (listed above), provides credit for the internship experience.

## Apparel Merchandising

Dr. Lorynn Divita, Division Leader

Students in the apparel merchandising program have opportunities to develop knowledge of retail functions, merchandising principles, forecasting trends, and textile selection and evaluation. Graduates are prepared for professional careers in merchandise buying, retail management, visual merchandising, planning and allocation, digital retailing, and product development.

| Code   | Title                      | Hours |
|--|----------------------------|-------|
| <b>Requirements</b>                                  |                            |       |
| Minimum Requirement                                  |                            | (124) |
| Residence Requirement                                |                            | (60)  |
| Grade point average – minimum of 2.00 ("C") overall. |                            |       |
| <b>Basic Requirements</b>                            |                            |       |
| Chapel – two semesters                               |                            | 0     |
| ENG 2310   | American Literary Cultures | 3     |

|  |  |     |
|--|--|-----|
| HIS 1300   | The United States in Global Perspective  | 3   |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3   |
| REL 1310   | The Christian Scriptures   | 3   |
| REL 1350   | The Christian Heritage   | 3   |
| <i>Communication and Media Literacy</i>  |  |     |
| Select one course from the Communication and Media Literacy Distribution List. |  | 3   |
| <i>Contemporary Social Issues</i>  |  |     |
| ECO 1305   | Issues in Economics for Non-Business Majors                                      | 3   |
| <i>Fine Arts and Performing Arts</i>   |  |     |
| ADM 1241   | Apparel Aesthetics   | 2   |
| <i>Foreign Languages &amp; Cultures</i>  |  |     |
| Select 3-4 hours from the Foreign Languages and Cultures Distribution List.    |  | 3-4 |
| <i>Formal Reasoning</i>  |  |     |
| Select one course from the Formal Reasoning Distribution List.                 |  | 3   |
| <i>Research, Writing &amp; Literature</i>                                      |  |     |
| ENG 1310 & PWR 3300  | Writing and Academic Inquiry Seminars and Technical Writing                      | 6   |
| <i>Scientific Method I</i>   |  |     |
| Select one of the following:   |  | 4   |
| CHE 1405   | Chemistry and Society  |     |
| CHE 1301 & CHE 1101  | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I        |     |
| CHE 1300 & CHE 1100  | Introductory Chemistry and Introductory Chemistry Laboratory                     |     |
| <i>Scientific Method II</i>  |  |     |
| NUTR 3314  | Consumer Nutrition   | 3   |
| <i>Lifetime Fitness</i>  |  |     |
| Select three hours   |  | 3   |
| <b>Major Requirements</b>  |  |     |
| <i>Apparel Courses</i>   |  |     |
| ADM 1300   | Fashion Theory and Consumption Behavior  | 3   |
| ADM 1391   | Introduction to the Apparel Industry   | 3   |
| ADM 1311 or ADM 2371   | Apparel Design Construction or Apparel Quality Analysis                          | 3   |
| ADM 2310   | Textile Science  | 3   |
| ADM 2311   | Fashion Illustration   | 3   |
| ADM 3340   | Digital Retailing Strategies   | 3   |
| ADM 3361   | Apparel Merchandising Technology   | 3   |
| ADM 3364 or ADM 3365   | History of Dress or Global Dress and Culture                                     | 3   |
| ADM 3391   | Retail Buying I  | 3   |
| ADM 3393   | Visual Merchandising and Promotion   | 3   |
| ADM 4190   | Pre-Internship Seminar for Apparel Merchandising and Apparel Design Majors       | 1   |
| ADM 4312   | Textile Testing and Analysis   | 3   |
| ADM 4391   | Retail Buying II   | 3   |
| ADM 4392   | Apparel Merchandising Internship   | 3   |
| ADM 4393   | Case Studies in Apparel and Retailing  | 3   |
| ADM 3396   | International Fashion Forecasting  | 3   |

|  |   |                |
|--|---|----------------|
| or ADM 4396  | Fashion Trend Analysis and Forecasting                              |                |
| Select three semester hours from the following:  |   | 3              |
| ADM 3V90   | Pre-Professional Internship   |                |
| ADM 4132   | Apparel Industry Field Study  |                |
| & ADM 4232   | and Apparel Field Study   |                |
| Any upper division ADM course not being used to fulfill a requirement  |   |                |
| <i>Required Courses in Other Fields</i>  |   |                |
| ACC 2301   | Survey of Accounting  | 3              |
| BUS 1305   | Software Applications for Personal Productivity                     | 3              |
| MKT 3301   | Marketing Concepts  | 3              |
| Select one of the following:   |   | 12             |
| Twelve additional semester hours of "3000" or "4000" level business courses with a grade of "C" or better; (a minor in Entrepreneurship or Business Administration may be completed within these hours)            |   |                |
| Twelve additional semester hours of upper division hours toward a minor in another program area (see advisor for approved minors). Grades in courses dependent on the minor requirements. Minor must be completed. |   |                |
| <i>HSD Core</i> <sup>1</sup>   |   |                |
| HSD 1104   | New Student Seminar in Human Sciences and Design                    | 4              |
| & CFS 1315   | and Development of Individual and Family Relationships <sup>1</sup> |                |
| or CFS 4356  | The Family: A Global Perspective                                    |                |
| <i>Electives (if needed to reach 124 minimum hours)</i>  |   | 2              |
| Dependent on Foreign Languages and Cultures hours.   |   | 3-6            |
| An approved, 240-hour, on-site internship is required following the completion of all prerequisite apparel design courses. <sup>2</sup>  |   |                |
| A grade of "C" or better in Human Sciences and Design Courses (ADM, CFS, HSD, ID, or NUTR).  |   |                |
| <b>Total Hours</b>   |   | <b>124-128</b> |

<sup>1</sup> NUTR 3314 Consumer Nutrition is included in basic studies requirements above.

<sup>2</sup> The required, for-credit course, ADM 4392 Apparel Merchandising Internship (listed above), provides credit for the internship experience.

## Apparel Merchandising Minor

### Requirements for a Minor in Apparel Merchandising

| Code  | Title                                   | Hours |
|---|---|-------|
| <b>Required Courses</b>                           |   |       |
| Eighteen semester hours, including the following: |   |       |
| ADM 1391  | Introduction to the Apparel Industry    | 3     |
| ADM 2310  | Textile Science                         | 3     |
| ADM 1300  | Fashion Theory and Consumption Behavior | 3     |
| or ADM 2371                                       | Apparel Quality Analysis                |       |
| Select nine semester hours from the following:    |   | 9     |
| ADM 3340  | Digital Retailing Strategies            |       |
| ADM 3364  | History of Dress                        |       |

|   |                                       |           |
|---|---------------------------------------|-----------|
| or ADM 3365   | Global Dress and Culture              |           |
| ADM 3391  | Retail Buying I                       |           |
| ADM 3393  | Visual Merchandising and Promotion    |           |
| ADM 3396  | International Fashion Forecasting     |           |
| ADM 3V90  | Pre-Professional Internship           |           |
| ADM 4393  | Case Studies in Apparel and Retailing |           |
| ADM 4132  | Apparel Industry Field Study          |           |
| & ADM 4232  | and Apparel Field Study               |           |
| A grade of "C" or better in ADM courses used for the minor. |                                       |           |
| <b>Total Hours</b>  |                                       | <b>18</b> |

## Child and Family Studies

**Dr. Nicole McAninch, Division Leader**

The Child and Family Studies program emphasizes individual and family well-being across the lifespan through the study of human development and family relationships. The program offers certification in Family Life Education (CFLE) through the National Council on Family Relations and the coursework preparation for certification as a Child Life Specialist through the Child Life Council. Students gain hands-on experience through the Piper Center for Family Studies and Child Development, a NAEYC-accredited lab school.

## Child Development Concentration

The child development concentration is an excellent option for students interested in the holistic study of children's development from conception through emerging young adulthood, for application in early childhood, nonprofit, ministry, healthcare, and other institutional settings.

| Code   | Title  | Hours |
|--|--|-------|
| <b>Requirements</b>                                  |  |       |
| Minimum Requirement                                  |  | (124) |
| Residence Requirement                                |  | (60)  |
| Grade point average – minimum of 2.00 ("C") overall. |  |       |
| <b>Basic Requirements</b>                            |  |       |
| Chapel - two semesters                               |  | 0     |
| ENG 2310   | American Literary Cultures   | 3     |
| HIS 1300   | The United States in Global Perspective  | 3     |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| <i>Religion</i>                                      |  |       |
| REL 1310   | The Christian Scriptures   | 3     |
| REL 1350   | The Christian Heritage   | 3     |
| <i>Communication and Media Literacy</i>              |  |       |
| CFS 3354   | Family Life Education and Ethics   | 3     |
| <i>Contemporary and Social Issues</i>                |  |       |
| Select one course from the following:                |  | 3     |
| CFS 4356   | The Family: A Global Perspective   |       |
| SOC 1305   | Introduction to Sociology  |       |
| PSY 1305   | Psychological Science: Understanding Human Behavior                              |       |
| REL 3390   | Christian Ethics   |       |
| ANT 1325   | Introduction to Global Health  |       |
| <i>Fine Arts and Performing Arts</i>                 |  |       |

|   |   |     |
|---|---|-----|
| HSD 1231  | Design and Creative Technologies  | 2   |
| <i>Foreign Languages &amp; Cultures</i>                                   |   |     |
| Select 6-8 hours from the Foreign Language and Cultures Distribution List |   | 6-8 |
| <i>Formal Reasoning</i>   |   |     |
| Select one course from the following:                                     |   | 3   |
| MTH 1301  | Ideas in Mathematics  |     |
| PHI 1306  | Logic   |     |
| STA 1380  | Elementary Statistics   |     |
| <i>Research, Writing &amp; Literature</i>                                 |   |     |
| ENG 1310  | Writing and Academic Inquiry Seminars   | 3   |
| PWR 3300  | Technical Writing   | 3   |
| <i>Scientific Method I</i>  |   |     |
| Select one of the following:  |   | 4   |
| BIO 1305 & BIO 1105   | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |     |
| BIO 1306 & BIO 1106   | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |     |
| BIO 1401  | Current Issues in Human Biology   |     |
| NSC 1306 & NSC 1106   | Introduction to Neuroscience and Introduction to Neuroscience Laboratory              |     |
| CHE 1300 & CHE 1100   | Introductory Chemistry and Introductory Chemistry Laboratory                          |     |
| CHE 1301 & CHE 1101   | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |     |
| CHE 1405  | Chemistry and Society   |     |
| <i>Scientific Method II</i>   |   |     |
| NUTR 2351 or NUTR 3314  | Nutrition Consumer Nutrition  | 3   |
| <i>Lifetime Fitness</i>   |   |     |
| Select three semester hours   |   | 3   |
| <b>Major</b>  |   |     |
| <i>Child and Family Studies Courses: Child Development Concentration</i>  |   |     |
| CFS 1315  | Development of Individual and Family Relationships                                    | 3   |
| CFS 2355  | Child Development   | 3   |
| CFS 2357  | Adult Development   | 3   |
| CFS 3304  | Introduction to Research  | 3   |
| CFS 3324  | Children and Families with Special Needs  | 3   |
| CFS 3350  | Individual and Family Financial Management  | 3   |
| CFS 3356  | Theories of Family Development  | 3   |
| CFS 3357  | The Preschool Child   | 3   |
| CFS 3358  | Infant and Toddler Development  | 3   |
| CFS 4191  | Professional Practices in Child and Family Studies                                    | 1   |
| CFS 4358  | Planning and Administration of Child and Family Programs                              | 3   |
| CFS 4359  | Parenting Theory and Approaches   | 3   |
| CFS 4363  | Adolescent Development  | 3   |
| CFS 4390  | Child and Family Studies Practicum <sup>1</sup>                                       | 3   |

*Required Courses in Other Fields*

|   |   |     |
|---|---|-----|
| Select 12 semester hours from the following:  |   | 12  |
| LS 3305   | Children's Literature   |     |
| LS 4320   | Young People's Literature   |     |
| EDP 3324  | Learning and Development  |     |
| SOC 3360  | Juvenile Delinquency  |     |
| PUBH 3325   | Maternal and Infant Health  |     |
| PUBH 4321   | Human Sexuality   |     |
| Select one of the following options:  |   | 15  |
| <b>Option 1</b>   |   |     |
| Completed minor in a supporting area, such as American Sign Language, Business Administration, Educational Psychology, Informal Education, International Studies, Leadership Studies, Legal Reasoning & Analysis, Medical Humanities, Nutrition Sciences, Poverty Studies and Social Justice, Recreation Ministry, Religion, and Women's and Gender Studies. No more than one course in the minor can count for any other area in the major or degree requirements. See individual minors for course and grade requirements. General electives hours may be required to complete some minors. |   |     |
| <b>Option 2</b>   |   |     |
| Select 15 hours in addition to any courses selected in (B) above from the following:  |   |     |
| Any additional CFS 3000 or 4000 course  |   |     |
| CLA 3381  | Medical Terminology   |     |
| CSS 4311  | Conflict and Communication  |     |
| CSS 4313  | Communication and the Family  |     |
| PUBH 4321   | Human Sexuality   |     |
| PUBH 4327   | Dying and Death Education   |     |
| REL 3382  | Cross-Cultural Ministry   |     |
| REL 3390  | Christian Ethics  |     |
| SOC 3311  | The Sociology of Race and Ethnicity   |     |
| SOC 3355  | Introduction to the Economics of Poverty and Discrimination   |     |
| SOC 4310  | Death and Dying   |     |
| SOC 4353  | Sociology of Medicine   |     |
| SWO 4316  | Trauma, Loss, and Mourning  |     |
| TED 3380  | Social Issues in Education  |     |
| <b>Option 3: Family Life Education Certification <sup>2</sup></b>   |   |     |
| CFS 4356  | The Family: A Global Perspective  |     |
| CFS 4367  | Family Transitions, Stress, and Resilience  |     |
| CFS 4357  | Child and Family Policy and Advocacy (Three additional hours of upper-level elective from Option 2) |     |
| or SWO 4322   | Social Policy for Social Work Practice  |     |
| PUBH 4321   | Human Sexuality   |     |
| Three additional hours of upper-level elective from Option 2  |   |     |
| <b>HSD Core <sup>3</sup></b>  |   |     |
| HSD 1104  | New Student Seminar in Human Sciences and Design  | 1   |
| <i>Electives (if needed to reach 124 minimum hours)</i>   |   |     |
| Dependent on the foreign languages and professional electives option selected.  |   | 6-8 |
| An approved, on-site internship is required following the completion of prerequisite courses. <sup>1</sup>  |   |     |

A grade of “C” or better in Human Sciences and Design Courses (ADM, CFS, HSD, ID, or NUTR), required courses in other fields (section B above), and all professional electives used for the major.

**Total Hours** **124-128**

<sup>1</sup> The required, for-credit course, CFS 4390 Child and Family Studies Practicum (listed above), provides credit for the internship experience.

<sup>2</sup> If this option is selected, CFS 4356 The Family: A Global Perspective cannot count as the Contemporary Social Issues course for basic studies.

<sup>3</sup> HSD 1231 Design and Creative Technologies, NUTR 2351 Nutrition/NUTR 3314 Consumer Nutrition are included in basic studies courses above.

## Child Life Concentration

The child life concentration is designed for students interested in pursuing certification as a Child Life Specialist through the Association for Child Life Professionals in order to pursue certification. Students in the Child Life concentration are encouraged to check with the Child and Family Studies division director related to non-academic requirement for becoming a certified Child Life Specialist.

| Code  | Title  | Hours |
|---|--|-------|
| <b>Requirements</b>   |  |       |
| Minimum Requirement   |  | (124) |
| Residence Requirement   |  | (60)  |
| Grade point average – minimum of 2.75 (“B-”) overall.                     |  |       |
| <b>Basic Requirements</b>   |  |       |
| <i>Chapel</i>   |  |       |
| Complete two semesters of Chapel  |  |       |
| ENG 2310  | American Literary Cultures   | 3     |
| HIS 1300  | The United States in Global Perspective  | 3     |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| <i>Religion</i>   |  |       |
| REL 1310  | The Christian Scriptures   | 3     |
| REL 1350  | The Christian Heritage   | 3     |
| <i>Communication and Media Literacy</i>                                   |  |       |
| CFS 3354  | Family Life Education and Ethics   | 3     |
| <i>Contemporary and Social Issues</i>                                     |  |       |
| Select one course from the following:                                     |  | 3     |
| CFS 4356  | The Family: A Global Perspective   |       |
| SOC 1305  | Introduction to Sociology  |       |
| PSY 1305  | Psychological Science: Understanding Human Behavior                              |       |
| REL 3390  | Christian Ethics   |       |
| ANT 1325  | Introduction to Global Health  |       |
| <i>Fine Arts and Performing Arts</i>                                      |  |       |
| HSD 1231  | Design and Creative Technologies   | 2     |
| <i>Foreign Languages &amp; Cultures</i>                                   |  |       |
| Select 6-8 hours from the Foreign Language and Cultures Distribution List |  | 6-8   |
| <i>Formal Reasoning</i>   |  |       |
| Select one course from the following:                                     |  | 3     |

|   |   |    |
|---|---|----|
| MTH 1301  | Ideas in Mathematics  |    |
| PHI 1306  | Logic   |    |
| STA 1380  | Elementary Statistics   |    |
| <i>Research, Writing &amp; Literature</i>                         |   |    |
| ENG 1310  | Writing and Academic Inquiry Seminars   | 3  |
| PWR 3300  | Technical Writing   | 3  |
| <i>Scientific Method I</i>  |   |    |
| Select one of the following:                                      |   | 4  |
| BIO 1305 & BIO 1105   | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory            |    |
| BIO 1306 & BIO 1106   | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory |    |
| BIO 1401  | Current Issues in Human Biology   |    |
| NSC 1306 & NSC 1106   | Introduction to Neuroscience and Introduction to Neuroscience Laboratory              |    |
| CHE 1300 & CHE 1100   | Introductory Chemistry and Introductory Chemistry Laboratory                          |    |
| CHE 1301 & CHE 1101   | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I             |    |
| <i>Scientific Method II</i>                                       |   |    |
| NUTR 2351 or NUTR 3314  | Nutrition Consumer Nutrition  | 3  |
| <i>Lifetime Fitness</i>   |   |    |
| Select three semester hours                                       |   | 3  |
| <b>Major</b>  |   |    |
| <i>Child and Family Studies Courses: Child Life Concentration</i> |   |    |
| CFS 1315  | Development of Individual and Family Relationships                                    | 3  |
| CFS 2355  | Child Development   | 3  |
| CFS 2357  | Adult Development   | 3  |
| CFS 3304  | Introduction to Research  | 3  |
| CFS 3350  | Individual and Family Financial Management  | 3  |
| CFS 3356  | Theories of Family Development  | 3  |
| CFS 3357  | The Preschool Child   | 3  |
| CFS 3358  | Infant and Toddler Development  | 3  |
| CFS 3362  | Child Life Theory and Practice  | 3  |
| CFS 4191  | Professional Practices in Child and Family Studies                                    | 1  |
| CFS 4358  | Planning and Administration of Child and Family Programs                              | 3  |
| CFS 4359  | Parenting Theory and Approaches   | 3  |
| CFS 4363  | Adolescent Development  | 3  |
| CFS 4390  | Child and Family Studies Practicum <sup>1</sup>                                       | 3  |
| <i>Required Courses in Other Fields</i>                           |   |    |
| Select 12 semester hours from the following:                      |   | 12 |
| CLA 3381  | Medical Terminology   |    |
| PUBH 3320   | Stress Management/Mental-Emotional Health   |    |
| PUBH 3325 or PUBH 4321  | Maternal and Infant Health Human Sexuality  |    |



|                          |   |
|--------------------------|---|
| PUBH 4327<br>or SWO 4316 | Dying and Death Education<br>Trauma, Loss, and Mourning |
|--------------------------|---|

*Professional Electives*

Select one of the following options: 15

## Option 1

Completed minor in a supporting area, such as Communication Sciences & Disorders, Educational Psychology, International Studies, Leadership Studies, Medical Humanities, Nutrition Sciences, Poverty Studies and Social Justice, Religion, and Women's and Gender Studies. No more than one course in the minor can count for any other area in the major or degree requirements. See individual minors for course and grade requirements. General electives hours may be required to complete some minors.

## Option 2

Select 15 hours in addition to any courses selected in (B) above from the following:

Any additional CFS 3000 or 4000 course

|           |   |
|-----------|---|
| BIO 2401  | Human Anatomy and Physiology of Motion and Innervation      |
| BIO 2402  | Human Anatomy and Physiology of Metabolism and Processing   |
| CSS 4311  | Conflict and Communication                                  |
| CSS 4313  | Communication and the Family                                |
| EDP 3361  | Developmental Disabilities                                  |
| LS 3305   | Children's Literature                                       |
| LS 4320   | Young People's Literature                                   |
| PUBH 4321 | Human Sexuality   |
| PUBH 4327 | Dying and Death Education                                   |
| REL 3382  | Cross-Cultural Ministry                                     |
| REL 3390  | Christian Ethics  |
| REL 4395  | Bioethics   |
| SOC 3311  | The Sociology of Race and Ethnicity                         |
| SOC 3355  | Introduction to the Economics of Poverty and Discrimination |
| SOC 3360  | Juvenile Delinquency  |
| SOC 4353  | Sociology of Medicine                                       |
| SWO 4316  | Trauma, Loss, and Mourning                                  |

Option 3 <sup>2</sup>

|                         |  |
|-------------------------|--|
| CFS 4356                | The Family: A Global Perspective   |
| CFS 4367                | Family Transitions, Stress, and Resilience                                     |
| CFS 4357<br>or SWO 4322 | Child and Family Policy and Advocacy<br>Social Policy for Social Work Practice |
| PUBH 4321               | Human Sexuality  |

Three additional hours of upper-level elective from Option 2

*HSD Core* <sup>3</sup>

|          |  |   |
|----------|--|---|
| HSD 1104 | New Student Seminar in Human Sciences and Design | 1 |
|----------|--|---|

*Electives*

Dependent on the foreign languages and professional electives option selected. <sup>4</sup> 8-10

A grade of "C" or better in Human Sciences and Design Courses (ADM, CFS, HSD, ID, or NUTR), required courses in other fields (section B above), and all professional electives used for the major.

An approved, on-site internship is required following the completion of prerequisite courses. <sup>1</sup>

Students will need 50 – 100 volunteer hours of clinical experience, a Child Life practicum, a Child Life Internship, and a passing grade on the Child Life Certification exam to become a Child Life Specialist.

**Total Hours** 124-128

<sup>1</sup> The required, for-credit course, CFS 4390 Child and Family Studies Practicum (listed above), provides credit for the internship experience.

<sup>2</sup> If this option is selected, CFS 4356 The Family: A Global Perspective cannot count as the Contemporary Social Issues course for basic studies.

<sup>3</sup> HSD 1231 Design and Creative Technologies, NUTR 2351 Nutrition/NUTR 3314 Consumer Nutrition are included in basic studies courses above.

<sup>4</sup> Students may complete CFS 4695 Internship in Child Life to satisfy some of these hours.

## Family Life Education Concentration

The concentration in Family Life Education prepares students to provide preventive services for children and families in a variety of settings. The courses required in the Family Life Education Concentration of the Child and Family Studies program is approved by the National Council on Family Relations (NCFR) for students to receive certification as a Family Life Educator following graduation. Successful completion of the coursework in this concentration qualifies students to apply for provisional certification through the National Council on Family Relations.

| Code   | Title  | Hours |
|--|--|-------|
| <b>Requirements</b>                                  |  |       |
| Minimum Requirement                                  |  | (124) |
| Residence Requirement                                |  | (60)  |
| Grade point average – minimum of 2.00 ("C") overall. |  |       |
| <b>Basic Requirements</b>                            |  |       |
| <i>Chapel</i>  |  |       |
| Complete two semesters of Chapel                     |  | 0     |
| ENG 2310   | American Literary Cultures   | 3     |
| HIS 1300   | The United States in Global Perspective  | 3     |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| <i>Religion</i>                                      |  |       |
| REL 1310   | The Christian Scriptures   | 3     |
| REL 1350   | The Christian Heritage   | 3     |
| <i>Communication and Media Literacy</i>              |  |       |
| CFS 3354   | Family Life Education and Ethics   | 3     |
| <i>Contemporary and Social Issues</i>                |  |       |
| Select one course from the following:                |  | 3     |
| SOC 1305   | Introduction to Sociology  |       |
| PSY 1305   | Psychological Science: Understanding Human Behavior                              |       |
| REL 3390   | Christian Ethics   |       |
| ANT 1325   | Introduction to Global Health  |       |
| <i>Fine Arts and Performing Arts</i>                 |  |       |
| HSD 1231   | Design and Creative Technologies   | 2     |

**Foreign Languages & Cultures**

Select 6-8 hours from the Foreign Language and Cultures Distribution List 6-8

**Formal Reasoning**

Select one course from the following: 3

MTH 1301 Ideas in Mathematics

PHI 1306 Logic

STA 1380 Elementary Statistics

**Research, Writing & Literature**

ENG 1310 Writing and Academic Inquiry Seminars 3

PWR 3300 Technical Writing 3

**Scientific Method I**

Select one of the following: 4

BIO 1305 & BIO 1105 Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory

BIO 1306 & BIO 1106 Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory

BIO 1401 Current Issues in Human Biology

NSC 1306 & NSC 1106 Introduction to Neuroscience and Introduction to Neuroscience Laboratory

CHE 1301 & CHE 1101 Basic Principles of Modern Chemistry I and General Chemistry Laboratory I

CHE 1405 Chemistry and Society

**Scientific Method II**

NUTR 2351 Nutrition 3  
or NUTR 3314 Consumer Nutrition

**Lifetime Fitness**

Select three semester hours 3

**Major****Child and Family Studies Courses: Family Life Education Concentration**

CFS 1315 Development of Individual and Family Relationships 3

CFS 2355 Child Development 3

CFS 2357 Adult Development 3

CFS 3304 Introduction to Research 3

CFS 3350 Individual and Family Financial Management 3

CFS 3356 Theories of Family Development 3

CFS 4191 Professional Practices in Child and Family Studies 1

CFS 4356 The Family: A Global Perspective 3

CFS 4357 Child and Family Policy and Advocacy 3

CFS 4358 Planning and Administration of Child and Family Programs 3

CFS 4359 Parenting Theory and Approaches 3

CFS 4364 Child and Family Ministry 3

CFS 4367 Family Transitions, Stress, and Resilience 3

CFS 4390 Child and Family Studies Practicum <sup>1</sup> 3

**Required Courses in Other Fields**

Select one course from the following: 3

CSS 4313 Communication and the Family

PUBH 3320 Stress Management/Mental-Emotional Health

PUBH 4321 Human Sexuality 3

**Professional Electives**

Select one of the following options: 15

**Option 1**

Completed minor in a supporting area, such as Communication Sciences & Disorders, Educational Psychology, International Studies, Leadership Studies, Medical Humanities, Nutrition Sciences, Poverty Studies and Social Justice, Religion, and Women's and Gender Studies. No more than one course in the minor can count for any other area in the major or degree requirements. See individual minors for course and grade requirements. General electives hours may be required to complete some minors.

**Option 2**

Select 15 hours in addition to any courses selected in (B) above from the following:

Any additional CFS 3000 or 4000 course

CLA 3381 Medical Terminology

CSS 4311 Conflict and Communication

LS 3305 Children's Literature

LS 4320 Young People's Literature

PUBH 3325 Maternal and Infant Health

PUBH 4327 Dying and Death Education

REL 3382 Cross-Cultural Ministry

REL 3390 Christian Ethics

SOC 3311 The Sociology of Race and Ethnicity

SOC 3355 Introduction to the Economics of Poverty and Discrimination

SOC 3360 Juvenile Delinquency

SOC 4353 Sociology of Medicine

SWO 4316 Trauma, Loss, and Mourning

**HSD Core <sup>2</sup>**

HSD 1104 New Student Seminar in Human Sciences and Design 1

Electives (if needed to reach 124 minimum hours) 2

Dependent on the foreign languages and professional electives 12-14 option selected.

A grade of "C" or better in Human Sciences and Design Courses (ADM, CFS, HSD, ID, or NUTR), required courses in other fields (section B above), and all professional electives used for the major.

An approved, on-site internship is required following the completion of prerequisite courses. <sup>1</sup>

Students are qualified to apply for Certification in Family Life Education (CFLE) through the National Council on Family Relations by completing the requirements for this concentration.

**Total Hours 124-128**

<sup>1</sup> The required, for-credit course, CFS 4390 Child and Family Studies Practicum (listed above), provides credit for the internship experience.

<sup>2</sup> HSD 1231 Design and Creative Technologies, NUTR 2351 Nutrition/NUTR 3314 Consumer Nutrition are included in basic studies courses above.

## Pre-Occupational Therapy Concentration

This concentration is designed for students preparing for a professional career in occupational therapy. Students are encouraged to check with the Pre-Health office on campus regarding the requirements of the programs to which you aspire in order to ensure you meet all prerequisite requirements. Students may petition for changes to the science course requirements if there is a discrepancy.

| Code  | Title  | Hours |
|---|--|-------|
| <b>Requirements</b>   |  |       |
| Minimum Requirement   |  | (124) |
| Residence Requirement   |  | (60)  |
| Grade point average – minimum of 2.75 ("B-") overall.                     |  |       |
| <b>Basic Requirements</b>   |  |       |
| <i>Chapel</i>   |  |       |
| Complete two semesters of Chapel  |  | 0     |
| ENG 2310  | American Literary Cultures   | 3     |
| HIS 1300  | The United States in Global Perspective  | 3     |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| <i>Religion</i>   |  |       |
| REL 1310  | The Christian Scriptures   | 3     |
| REL 1350  | The Christian Heritage   | 3     |
| <i>Communication and Media Literacy</i>                                   |  |       |
| CFS 3354  | Family Life Education and Ethics   | 3     |
| <i>Contemporary and Social Issues</i>                                     |  |       |
| SOC 1305  | Introduction to Sociology  | 3     |
| or PSY 1305   | Psychological Science: Understanding Human Behavior                              |       |
| <i>Fine Arts and Performing Arts</i>                                      |  |       |
| HSD 1231  | Design and Creative Technologies   | 2     |
| <i>Foreign Languages &amp; Cultures</i>                                   |  |       |
| Select 6-8 hours from the Foreign Language and Cultures Distribution List |  | 6-8   |
| <i>Formal Reasoning</i>   |  |       |
| STA 1380  | Elementary Statistics  | 3     |
| <i>Research, Writing &amp; Literature</i>                                 |  |       |
| ENG 1310  | Writing and Academic Inquiry Seminars  | 3     |
| PWR 3300  | Technical Writing  | 3     |
| <i>Scientific Method I</i>  |  |       |
| CHE 1300 & CHE 1100   | Introductory Chemistry and Introductory Chemistry Laboratory                     | 4     |
| or CHE 1301 & CHE 1101  | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I        |       |
| <i>Scientific Method II</i>   |  |       |
| NUTR 2351   | Nutrition  | 3     |
| or NUTR 3314  | Consumer Nutrition   |       |
| <i>Lifetime Fitness</i>   |  |       |

|   |  |   |
|---|--|---|
| Select three semester hours   |  | 3 |
| <b>Major</b>  |  |   |
| <i>Child and Family Studies Courses: Pre-Occupational Therapy Concentration</i>     |  |   |
| CFS 1315  | Development of Individual and Family Relationships                       | 3 |
| CFS 2355  | Child Development  | 3 |
| CFS 2357  | Adult Development  | 3 |
| CFS 3304  | Introduction to Research   | 3 |
| CFS 3324  | Children and Families with Special Needs                                 | 3 |
| CFS 3350  | Individual and Family Financial Management                               | 3 |
| CFS 3356  | Theories of Family Development   | 3 |
| CFS 4191  | Professional Practices in Child and Family Studies                       | 1 |
| CFS 4358  | Planning and Administration of Child and Family Programs                 | 3 |
| CFS 4359  | Parenting Theory and Approaches  | 3 |
| CFS 4367  | Family Transitions, Stress, and Resilience                               | 3 |
| CFS 4390  | Child and Family Studies Practicum <sup>1</sup>                          | 3 |
| Select six semester hours from the following:                                       |  | 6 |
| CFS 3357  | The Preschool Child  |   |
| CFS 3358  | Infant and Toddler Development   |   |
| CFS 4363  | Adolescent Development   |   |
| <i>Required Courses in Other Fields</i>   |  |   |
| CLA 3381  | Medical Terminology  | 3 |
| PSY 3341  | A Survey of Human Development  | 3 |
| PSY 3321  | Abnormal Psychology  | 3 |
| or PSY 3330   | Psychopathology  |   |
| BIO 2401  | Human Anatomy and Physiology of Motion and Innervation                   | 4 |
| BIO 2402  | Human Anatomy and Physiology of Metabolism and Processing                | 4 |
| NSC 1306 & NSC 1106   | Introduction to Neuroscience and Introduction to Neuroscience Laboratory | 4 |
| HP 2306   | Anatomical Kinesiology   | 3 |
| or HP 2307  | Biomechanics   |   |
| PHY 1405  | Everyday Physics   | 4 |
| <i>Professional Electives</i>   |  |   |
| Select 3 hours in addition to any courses selected in (B) above from the following: |  | 3 |
| Any CFS 3000 or 4000 class  |  |   |
| CSS 3311  | Interpersonal Communication  |   |
| CSS 4313  | Communication and the Family   |   |
| LS 3305   | Children's Literature  |   |
| LS 4320   | Young People's Literature  |   |
| PUBH 3325   | Maternal and Infant Health   |   |
| PUBH 4321   | Human Sexuality  |   |
| PUBH 4327   | Dying and Death Education  |   |
| REL 3382  | Cross-Cultural Ministry  |   |
| REL 3390  | Christian Ethics   |   |
| REL 4395  | Bioethics  |   |
| SOC 3311  | The Sociology of Race and Ethnicity                                      |   |

|  |   |                |
|--|---|----------------|
| SOC 3330   | Women in American Society                                   |                |
| SOC 3355   | Introduction to the Economics of Poverty and Discrimination |                |
| SOC 3360   | Juvenile Delinquency  |                |
| SOC 4310   | Death and Dying   |                |
| SOC 4322   | Stratification in Society                                   |                |
| SOC 4353   | Sociology of Medicine                                       |                |
| SWO 4316   | Trauma, Loss, and Mourning                                  |                |
| <i>HSD Core</i> <sup>2</sup>   |   |                |
| HSD 1104   | New Student Seminar in Human Sciences and Design            | 1              |
| <i>Electives</i>   |   |                |
| Dependent on the foreign languages and professional electives option selected.   |   | 4              |
| A grade of "C" or better in Human Sciences and Design Courses (ADM, CFS, HSD, ID, or NUTR), required courses in other fields (section B above), and all professional electives used for the major. |   |                |
| An approved, on-site internship is required following the completion of prerequisite courses. <sup>1</sup>   |   |                |
| Students interested in applying to Occupational Therapy programs should review the prerequisite course requirements as each OT program will vary in their expectations.                            |   |                |
| <b>Total Hours</b>   |   | <b>124-126</b> |

<sup>1</sup> The required, for-credit course, CFS 4390 Child and Family Studies Practicum (listed above), provides credit for the internship experience.

<sup>2</sup> HSD 1231 Design and Creative Technologies, NUTR 2351 Nutrition/NUTR 3314 Consumer Nutrition are included in basic studies courses above.

## Child and Family Studies Minor

### Requirements for a Minor in Child and Family Studies

| Code  | Title  | Hours     |
|---|--|-----------|
| <b>Required Courses</b>   |  |           |
| Eighteen semester hours, including the following:                       |  |           |
| CFS 1315  | Development of Individual and Family Relationships | 3         |
| CFS 2355  | Child Development                                  | 3         |
| CFS 3356  | Theories of Family Development                     | 3         |
| CFS 4359  | Parenting Theory and Approaches                    | 3         |
| Complete 6 additional semester hours of "3000-4000" level CFS electives |  | 6         |
| A grade of "C" or better in all courses used for the minor.             |  |           |
| <b>Total Hours</b>  |  | <b>18</b> |

## Family and Consumer Sciences

Dr. Nicole McAninch, Division Leader

The Family and Consumer Sciences degree program provides an in-depth study of issues that affect individuals, families, and communities in a global society. Students in this major are equipped to work with

diverse populations around basic needs of food, shelter, clothing, and relationships. Graduates from the Family & Consumer Sciences program often find career opportunities in government agencies, fashion retail, schools, restaurants, community centers, churches, childcare centers, or social service organizations, among others.

| Code  | Title  | Hours |
|---|--|-------|
| <b>Requirements</b>   |  |       |
| Minimum Requirement   |  | (124) |
| Residence Requirement   |  | (60)  |
| Grade point average – minimum of 2.00 ("C") overall.                        |  |       |
| <b>Basic Requirements</b>   |  |       |
| Chapel – two semesters  |  | 0     |
| ENG 2310  | American Literary Cultures   | 3     |
| HIS 1300  | The United States in Global Perspective  | 3     |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| REL 1310  | The Christian Scriptures   | 3     |
| REL 1350  | The Christian Heritage   | 3     |
| <i>Communication and Media Literacy</i>                                     |  |       |
| Select 3 hours from the Communication and Media Literacy Distribution List. |  | 3     |
| <i>Contemporary Social Issues</i>   |  |       |
| CFS 4356  | The Family: A Global Perspective   | 3     |
| <i>Fine Arts and Performing Arts</i>  |  |       |
| HSD 1231  | Design and Creative Technologies   | 2     |
| <i>Foreign Languages &amp; Cultures</i>                                     |  |       |
| Select 6-8 hours from the Foreign Languages and Cultures Distribution List. |  | 6-8   |
| <i>Formal Reasoning</i>   |  |       |
| MTH 1301  | Ideas in Mathematics   | 3     |
| or STA 1380   | Elementary Statistics  |       |
| <i>Research, Writing &amp; Literature</i>                                   |  |       |
| ENG 1310  | Writing and Academic Inquiry Seminars  | 6     |
| & PWR 3300  | and Technical Writing  |       |
| <i>Scientific Method I</i>  |  |       |
| Select one of the following:  |  | 4     |
| CHE 1300 & CHE 1100   | Introductory Chemistry and Introductory Chemistry Laboratory                     |       |
| CHE 1301 & CHE 1101   | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I        |       |
| CHE 1405  | Chemistry and Society  |       |
| <i>Scientific Method II</i>   |  |       |
| NUTR 2351   | Nutrition  | 3     |
| or NUTR 3314  | Consumer Nutrition   |       |
| <i>Lifetime Fitness</i>   |  |       |
| Select three hours  |  | 3     |
| <b>Major Requirements</b>   |  |       |
| <i>Family and Consumer Science Courses</i> <sup>1</sup>                     |  |       |
| Select one course from the following:                                       |  | 3     |
| ADM 1311  | Apparel Design Construction  |       |
| ADM 1300  | Fashion Theory and Consumption Behavior  |       |
| ADM 1391  | Introduction to the Apparel Industry   |       |
| ADM 2371  | Apparel Quality Analysis   |       |

|   |  |                |
|---|--|----------------|
| ADM 2310  | Textile Science                                    | 3              |
| CFS 1315  | Development of Individual and Family Relationships | 3              |
| CFS 2355  | Child Development                                  | 3              |
| CFS 3350  | Individual and Family Financial Management         | 3              |
| CFS 3356  | Theories of Family Development                     | 3              |
| Select one course from the following:   |  | 3              |
| HSD 3375  | Global Perspectives in Housing                     |                |
| ID 2375   | History of Interiors 1                             |                |
| ID 2395   | History of Interiors II                            |                |
| NUTR 1401   | Introduction to Food Science                       | 4              |
| NUTR 2380   | Intro to Food Delivery Systems                     | 3              |
| <i>Family and Consumer Sciences Electives</i>   |  |                |
| Select 15 hours from any ADM, CFS, HSD, ID, or NUTR course at the 3000 or 4000 level  |  | 15             |
| Professional Electives  |  | 9              |
| <i>HSD Core</i> <sup>2</sup>  |  |                |
| HSD 1104  | New Student Seminar in Human Sciences and Design   | 1              |
| <i>Electives (if needed to reach 124 minimum hours)</i>   |  | 2              |
| Dependent on the foreign languages selected.  |  | 21-23          |
| A grade of "C" or better in Human Sciences and Design Courses (ADM, CFS, HSD, ID, or NUTR) and all professional electives used for the major. |  |                |
| <b>Total Hours</b>  |  | <b>124-128</b> |

<sup>1</sup> CFS 4356 The Family: A Global Perspective is required, included in basic studies above.

<sup>2</sup> HSD 1231 Design and Creative Technologies, NUTR 2351 Nutrition/NUTR 3314 Consumer Nutrition are included in basic studies courses above.

## Interior Design

### Michelle R. Brown, Division Leader

The Interior Design program is accredited by the Council for Interior Design Accreditation (CIDA), the national accrediting agency for interior design education. The curriculum provides opportunity to develop the skills, knowledge, and learning experiences that prepare students for professional careers with interior design and architectural firms, other design-related careers, or graduate education. The program addresses competencies necessary for passing the NCIDQ (National Council for Interior Design Qualification) exam, a step required in Texas and many other states for interior design certification or licensure. The program incorporates a strong liberal arts background with supporting courses in the arts, sciences, and humanities. The freshman and sophomore years focus on building a strong knowledge base in design, addressing both residential and commercial design venues. The junior and senior years allow for application of knowledge and skills with a strong emphasis on design research and creative problem solving. Study abroad programs are offered to further enhance the educational experience. Students have 24-hour access to drafting facilities, resource areas, and a computer lab. Membership in the Interior Design Association at Baylor, a student organization representing professional student chapters of the American Society of Interior Designers (ASID) and the International Interior Design Association (IIDA), is available for students, offering an introduction into

the professional field of interior design. With easy access to the Dallas Design Center, strong professional involvement and industry support are available for students. Various professional organizations at state and national levels offer career day experiences, resources, and mentoring.

Post-matriculation students wishing to change their major to Interior Design must have a minimum GPA of 2.25 in order to be accepted into the Interior Design program. Due to course sequencing, a minimum of three years is required to complete major requirements for interior design.

| Code   | Title  | Hours |
|--|--|-------|
| <b>Requirements</b>  |  |       |
| Minimum Requirement  |  | (124) |
| Residence Requirement  |  | (60)  |
| Grade point average – minimum of 2.00 ("C") overall.                         |  |       |
| <b>Basic Requirements</b>  |  |       |
| Chapel - two semesters   |  | 0     |
| ENG 2310   | American Literary Cultures   | 3     |
| HIS 1300   | The United States in Global Perspective  | 3     |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| REL 1310   | The Christian Scriptures   | 3     |
| REL 1350   | The Christian Heritage   | 3     |
| <i>Communication and Media Literacy</i>                                      |  |       |
| Select one course from the Communication & Media Literacy Distribution List. |  | 3     |
| <i>Contemporary Social Issues</i>  |  |       |
| CFS 4356   | The Family: A Global Perspective   | 3     |
| <i>Fine Arts and Performing Arts</i>   |  |       |
| ART 1310   | Drawing I  | 3     |
| <i>Foreign Languages &amp; Cultures</i>                                      |  |       |
| Select 3-4 hours from the Foreign Languages & Cultures Distribution List.    |  | 3-4   |
| <i>Formal Reasoning</i>  |  |       |
| ID 2317  | Space Planning   | 3     |
| <i>Research, Writing &amp; Literature</i>                                    |  |       |
| ENG 1310 & PWR 3300  | Writing and Academic Inquiry Seminars and Technical Writing                      | 6     |
| <i>Scientific Method I</i>   |  |       |
| Select one of the following:   |  | 4     |
| CHE 1405 or CHE 1300 & CHE 1101  | Chemistry and Society Introductory Chemistry and General Chemistry Laboratory I  |       |
| CHE 1301 & CHE 1101  | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I        |       |
| <i>Scientific Method II</i>  |  |       |
| NUTR 3314  | Consumer Nutrition   | 3     |
| Lifetime Fitness Distribution List   |  | 3     |
| <b>Major</b>   |  |       |
| <i>Interior Design Courses</i>   |  |       |
| ID 1313  | Interior Design Graphics I   | 3     |
| ID 1332  | Introduction to Interior Design  | 3     |
| ID 2090  | Sophomore Portfolio  | 0     |
| ID 2314  | Interior Design Graphics II  | 3     |
| ID 2318  | ID Digital Presentation  | 3     |



|   |   |                |
|---|---|----------------|
| ID 2320   | Building Materials and Finishes for Interiors         | 3              |
| ID 2322   | Computer-Aided Drafting and Design I                  | 3              |
| ID 2325   | Building Systems for Interiors                        | 3              |
| ID 2350   | Building Codes for Interiors                          | 3              |
| ID 2375   | History of Interiors I                                | 3              |
| ID 2395   | History of Interiors II                               | 3              |
| ID 3198   | Internship Seminar                                    | 1              |
| ID 3317   | Lighting for Interiors                                | 3              |
| ID 3322   | Computer-Aided Drafting and Design II                 | 3              |
| ID 3418   | Interior Design Studio I                              | 4              |
| ID 3426   | Interior Design Studio II                             | 4              |
| ID 4123   | Interior Design Capstone Research                     | 1              |
| ID 4320   | Business Practices and Procedures for Interior Design | 3              |
| ID 4326   | Sustainable Design                                    | 3              |
| ID 4398   | Interior Design Internship                            | 3              |
| ID 4418   | Interior Design Studio III                            | 4              |
| ID 4433   | Interior Design Studio IV (Capstone)                  | 4              |
| ADM 2310  | Textile Science                                       | 3              |
| <i>Required Courses in Other Fields</i>   |   |                |
| ART 1314  | 2D Design   | 3              |
| ARTH 2302   | Survey of Western Art I                               | 3              |
| or ARTH 2303  | Survey of Western Art II                              |                |
| <i>HSD Core <sup>1</sup></i>  |   |                |
| HSD 1104  | New Student Seminar in Human Sciences and Design      | 1              |
| <i>Electives (if needed to reach 124 minimum hours)</i>   |   |                |
| Dependent on Foreign Languages and Cultures hours   |   | 5              |
| First Year Review   |   |                |
| Second Year Review  |   |                |
| An approved, 240-hour, on-site internship is required following the completion of the junior year. <sup>2</sup> |   |                |
| A grade of "C" or better in Human Sciences and Design Courses (ADM, CFS, HSD, ID, or NUTR).                     |   |                |
| <b>Total Hours</b>  |   | <b>124-125</b> |

<sup>1</sup> NUTR 3314 Consumer Nutrition and CFS 4356 The Family: A Global Perspective are included in basic studies requirements above.

<sup>2</sup> The required, for-credit course, ID 4398 Interior Design Internship (listed above), provides credit for the internship experience.

## First Year Review

Successful completion of the First-Year review is required for advancement to the Sophomore level studios. At the end of the first year review the following is required:

A minimum GPA of 2.85 or higher in the ID and Art courses required in the freshman level studio sequencing.

### Second Year Review

This review is a selective process by which the design faculty identifies students who are prepared in skills and knowledge to proceed to the junior level studio courses. Requirements for Second Year Review:

1. Overall GPA of 2.5 at the end of the fall term prior to the Second Year Review to make application.
2. A 2.85 overall in Interior Design Courses at the end of the Spring Semester

## Nutrition Sciences

### Stan Wilfong, Division Leader

Students in nutrition sciences are preparing for a professional career dealing with human nutrition, emphasizing disease prevention, disease management and maintaining good health by high quality nutrient intake.

Students also become proficient in preparing nutritious foods for all phases of the life cycle. There are three concentrations within nutrition sciences: pre-dietetics, pre-health and food management. Membership in the Academy of Nutrition and Dietetics is based on the major of Nutrition Sciences and is open to undergraduate students.

- Food Management Concentration (p. 403)
- Pre-Dietetics Concentration (p. 404)
- Pre-Health Concentration (p. 405)

## Food Management Concentration

The Food Management concentration is for those applying their nutrition expertise to food delivery in healthcare settings, preschools, school lunches, or other institutional settings.

| Code  | Title  | Hours |
|---|--|-------|
| <b>Requirements</b>   |  |       |
| Minimum Requirement   |  | (124) |
| Residence Requirement   |  | (60)  |
| Grade point average – minimum of 2.00 ("C") overall.  |  |       |
| <b>Basic Requirements</b>   |  |       |
| Chapel – two semesters  |  | 0     |
| ENG 2310  | American Literary Cultures   | 3     |
| HIS 1300  | The United States in Global Perspective  | 3     |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| REL 1310  | The Christian Scriptures   | 3     |
| REL 1350  | The Christian Heritage   | 3     |
| <i>Communication and Media Literacy</i>   |  |       |
| Select one course from the Communication & Media Literacy Distribution List.                |  | 3     |
| <i>Contemporary Social Issues</i>   |  |       |
| Select one course in PSY, SOC or ANT from the Contemporary Social Issues Distribution List. |  | 3     |
| <i>Fine Arts and Performing Arts</i>  |  |       |
| Select one course from the Fine Arts and Performing Arts Distribution List.                 |  | 2-3   |
| <i>Foreign Languages &amp; Cultures</i>   |  |       |
| Select 3-4 hours from the Foreign Languages & Cultures Distribution List.                   |  | 3-4   |
| <i>Formal Reasoning</i>   |  |       |
| STA 1380  | Elementary Statistics  | 3     |
| <i>Research, Writing &amp; Literature</i>   |  |       |

|                                       |   |   |
|---------------------------------------|---|---|
| ENG 1310<br>& ENG 2301<br>or ENG 2306 | Writing and Academic Inquiry Seminars<br>and British Literature<br>World Literature | 6 |
|---------------------------------------|---|---|

**Scientific Method I**

Select one of the following: 4

|                        |  |  |
|------------------------|--|--|
| CHE 1405               | Chemistry and Society  |  |
| CHE 1300<br>& CHE 1100 | Introductory Chemistry<br>and Introductory Chemistry Laboratory              |  |
| CHE 1301<br>& CHE 1101 | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I |  |

**Scientific Method II**

Select from BIO lecture/lab courses on the Distribution List. 4

Lifetime Fitness 3

**Major****Nutrition Courses**

|           |   |   |
|-----------|---|---|
| NUTR 1401 | Introduction to Food Science                                      | 4 |
| NUTR 2101 | Introduction to the Profession of Nutrition<br>and Dietetics      | 1 |
| NUTR 2351 | Nutrition   | 3 |
| NUTR 2380 | Intro to Food Delivery Systems                                    | 3 |
| NUTR 3351 | Nutrition Counseling and Education                                | 3 |
| NUTR 3386 | Experimental Foods  | 3 |
| NUTR 3435 | Food Service Production   | 4 |
| NUTR 4351 | Life Cycle Nutrition  | 3 |
| NUTR 4395 | Special Studies in Nutrition, Food science<br>and food production | 3 |

Select nine semester hours from the following: 9

|           |   |  |
|-----------|---|--|
| NUTR 3388 | Introduction to Medical Nutrition Therapy |  |
| NUTR 4352 | World Nutrition                           |  |
| NUTR 4386 | Nutrition for Sport and Fitness           |  |
| CFS 2355  | Child Development                         |  |
| CFS 3325  | Child Health Programs                     |  |
| CFS 4363  | Adolescent Development                    |  |

All prerequisites must be met.

**Required Courses in Other Fields**

|                        |   |   |
|------------------------|---|---|
| BIO 1302<br>& BIO 1102 | Introductory Microbiology<br>and Introductory Microbiology Laboratory | 4 |
| MGT 3301               | Managing People in Organizations                                      | 3 |
| MGT 4336               | Human Resource Management   | 3 |
| BUS 1305               | Software Applications for Personal<br>Productivity                    | 3 |

Please note that some BIO courses have GPA prerequisites. All prerequisites must be met.

**HSD Core**

|             |   |   |
|-------------|---|---|
| HSD 1104    | New Student Seminar in Human Sciences<br>and Design   | 1 |
| CFS 1315    | Development of Individual and Family<br>Relationships | 3 |
| or CFS 4356 | The Family: A Global Perspective                      |   |
| CFS 3350    | Individual and Family Financial<br>Management         | 3 |

Electives (to reach 124 minimum hours) 22

A grade of "C" or better is required for all Human Sciences and Design Courses (NUTR, CFS, HSD).

**Total Hours****124-126**

## Pre-Dietetics Concentration

The pre-dietetics concentration prepares students to pursue a post-graduation supervised practice in dietetics and eventually sit for the exam to become a registered dietitian. Students will receive a verification statement upon completion of the major. The curriculum in the Nutrition Sciences program is currently granted accreditation by:

The Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics  
120 South Riverside Plaza, Suite 2190  
Chicago, IL 60606-6995  
312-899-0040 Ext. 5400

Successful completion of the Nutrition Sciences Pre-Dietetics program, university graduation requirements, an accredited internship, and other ACEND requirements qualifies the student to take the Commission on Dietetics Registration (CDR) examination to become a Registered Dietitian.

**Admission Requirements**

Nutrition Sciences majors can be enrolled into the Pre-Dietetics Concentration at the beginning of their Junior year if they meet the minimum 3.0 GPA requirement and have the approval of the Director of the Didactic Program in Dietetics (DPD program).

| Code   | Title   | Hours |
|--|---|-------|
| <b>Requirements</b>  |   |       |
| Minimum Requirement  |   | (124) |
| Residence Requirement  |   | (60)  |
| Grade point average – minimum of 2.00 ("C") overall.   |   |       |
| <b>Basic Requirements</b>  |   |       |
| Chapel – two semesters   |   | 0     |
| ENG 2310   | American Literary Cultures  | 3     |
| HIS 1300   | The United States in Global Perspective   | 3     |
| PSC 1387   | The U.S. Constitution, Its Interpretation,<br>and the American Political Experience | 3     |
| REL 1310   | The Christian Scriptures  | 3     |
| REL 1350   | The Christian Heritage  | 3     |
| <b>Communication &amp; Media Literacy</b>  |   |       |
| Select one course from the Communication & Media Literacy<br>Distribution List.                |   | 3     |
| <b>Contemporary Social Issues</b>  |   |       |
| Select one course in PSY, SOC or ANT from the Contemporary<br>Social Issues Distribution List. |   | 3     |
| <b>Fine Arts and Performing Arts</b>   |   |       |
| Select one course from the Fine Arts and Performing Arts<br>Distribution List.                 |   | 2-3   |
| <b>Foreign Languages &amp; Cultures</b>  |   |       |
| Select 3-4 hours from the Foreign Languages & Cultures<br>Distribution List.                   |   | 3-4   |
| <b>Formal Reasoning</b>  |   |       |
| STA 1380   | Elementary Statistics   | 3     |
| <b>Research, Writing &amp; Literature</b>  |   |       |

|   |   |   |
|---|---|---|
| ENG 1310<br>& ENG 2301<br>or ENG 2306   | Writing and Academic Inquiry Seminars<br>and British Literature<br>World Literature   | 6 |
| Scientific Method I   |   |   |
| CHE 1301<br>& CHE 1101  | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I  | 4 |
| Scientific Method II  |   |   |
| NUTR 2351   | Nutrition   | 3 |
| Lifetime Fitness  |   | 3 |
| Major   |   |   |
| Nutrition Courses   |   |   |
| NUTR 1401   | Introduction to Food Science  | 4 |
| NUTR 2101   | Introduction to the Profession of Nutrition<br>and Dietetics  | 1 |
| NUTR 2380   | Intro to Food Delivery Systems  | 3 |
| NUTR 3351   | Nutrition Counseling and Education  | 3 |
| NUTR 3188   | Introduction to the Nutrition Care Process  | 1 |
| NUTR 3386   | Experimental Foods  | 3 |
| NUTR 3388   | Introduction to Medical Nutrition Therapy   | 3 |
| NUTR 3435   | Food Service Production   | 4 |
| NUTR 4200   | Seminar in Nutrition Sciences   | 2 |
| NUTR 4351   | Life Cycle Nutrition  | 3 |
| NUTR 4352   | World Nutrition   | 3 |
| or NUTR 4386  | Nutrition for Sport and Fitness   |   |
| NUTR 4387   | Advanced Nutrition  | 3 |
| NUTR 4388   | Medical Nutrition Therapy   | 3 |
| All pre-requisites must be met.   |   |   |
| Required Courses in Other Fields  |   |   |
| BIO 1302  | Introductory Microbiology   | 3 |
| BIO 1102  | Introductory Microbiology Laboratory  | 1 |
| BIO 1305  | Modern Concepts of Bioscience   | 3 |
| BIO 1105  | Modern Concepts of Bioscience Laboratory  | 1 |
| BIO 1306  | Modern Concepts of Bioscience, continued  | 3 |
| BIO 2401<br>& BIO 2402  | Human Anatomy and Physiology of Motion<br>and Innervation<br>and Human Anatomy and Physiology of<br>Metabolism and Processing | 8 |
| CHE 1302  | Basic Principles of Modern Chemistry II   | 3 |
| CHE 1102  | General Chemistry Laboratory II   | 1 |
| CHE 1341  | Introductory Organic Biochemistry   | 3 |
| CHE 1146  | Introductory Organic Biochemistry<br>Laboratory   | 1 |
| CHE 3341  | Biochemistry of Nutrition   | 3 |
| MGT 3301  | Managing People in Organizations  | 3 |
| Please note that some courses have GPA prerequisites. All<br>prerequisites must be met. |   |   |
| HSD Core  |   |   |
| HSD 1104  | New Student Seminar in Human Sciences<br>and Design   | 1 |
| CFS 1315  | Development of Individual and Family<br>Relationships   | 3 |
| or CFS 4356   | The Family: A Global Perspective  |   |
| CFS 3350  | Individual and Family Financial<br>Management   | 3 |

**Electives**

|  |   |
|--|---|
| Complete 0-3 hours of electives (to reach 124 minimum hours) | 3 |
|--|---|

A grade of "C" or better is required for all courses used to complete a degree in Nutrition Sciences with a pre-dietetics concentration.

|                    |                |
|--------------------|----------------|
| <b>Total Hours</b> | <b>124-126</b> |
|--------------------|----------------|

## Pre-Health Concentration

The pre-healthcare concentration in nutrition is an excellent option for students preparing for professional careers in the medical or health care field (pre-med, physician assistant, dentistry, etc.). Extensive research supports the role of diet in health and disease states. Please check with the Pre-Health office on campus regarding requirements of the programs to which you aspire, to be sure you are meeting all prerequisites while enrolled in the nutrition sciences Pre-Health option. You may petition for changes to the science course requirements if there is a discrepancy.

| Code  | Title  | Hours |
|---|--|-------|
| <b>Requirements</b>   |  |       |
| Minimum Requirement   |  | (124) |
| Residence Requirement   |  | (60)  |
| Grade point average – minimum of 2.00 (“C”) overall.  |  |       |
| <b>Basic Requirements</b>   |  |       |
| Chapel – two semesters  |  | 0     |
| ENG 2310  | American Literary Cultures   | 3     |
| HIS 1300  | The United States in Global Perspective  | 3     |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| REL 1310  | The Christian Scriptures   | 3     |
| REL 1350  | The Christian Heritage   | 3     |
| <i>Communication and Media Literacy</i>   |  |       |
| Select one course from the Communication & Media Literacy Distribution List.                |  | 3     |
| <i>Contemporary Social Issues</i>   |  |       |
| Select one course in PSY, SOC or ANT from the Contemporary Social Issues Distribution List. |  | 3     |
| <i>Fine Arts and Performing Arts</i>  |  |       |
| Select one course from the Fine Arts and Performing Arts Distribution List.                 |  | 2-3   |
| <i>Foreign Languages &amp; Cultures</i>   |  |       |
| Select 3-4 hours from the Foreign Languages & Cultures Distribution List.                   |  | 3-4   |
| <i>Formal Reasoning</i>   |  |       |
| STA 1380<br>or STA 2381   | Elementary Statistics<br>Introductory Statistical Methods                        | 3     |
| <i>Research, Writing &amp; Literature</i>   |  |       |
| ENG 1310<br>& ENG 2301<br>or ENG 2306   | Writing and Academic Inquiry Seminars and British Literature<br>World Literature | 6     |
| <i>Scientific Method I</i>  |  |       |
| CHE 1301<br>& CHE 1101  | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I        | 4     |
| <i>Scientific Method II</i>   |  |       |
| NUTR 2351   | Nutrition  | 3     |
| Lifetime Fitness  |  | 3     |

**Major**

| <i>Nutrition Courses</i>                     |   |    |
|--|---|----|
| NUTR 1401                                    | Introduction to Food Science                              | 4  |
| NUTR 2101                                    | Introduction to the Profession of Nutrition and Dietetics | 1  |
| NUTR 2380                                    | Intro to Food Delivery Systems                            | 3  |
| NUTR 3351                                    | Nutrition Counseling and Education                        | 3  |
| NUTR 3386                                    | Experimental Foods  | 3  |
| NUTR 4351                                    | Life Cycle Nutrition                                      | 3  |
| Select 18 semester hours from the following: |   | 18 |

|           |   |  |
|-----------|---|--|
| NUTR 3388 | Introduction to Medical Nutrition Therapy |  |
| NUTR 4352 | World Nutrition                           |  |
| NUTR 4386 | Nutrition for Sport and Fitness           |  |
| NUTR 4387 | Advanced Nutrition                        |  |
| NUTR 4388 | Medical Nutrition Therapy                 |  |
| CFS 2355  | Child Development                         |  |
| CFS 3325  | Child Health Programs                     |  |
| CFS 3358  | Infant and Toddler Development            |  |
| CFS 4363  | Adolescent Development                    |  |

All pre-requisites must be met.

**Required Courses in Other Fields**

|   |   |     |
|---|---|-----|
| BIO 1302<br>& BIO 1102<br>or BIO 4302<br>& BIO 4102 | Introductory Microbiology<br>and Introductory Microbiology Laboratory<br>General Microbiology<br>and General Microbiology Lab                     | 4   |
| BIO 1305  | Modern Concepts of Bioscience   | 3   |
| BIO 1105  | Modern Concepts of Bioscience Laboratory  | 1   |
| BIO 1306  | Modern Concepts of Bioscience, continued  | 3   |
| BIO 1106  | Modern Concepts of Bioscience Laboratory  | 1   |
| BIO 2401<br>& BIO 2402<br>or BIO 3322               | Human Anatomy and Physiology of Motion<br>and Innervation<br>and Human Anatomy and Physiology of<br>Metabolism and Processing<br>Human Physiology | 3-8 |
| CHE 1302  | Basic Principles of Modern Chemistry II   | 3   |
| CHE 1102  | General Chemistry Laboratory II   | 1   |
| CHE 1341<br>or CHE 3332                             | Introductory Organic Biochemistry<br>Organic Chemistry II   | 3   |
| CHE 1146<br>or CHE 3238                             | Introductory Organic Biochemistry<br>Laboratory<br>Organic Chemistry Laboratory   | 1   |
| CHE 3341<br>or CHE 4341<br>& CHE 4342               | Biochemistry of Nutrition<br>General Biochemistry<br>and Topics in Human Biochemistry   | 3-6 |
| MGT 3301  | Managing People in Organizations  | 3   |

Please note that some BIO courses have GPA prerequisites. All prerequisites must be met.

**HSD Core**

|                         |  |   |
|-------------------------|--|---|
| HSD 1104                | New Student Seminar in Human Sciences and Design                                       | 1 |
| CFS 1315<br>or CFS 4356 | Development of Individual and Family Relationships<br>The Family: A Global Perspective | 3 |

|          |  |   |
|----------|--|---|
| CFS 3350 | Individual and Family Financial Management | 3 |
|----------|--|---|

|  |   |
|--|---|
| Electives (if needed to reach 124 minimum hours) | 8 |
|--|---|

A grade of "C" or better is required for all courses used to complete a degree in Nutrition Sciences with a pre-health concentration. Please check requirements specific to the health field that you plan to enter.

|                    |                |
|--------------------|----------------|
| <b>Total Hours</b> | <b>124-134</b> |
|--------------------|----------------|

## Nutrition Sciences Minor

### Requirements for a Minor in Nutrition Sciences

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

**Required Courses**

Nineteen semester hours including the following:

|           |                              |   |
|-----------|------------------------------|---|
| NUTR 1401 | Introduction to Food Science | 4 |
| NUTR 2351 | Nutrition                    | 3 |

Select twelve semester hours from the following: 12

|           |   |  |
|-----------|---|--|
| NUTR 2380 | Intro to Food Delivery Systems            |  |
| NUTR 3351 | Nutrition Counseling and Education        |  |
| NUTR 3386 | Experimental Foods                        |  |
| NUTR 3388 | Introduction to Medical Nutrition Therapy |  |
| NUTR 3435 | Food Service Production                   |  |
| NUTR 4351 | Life Cycle Nutrition                      |  |
| NUTR 4352 | World Nutrition                           |  |
| NUTR 4386 | Nutrition for Sport and Fitness           |  |
| NUTR 4387 | Advanced Nutrition                        |  |
| NUTR 4388 | Medical Nutrition Therapy                 |  |

All prerequisites must be fulfilled.

A grade of C or better is required in all courses used in the minor.

|                    |           |
|--------------------|-----------|
| <b>Total Hours</b> | <b>19</b> |
|--------------------|-----------|

## Public Health

### Department of Public Health

The Department of Public Health is home to all accredited public health degree programs at the undergraduate and graduate levels that prepare students for public health practice and research. Our graduates promote health in local and global settings as they work in government-sponsored public health agencies, non-profit organizations, university and corporate wellness programs, and population health programs in healthcare settings. The undergraduate program includes a Bachelor of Science in Public Health (BSPH) degree and a joint degree that combines the BSPH with a Master of Public Health (MPH) in Community Health.

Students may only change their major to PUBH and be admitted into the PUBH program during the designated eligibility period, and only at the end of a full semester (fall or spring) through the 5th class day of the following term.

To change to PUBH, current Baylor students must meet the following criteria:

1. Meet the minimum GPA requirement:

\*Cumulative GPA of 2.75

- Bachelor of Science in Public Health (BSPH) (p. 408)
- BSPH/MPH in Community Health Education Joint Degree (p. 409)

## Public Health (PUBH)

### **PUBH 1145 Health and Human Behavior (1)**

The intent of this class is to explore a variety of health issues pertinent to the following topics: stress, mental/emotional health, aging, death, human sexuality, chemical use, nutrition, exercise, chronic and degenerative diseases, and infectious diseases.

### **PUBH 2313 Consumer Health (3)**

The basic principles involved in purchasing health goods and health services are presented. Topics include advertising, health insurance, selecting health professionals, and the use of health care agencies.

### **PUBH 2330 Introduction to Public and Population Health (3)**

Pre-requisite(s): Public Health major, minor or consent of instructor  
Introduces students to historical and theoretical foundations of community, public, and population health, social determinants of health and programs designed to address public health issues. The course is designed to cover the seven competency areas of an entry-level health education specialist and the foundational dimensions of public health. Professional preparation including career opportunities, mock interviews, and resume and cover letter writing are also included.

### **PUBH 2331 Health Concepts and Competencies (3)**

Pre-requisite(s): Public Health major, minor or consent of instructor  
PUBH 2330 or concurrent enrollment. History, philosophy, and ethics in the practice of health education. Development of skill in the seven areas of responsibility with emphasis on needs assessment, writing goals and objectives, and planning for effective health education programs in school and community settings.

### **PUBH 2332 Survey of Public Health - for NON MAJORS (3)**

This is an introductory course to public health for non-Public Health majors. The course will introduce students to the goals, principles, core functions, and essential services of public health. Students will learn about the social determinants of health and how they impact behavior-related health issues. The course will provide a general overview of the different public health eras and initiatives, with a focus on the disciplinary nature of the

### **PUBH 3313 Nutrition (3)**

Pre-requisite(s): Upper-level standing

A study of the fundamental, as well as relevant, current research and issues in nutrition in the United States and the world.

### **PUBH 3314 Environmental Health (3)**

A course designed for the study of environmental health hazards such as air, water, solid wastes, noise pollution, radiation, pesticides, food additives, metallic menaces, substandard housing, urban environment, and population dynamics. The role of conservation and governmental agencies concerned with pollution control is included in the course.

### **PUBH 3317 Mood-Modifying Substances (3)**

Analysis of major mood-modifying substances, including alcohol and tobacco, and also use and misuse of over-the-counter and prescription drugs. Many alternatives to chemical use and methods of effectively working with school-aged children will be addressed.

### **PUBH 3320 Stress Management/Mental-Emotional Health (3)**

Pre-requisite(s): Upper-level standing

To introduce students to the topic of stress and its impact on their lives; further, to develop behavioral skills in which to deal healthfully with the impact of a technological society. The second half of the class will devote itself to topics and activities that relate to feelings of positive self-worth and psychosomatic wellness.

### **PUBH 3325 Maternal and Infant Health (3)**

The purpose of this course is to provide students contextual insight into multilevel influences that shape current maternal and infant health outcomes. Students will improve their understanding of the historical basis for contemporary global and domestic approaches to prenatal care, childbirth, postpartum practices, as well as public policy.

### **PUBH 3331 Planning in Public and Community Health (3)**

Pre-requisite(s): Public Health major, minor

PUBH 2330 and 2331 Provides in-depth focus on program planning in health education that includes planning models and strategies. Experiential learning through a group writing project serves as the framework for each component of the program plan.

### **PUBH 3350 Human Physiology for Allied Health Professionals (3)**

Pre-requisite(s): A minimum grade of C in HP 1420

Survey of the function and interrelationship of body systems with emphasis on the homeostasis of these systems.

### **PUBH 3351 Epidemiology/Vital Statistics (3)**

An introductory epidemiology course for students interested in public health. Topics will include historical foundations, study designs, and organizing and analyzing epidemiologic data.

### **PUBH 4320 Men's Health and Wellness (3)**

Pre-requisite(s): Upper-level standing

Focuses on issues specific to men's overall health and wellness, concepts of multiple masculinities, men's body image and the portrayal of men in media. This course is available to men and women.

### **PUBH 4321 Human Sexuality (3)**

Pre-requisite(s): Upper-level standing

A health education course in which basic concepts of human sexuality are analyzed and discussed. The course is designed to help students better understand the influences that affect the complex nature of human interaction and to provide accurate information needed to help develop responsible decision making skills.

### **PUBH 4323 Professional Field Experiences in Health (3)**

Pre-requisite(s): Junior standing, twenty-one semester hours in health education courses and consent of the division director

Planned experiences in various community agencies including both public and voluntary health organizations.

### **PUBH 4327 Dying and Death Education (3)**

Pre-requisite(s): Upper-level standing

A course of death education designed to help students develop constructive attitudes, values, and practices. This experience will nurture an appreciation of the connection between life and death.

### **PUBH 4331 Intervention Design in Public and Community Health (3)**

Pre-requisite(s): Public Health major, minor or consent of instructor  
PUBH 2331 and 3331. Theories and methods used in designing culturally appropriate intervention in public and community health. A special emphasis is focused on social marketing techniques used to promote healthy behaviors and lifestyle changes.



**PUBH 4333 Evaluation in Public and Community Health (3)**

Pre-requisite(s): Public Health major, minor

PUBH 2330, 3331 and 4331. Focuses on process, impact, and outcome evaluation of public and community health interventions. Other skills covered include research design, data collection tools, quantitative methods, qualitative methods, data analysis, and data interpretation and visualization.

**PUBH 4340 Global Health (3)**

Overviews global health issues and the role of health education and public health worldwide.

**PUBH 4341 Cross-Cultural Health Communication (3)**

Overviews cross-cultural communication concepts/strategies used in health education to assess health needs and communicate health information. Designed for field-based international or local culture-specific settings.

**PUBH 4355 Human Diseases (3)**

Pre-requisite(s): A minimum grade of C in PUBH 3350

Basic principles of pathophysiology and mechanism of diseases affecting the human body, including basic principles of epidemiology with emphasis on the causation and effects of disease on human populations.

**PUBH 4V80 Professional Internship in Health (1-6)**

Pre-requisite(s): Senior standing, twenty-four semester hours in health education courses and consent of the division director

Designed to provide students with planned experiences with professionals in various health, allied health and/or community health settings including public, private, and health agencies.

# Bachelor of Science in Public Health (BSPH)

Mrs. Margo Shanks, Director

## B.S.P.H. Degree

| Code   | Title  | Hours |
|--|--|-------|
| <b>Requirements</b>  |  |       |
| Minimum Requirement  |  | (124) |
| Residence Requirement – minimum                                      |  | (60)  |
| Admission and Graduation Requirements – minimum overall GPA of 2.75. |  |       |
| No course may be taken pass-fail.                                    |  |       |
| <b>Basic Requirements</b>  |  |       |
| Chapel – two semesters   |  | 0     |
| ENG 2310<br>& ENG 1310<br>& PWR 3318                                 | American Literary Cultures<br>and Writing and Academic Inquiry<br>Seminars<br>and Professional & Workplace Writing | 9     |
| HIS 1300   | The United States in Global Perspective  | 3     |
| PSC 1387   | The U.S. Constitution, Its Interpretation,<br>and the American Political Experience                                | 3     |
| REL 1310   | The Christian Scriptures   | 3     |
| REL 1350   | The Christian Heritage   | 3     |
| CSS 1301<br>or CSS 1302  | Fundamentals of Public Communication<br>Speech for Business and Professional Students                              | 3     |
| <i>Contemporary Social Issues</i>                                    |  |       |
| SOC 1305   | Introduction to Sociology  | 3     |
| Select one course from the following:                                |  | 3     |

|   |   |     |
|---|---|-----|
| ANT 1305  | Introduction to Anthropology  |     |
| SOC 3355  | Introduction to the Economics of Poverty<br>and Discrimination  |     |
| SOC 4320  | Culture, Personality and Identity   |     |
| SOC 4309  | Social Psychology   |     |
| SOC 4325  | Sociology of Religion   |     |
| PSY 1305  | Psychological Science: Understanding<br>Human Behavior  | 3   |
| <i>Fine Arts and Performing Arts (One Course)</i>                             |   |     |
| Select 2-3 hours from the Fine Arts and Performing Arts<br>distribution list. |   | 2-3 |
| <i>Foreign Languages and Cultures</i>   |   |     |
| Second semester proficiency must be achieved.                                 |   | 3-8 |
| Select one course from the following:   |   | 3   |
| CSI 1430  | Introduction to Computer Science I with<br>Laboratory   |     |
| CSI 3303  | Information Technology  |     |
| BUS 1305  | Software Applications for Personal<br>Productivity  |     |
| <i>Mathematics</i>  |   |     |
| Select one course from the following:   |   | 3-4 |
| PSY 2402  | Statistics  |     |
| STA 1380  | Elementary Statistics   |     |
| STA 2381  | Introductory Statistical Methods  |     |
| SOC 3402  | Social Statistics   |     |
| 3 hrs "1000+" Math Elective <sup>1</sup>                                      |   | 3   |
| <i>Laboratory Science</i>   |   |     |
| HP 1420   | Human Anatomy   | 4   |
| BIO 1302<br>& BIO 1102<br>or BIO 4302<br>& BIO 4102                           | Introductory Microbiology<br>and Introductory Microbiology Laboratory<br>General Microbiology<br>and General Microbiology Lab | 4   |
| <i>Lifetime Fitness</i>   |   |     |
| LF 1134   | Fitness Theory and Practice   | 1   |
| Two Lifetime Fitness Electives  |   | 2   |
| <b>Major Requirements</b>   |   |     |
| <i>Public Health Required Courses</i>   |   |     |
| PUBH 1145   | Health and Human Behavior   | 1   |
| PUBH 2330   | Introduction to Public and Population<br>Health   | 3   |
| PUBH 2331   | Health Concepts and Competencies  | 3   |
| PUBH 3331   | Planning in Public and Community Health   | 3   |
| PUBH 3350   | Human Physiology for Allied Health<br>Professionals   | 3   |
| PUBH 3351   | Epidemiology/Vital Statistics   | 3   |
| PUBH 4331   | Intervention Design in Public and<br>Community Health   | 3   |
| PUBH 4333   | Evaluation in Public and Community Health   | 3   |
| PUBH 4340   | Global Health   | 3   |
| PUBH 4355   | Human Diseases  | 3   |
| <i>Public Health Restricted Electives</i>                                     |   |     |
| Select 12 semester hours from the following:                                  |   | 12  |
| PUBH 2313   | Consumer Health   |     |
| PUBH 3317   | Mood-Modifying Substances   |     |

|   |   |                |
|---|---|----------------|
| PUBH 3320   | Stress Management/Mental-Emotional Health                     |                |
| PUBH 3325   | Maternal and Infant Health                                    |                |
| PUBH 4320   | Men's Health and Wellness                                     |                |
| PUBH 4321   | Human Sexuality   |                |
| PUBH 4327   | Dying and Death Education                                     |                |
| PUBH 4341   | Cross-Cultural Health Communication                           |                |
| NUTR 3314   | Consumer Nutrition  |                |
| <i>Professional Field Experiences</i>               |   |                |
| Allowed only after completing PUBH required courses |   |                |
| PUBH 4V80   | Professional Internship in Health                             | 6              |
| <i>Restricted Electives</i>                         |   |                |
| Select six semester hours from the following:       |   | 6              |
| ANT 4360  | Anthropology of Religion                                      |                |
| BUS 3303  | Managerial Communications                                     |                |
| BIO 3330  | Medical Genetics  |                |
| ENV 2376  | Environment and Society                                       |                |
| ENV 4310  | World Food Problems   |                |
| MGT 4353  | Social Entrepreneurship and Economic Development              |                |
| MKT 3301  | Marketing Concepts  |                |
| MKT 3340  | Nonprofit Marketing   |                |
| PSY 3310  | Social Psychology   |                |
| PSY 4355  | Psychology and Aging  |                |
| PSY 3321  | Abnormal Psychology   |                |
| PSY 3341  | A Survey of Human Development                                 |                |
| MH 4300   | History of Medicine   |                |
| MH 4382   | U.S. Health Care System                                       |                |
| <i>Supporting Areas</i>                             |   |                |
| As needed to complete 124 hours                     |   | 14             |
| Recommendations: (to reach 124 minimum hours)       |   |                |
| RLS 4396  | Considerations for Diverse Populations in Leisure Programming |                |
| MGT 3301  | Managing People in Organizations                              |                |
| MKT 3340  | Nonprofit Marketing   |                |
| PSY 4312  | Behavioral Medicine   |                |
| SOC 3322  | City and Community  |                |
| or SOC 4381   | Methods of Social Research                                    |                |
| <b>Total Hours</b>                                  |   | <b>124-131</b> |

<sup>1</sup> MTH 1301 Ideas in Mathematics excluded

*Note: Students are advised that certain prerequisites may exist within supporting area and restricted electives. This may increase the total hours needed for graduation. It is the responsibility of the student to complete prerequisites or seek permission from instructors to enroll in classes requiring such prerequisites.*

## BSPH/MPH in Community Health Education Joint Degree

Dr. Beth A. Lanning and Mrs. Margo Shanks, Co-Directors

The BSPH/MPH in Public Health joint program is a 5-year program of study. This joint degree program enables qualified students to obtain a Bachelor of Science in Public Health and a Master of Public Health in Community Health in a minimum of five years of full-time study. All requirements for the BSPH and MPH must be met, and the degrees are awarded concurrently.

## Admission

Undergraduate students in the BSPH program can apply for the BSPH/MPH joint program at the end of their junior year. Applicants must be BSPH majors and have a GPA of 3.2 or higher prior to applying for the program. The applicants must obtain approval of the undergraduate BSPH advisor and program director, and the MPH program director and must be admitted under provisional status until they have completed at least one semester of graduate work. Students will also be required to take the GRE before being admitted into the program and meet all requirements for entry into the Baylor Graduate School as an MPH student. The BSPH degree will be awarded with the MPH upon completion of all degree requirements. Students who decide to withdraw or who do not maintain a 3.2 GPA will be allowed to finish the BSPH but will have admission to the graduate MPH program cancelled, and any graduate work completed will appear on the undergraduate transcript and will count on the bachelor's degree. These students will not be allowed to re-enter the joint degree program at a later date.

## Requirements

A maximum of 15 credits of course work (MPH-level courses) will count toward both degrees. These 15 credit hours include the following MPH courses, which are already embedded in the 42-credit hour MPH degree (see graduate catalog).

| Code      | Title  | Hours |
|-----------|--|-------|
| PUBH 5337 | Public Health Concepts in Epidemiology                 | 3     |
| PUBH 5350 | Assessment and Planning in Public and Community Health | 3     |
| PUBH 5360 | Evaluation in Public and Community Health              | 3     |
| PUBH 5V94 | Public Health Practicum (permission required)          | 3     |
| PUBH 5V90 | Public Health Internship (permission required)         | 6     |

Though other students in the MPH program have the option of completing a thesis instead of the final 400-hour internship, students in the joint program must complete the 400-hour internship to satisfy contact hour requirements from the national accrediting body for the undergraduate portion of the joint degree. Joint degree students are strongly encouraged to complete as many undergraduate courses as possible prior to beginning MPH courses and to take no more than one undergraduate course per semester while taking MPH courses. Students are encouraged to contact appropriate advisors in each program for further details.

## Louise Herrington School of Nursing Introduction

The Baylor School of Nursing was established in 1909 as a diploma program within the Baylor Hospital in Dallas, Texas, the predecessor of the present Baylor University Medical Center.

The Louise Herrington School of Nursing is among the oldest baccalaureate nursing programs in the United States. The first class of Bachelor of Science in Nursing students was admitted in 1947. In 1949, the School became one of 10 degree-granting schools and colleges at Baylor University.

The Louise Herrington School of Nursing is accredited by the Commission on Collegiate Nursing Education and approved by the Texas State Board of Nursing. A graduate of the program is academically qualified to write the National Council of State Boards of Nursing Licensure Examination (NCLEX-RN) in any state, and upon achieving a passing score on this examination, to be licensed as a registered nurse (R.N.) by the state.

The School of Nursing, is located on the Baylor University Medical Center campus a few blocks northeast of downtown Dallas.

There are approximately 500 undergraduate students enrolled in the nursing major on the Dallas campus. Students may complete all pre-nursing requirements at any regionally accredited institution and transfer directly into the nursing major on the Dallas campus.

## Program Overview

The Louise Herrington School of Nursing offers two pathways to the Bachelor of Science in Nursing (BSN) Degree.

### Traditional Track

This track (pre-nursing and nursing) is designed to be completed in four years - eight academic semesters. Prerequisite courses may be taken on the Baylor-Waco campus or at another college or university.

### FastBacc Track®

This track is an academically rigorous 12 month accelerated curriculum designed for individuals who have completed a bachelor's degree in a non-nursing discipline.

### Distance Accelerated BSN Track

This 12 month track is Low Residency, rigorous accelerated curriculum, designed for second degree students, who wish to complete their BSN with Online instruction, and clinicals managed with Preceptors.

## Admission

### Minimum Requirements

Students are officially admitted to the Traditional Track in the fall and spring semesters each year. Students are admitted into the FastBacc® Track each summer.

All entering freshman students who wish to study nursing will be required to register in the non-degree granting Pre-Nursing (PNU1) major. Students in the Pre-Nursing major must complete the HESI A2 exam achieving a grade of 80 or higher in the Math and Verbal Composite sections of the nursing admission exam before progressing into the Pre-Nursing (PNU2) major. The nursing admission exam may be repeated once a semester for a maximum of three times.

A student may remain in the PNU1 major for a maximum of three academic semesters. A student must be classified as a PNU2 student to apply for admission to the LHSON. A student may remain in the PNU2 major for a maximum of three academic semesters.

In order to declare the major of PNU2, a PNU1 student must meet the following lower division requirements:

1. Completion of at least two of the four required lower division science courses with a science GPA of 2.75 or greater.
2. Completion of NUR 1101 Introduction to the Art and Science of Nursing, New Student Experience with a grade of "C" or higher or successful completion of an equivalent course.
3. Completion of the HESI A2 Math and Verbal Composite sections of the nursing admission exam with a grade of 80 or higher in each category.
4. Cumulative GPA of 2.50 or higher.
5. Pre-nursing students may repeat a required lower division course only once.
6. Pre-nursing students may repeat no more than two required lower division courses.
7. Courses with a grade of "C" or higher may not be repeated to raise either the cumulative or pre-nursing GPA.

Students wishing to apply to the LHSON must be classified as a PNU2, Post-Baccalaureate, or Transfer student. Post-Baccalaureate and Transfer students are not required to complete a New Student Experience course. All applicants must meet the following admission criteria:

1. Applicants must be admitted to Baylor University or be Baylor University students in good standing with a minimum of 30 credit hours in residence.
2. Formal application to the School of Nursing is required. Applications, including both University and School of Nursing applications may be accessed on the School of Nursing website. Application deadlines for the Traditional Track are January 15 for fall admission and July 15 for spring admission. The deadline for FastBacc® Track admission is January 15.
3. Required lower division courses must be completed during the full academic semester prior to admission. Fall admission courses must be completed by the end of the preceding spring semester.
4. Students may be provisionally registered for the first semester classes pending official transcripts of required lower division courses. Students will not be allowed to register for future semesters if all official transcripts of required lower division work taken elsewhere are not on file with Baylor. See the Sample Curriculum Plans for the Traditional and FastBacc® tracks at the end of the nursing section for all course requirements.
5. A minimum grade of "C" (not "C-") is mandatory in each required lower division course. Students must achieve a minimum cumulative GPA of 3.0 on all completed required lower division courses. The overall cumulative GPA must be a 2.50 or higher for admission to the program. The science GPA must be 2.75 or higher for admission to the School of Nursing. Applicants may only repeat a required lower division course one time. Only the most recently completed course grade will count for admissions purposes. Students who fail the same required lower division course twice are not eligible to apply.
6. Applicants may only repeat a maximum of two required lower division courses.
7. The School of Nursing has adopted core performance standards for admission and progression within the major. The core performance standards identify behaviors which are essential to the responsibilities of a student nurse. These include, but are not limited to, psychomotor and sensory abilities, critical thinking, and communication skills. Students must sign the core performance document provided by the School of Nursing signifying that they are able to meet these standards and behaviors.

8. Students must complete the pre-admission criminal background check required by the Texas Board of Nursing prior to orientation and/or any participation in course activities at the School of Nursing. All students, prior to the beginning of their first clinical rotation, are required to complete an additional more in-depth background screen and to pass a drug screen as outlined in the Undergraduate Student Handbook. A positive drug screen and/or failure to clear either of the criminal background checks will prohibit the student from attending the school of nursing.
9. Students desiring to transfer from another School of Nursing are required to provide a letter of good standing from the former school of nursing in situations where nursing credits have been earned even though the student may not be seeking transfer credits from their previous course of study.
10. Regardless of the number of credit hours accepted for transfer, the 60 hour residency requirement must be met.
11. Nursing applicants are required to take the designated nurse admission examination as part of the application process. Minimum scores of 80 on each of the HESI A2 Math and Verbal Composite portions are required to be admitted to the nursing program. There is a fee associated with the required testing, and the HESI A2 exam may be taken once a semester with no more than three attempts to achieve the required scores on the exam.
12. Students for whom English is their second language are required to take the Test of English as a Foreign Language (TOEFL). Minimum scores for admission consideration are:  
Paper Based Test of 560,  
Computer Based Test of 220,  
Internet Based Test (iBT) of 83.
13. Acceptance to the School of Nursing is term specific. Students are not granted automatic deferment of acceptance. Due to the competitive nature of admission to the nursing program, future acceptance to the School of Nursing is not guaranteed.

For additional information regarding admission to the School of Nursing, contact:

Dallas Campus  
Louise Herrington School of Nursing  
Student Services  
333 N. Washington Ave  
Dallas, TX 75246  
Phone: 972-576-9100  
Fax: 972-576-9081

Waco Campus  
Pre-Nursing Office  
One Bear Place #97033  
Waco, TX 76798-7033  
Phone: 254-710-2226  
or 1-800-Baylor-U  
Fax: 254-710-2333

## Student Financial Aid

Students entering or enrolled in the School of Nursing may apply for financial assistance through the Student Financial Aid Office. A comprehensive program of financial aid is available that includes both academic-based and need-based scholarships, as well as grants, loans, and part-time employment. Financial aid information and applications are to be obtained from:

Baylor University Student Financial Aid Office  
One Bear Place #97028  
Waco, TX 76798-7028  
254-710-2611 or 1-800-Baylor-U

## University Nursing Scholarships

Abell-Hanger Foundation Endowed Scholarship Fund  
Jay and Jenny Allison Endowed Scholarship Fund in Nursing  
Martha and Russ Baker Endowed Scholarship Fund  
Dr. William P. Ball Nursing Scholarship  
Barnabas Endowed Scholarship Fund in Nursing  
Hattie McKee Bartee Memorial Scholarship Fund  
Baylor Scott & White Healthcare Endowed Scholarship Fund in Nursing  
C.E. and Gladys M. Bedwell Endowed Scholarship Fund in Nursing  
John C. and Meredith M. Bentley Endowed Scholarship Fund in Nursing  
Bledsoe-Brantley Endowed Nursing Scholarship Fund  
Olive Chaffee Boggs Memorial Trust  
Dave and Peggy Wilson Borders Endowed Scholarship Fund  
Angela Johnson Bowman Endowed Scholarship Fund in Nursing  
Ellen Stoesser Byrd Endowed Scholarship Fund in Nursing  
Carl and Cynthia Campo - Louise Herrington School of Nursing Endowed Scholarship Fund  
Carl and Rita Bonds Endowed Scholarship Fund in Nursing  
Welby and Eva Dodson Carlock/Louise Herrington School of Nursing Endowed Scholarship Fund  
Central Texas Baylor Nursing Alumni Club Endowed Scholarship Fund  
Amy Corinn Chesnutt Memorial Endowed Scholarship Fund in Nursing  
Harris and Anne Clark Endowed Scholarship Fund in Nursing  
Rosamond Seidel Clark and Betty E. Tilley Memorial Endowed Scholarship Fund in Nursing  
Tommy and Carol Walker Crumpton Endowed Scholarship Fund in Nursing  
Crutchfield Family Endowed Scholarship Fund in Nursing  
Cullen Trust for Higher Education Scholarship Fund  
D. M. Edwards Endowed Scholarship Fund in Nursing in Honor of Judge Abner V. and Mary Wilson McCall  
Ruth Bramlet Dillbeck Endowed School of Nursing Scholarship Fund  
Maxine Bozeman Dunn Excellence in Nursing Endowed Scholarship Fund  
Eastfield Community College Endowed Scholarship Fund in the Louise Herrington School of Nursing  
Weba C. Ferguson Scholarship Fund  
Zora Fiedler Endowed Scholarship Fund in Nursing  
Curt and Donna Dee Floyd Endowed Scholarship Fund in Nursing  
Helene Fuld Health Trust Scholarship Fund for Baccalaureate Nursing Students at the Baylor University Louise Herrington School of Nursing  
Lena Kohler Gaines Memorial Fund  
Lorraine M. Gentner Scholarship Fund  
Linda Shafer Gilbert and Sandra Shafer Oliver Endowed Scholarship Fund in Nursing  
Good Samaritan Endowed Scholarship Fund in Nursing Honoring Gaye and Bob Roberts, Sr. Christian Foundations of Faith, Inc.  
Meda D. and Arthur A. Grusendorf Scholarship Fund  
John J. and Lucinda "Cindy" S. Harmon Endowed Scholarship Fund in Nursing  
Dr. Dwight Ray Haywood and Mr. John Kaye Lonborg Memorial Endowed Scholarship Fund in Nursing  
Louise Herrington Endowed Scholarship Fund in Nursing  
Weldon B. and Nona Hunt Hicks Endowed Scholarship Fund in Nursing  
Hill Family Endowed Scholarship Fund in Nursing  
Patricia Ann Hooper Memorial Endowed Scholarship Fund  
Amy Shaw Jared and Ben Jared Family Endowed Nursing Scholarship in Memory of Kelton Jared (a Hord Challenge Scholarship)



Sue Morrison Jennings Endowed Scholarship Fund in Nursing  
 Mary Ellen Johnston Endowed Scholarship Fund  
 Patricia Johnston Memorial Nursing Scholarship Fund  
 Ethel Kern Memorial Endowed Scholarship Fund  
 Jean Ellen Jones Key Endowed Scholarship Fund in Nursing  
 Reba Landers Nursing Scholarship Fund  
 Laurie Kim Johnson Nielsen and Mark A. Nielsen Endowed Scholarship Fund at the Louise Herrington School of Nursing  
 William (Bill) and Marjory Leslie Endowed Scholarship Fund in Nursing  
 Elizabeth Locke Endowed Scholarship Fund in Nursing  
 Dr. Judy Wright Lott Endowed Scholarship Fund in Nursing  
 Louise Herrington School of Nursing Alumni Endowed Scholarship Fund  
 Louise Herrington School of Nursing Dean's Board Endowed Scholarship Fund in Nursing Honoring Dean Judy Wright Lott  
 Alecia Walker Mallett Endowed Scholarship Fund in Nursing  
 Michael Key Malone Endowed Scholarship Fund in Nursing  
 Mark and Patty Lovvorn Endowed Scholarship Fund in Nursing  
 May Marr Memorial Scholarship Fund  
 Megan Elizabeth Martin Endowed Scholarship Fund in Nursing  
 Peyton Colleen Martin Endowed Scholarship Fund in Nursing  
 Bruce McMillan, Jr. Memorial Endowed Nursing Scholarship Fund  
 Teresa McMorow Endowed Scholarship Fund in Nursing  
 Ginger Murchison Endowed Scholarship Fund in Nursing  
 Daisy N. Parsons Scholarship Fund  
 Kenneth Wayne Pittman Endowed Scholarship Fund in Nursing  
 Ruth Powell and Dixie Hogan Endowed Scholarship Fund in Nursing  
 Paul Earl Reinhart Memorial Endowed Scholarship Fund in Nursing  
 Patricia A. (Trish) Ring Memorial Endowed Nursing Scholarship  
 Russell B and Esther P. Rogers Endowed Scholarship Fund in Nursing  
 Lisa DeLoach Ross and Courtney Lee Ross Endowed Scholarship Fund in Nursing  
 Louise Josselyn Ross Nursing Scholarship Fund  
 Philipp and Kimberly Rossbach Endowed Scholarship Fund in Nursing in Memory of D. A. Weckwerth  
 Elline Rouse Memorial Endowed Scholarship Fund  
 School of Nursing Scholarship Fund  
 Martha Painter Sheeder Memorial Endowed Scholarship Fund in Nursing  
 Laura Dunham Shook Endowed Scholarship Fund  
 Imogene Smith Endowment Fund  
 Frances E. Snow Endowed Scholarship Fund in Nursing  
 David and Wanda Stovall Endowed Scholarship Fund in Nursing  
 Florence Piper and James D. Thieme Endowed Fund/Louise Herrington School of Nursing  
 Lillian Moore Turner Endowment Fund  
 Louise Janney Wade Memorial Scholarship Fund  
 Lois and Dexter Ward Endowed Scholarship Fund in Nursing  
 Donald A. Weckwerth Endowed Scholarship Fund in Nursing  
 Leroy and Merle Weir Scholarship Fund  
 Virginia Smith Wilks/Six Smith Sisters Endowed Scholarship Fund  
 Willis Family Endowed Scholarship Fund in Nursing  
 Donald H. Wills Endowed Nursing Scholarship Fund  
 Sue and Don Wills Endowed Scholarship Fund in Nursing  
 John Wesley and Doris Elizabeth Buice Wood Endowed Scholarship Fund in Nursing  
 Hugh E. Yates Endowed Academic Scholarship Fund in Nursing

## **Baylor University Medical Center Woman's Auxiliary Foree Scholarship**

A limited number of scholarships are available to students who are receiving other forms of financial aid. The application procedure is

coordinated between the Student Services Office and the Woman's Auxiliary.

## **Work-Study Employment**

Students employed by the University or School are limited to working twenty hours per week. Students who fail to meet the academic standards in the School of Nursing due to employment will receive no special consideration regardless of financial need.

## **Student Life, Services, and Facilities**

The regents, administration, and faculty of Baylor University believe that students should have comprehensive and varied opportunities for physical, intellectual, social, cultural, religious and emotional development. To this end a variety of services, activities and facilities is available to students.

## **Student Ministries**

The Student Ministries Office provides faith-based opportunities for students on the Dallas campus. Activities include Bible studies, local mission opportunities, retreats, and domestic and international mission trips.

The Office of Student Ministries is committed to providing a well-balanced program of ministry opportunities for all students on the Dallas campus. Students are involved in leadership at various levels throughout the program.

## **Professional Organizations**

All students enrolled in nursing courses are eligible for membership in the Baylor Student Nursing Association (BSNA), an affiliate of the national and state Nursing Students Associations. Nursing Christian Fellowship (NCF) is both a Christian professional, organization and a ministry of and for nurses and nursing students. NCF is a ministry of InterVarsity Christian Fellowship. Membership is open to all students at the School of Nursing. Information, qualifications, and application forms for any of the student organization are available in the Office of Student Services.

The School sponsors the Eta Gamma chapter of Sigma Theta Tau International nursing honor society. Qualified students are invited during their final semester for membership in Sigma Theta Tau International based upon criteria set forth by Sigma Theta Tau International.

## **Health Services**

ALL students in the School of Nursing are required to carry personal health insurance coverage. Health Insurance coverage is available through the sponsorship of Baylor University. A description of the Combined Insurance Company plan offered through Baylor University is available at <https://baylor.myahpcare.com>. The School of Nursing has a partnership to provide same-day appointments with a physicians' group at Baylor Scott and White Medical Center and Baylor University Medical Center for minor health problems. However, students are responsible for all health care costs incurred while a student at Baylor.

## **Counseling Services**

Various avenues for personal counseling services are available to students on the Dallas campus. The Director of Student Services and the Chaplain are available to provide limited counseling and/or referrals when needed or requested by the student. The School of Nursing contracts with a local counseling practice to provide services to students at no cost. These services are confidential and students may self-refer. The practice is comprehensive and can see students for a variety of reasons



including test anxiety stress, depression, relationship counseling, and eating disorders. All counselors are licensed professional counselors and professing Christians. Students may be seen by appointment as well as through on campus well-being seminars.

## Tom Landry Center

The Baylor Tom Landry Center located adjacent to the School of Nursing, provides a comprehensive fitness facility for students. Students taking a minimum of twelve semester hours are given a complimentary membership which entitles them to use this facility during certain designated hours of operation.

## Learning Resource Center

The Learning Resource Center (LRC) serves as the library for the Louise Herrington School of Nursing. Located in the Nursing School building at 333 Washington Avenue in Dallas, the LRC is open for twenty-four-hour study. Secure access is controlled by a Dallas-issued ID badge.

On weekdays, the LRC is staffed by a credentialed medical librarian. The librarian offers appointments with nursing students or faculty for intensive individual research sessions or consulting. Appointments may be in person, by telephone or electronically. Student workers are available to assist Nursing School users evenings and weekends. The LRC houses thousands of book and journal volumes and has access to more than 81 nursing journal titles in electronic or print format, as well as online access to all of Baylor University's Waco campus electronic resources. The LRC resources include citation and full text databases, e-books, reference material, printers, a full-color touch screen scanner, audiovisuals such as streaming videos, DVDs, CDs, models, kits, and clinical equipment. The LRC has computers for student use, study rooms, spaces for small group work, individual study areas, and spaces for relaxation. The LRC can obtain journal articles or books not owned by the university via a national network of health sciences libraries as well as through nonmedical library networks.

## Advisement

The Office of University Advisement and the Pre-nursing Coordinator on the Waco campus collaborate to advise students enrolled at Baylor as pre-nursing majors. The Academic Support Specialist for Academic Affairs will register all incoming students. All students are encouraged to meet with the Coordinators of Academic Success during their first semester at the School of Nursing to discuss academic progression in their courses. Students who may need to deviate from the standard nursing curriculum progression will receive an individualized program of study developed by the Academic Support Specialist for Academic Affairs.

## The Success Center

The Success Center within the Louise Herrington School of Nursing assists nursing students by providing academic support services and designated study spaces. The Center includes areas designed for individual and group study and also provides a private testing area for students requiring testing accommodations or for administration of make-up exams.

Academic referrals may be made to the Success Center; referred students are provided support and information regarding test taking skills, note taking skills, study skills, time management, stress management, goal setting and critical thinking. The staff of the Success Center coordinates free tutoring for nursing students.

## Career Planning

The Nursing School offers career services support including guidance in writing résumés and cover letters, preparing for interviews, and writing thank you letters. Students are encouraged to attend the various hospital presentations and recruiting events provided by the Coordinator of Career Services and Alumni Relations.

## Dining

The Tom A. and Suzanne P. Martin Café provides food and beverages for sale along with refrigerators and microwaves for personal food preparation. A variety of public restaurants are located within the immediate vicinity of campus. Students receive a discount on meals purchased at the Baylor University Medical Center (BUMC) cafeterias when they present their BUMC ID.

## Parking and Building Access

Parking on the Dallas Campus is by permit only. Parking stickers may be purchased from the Baylor University Medical Center Parking Services for \$50 per semester, and provide access to designated garage and lots. Baylor Police patrol the BUMC campus and provide building security. A security escort is available to students upon request. Emergency call boxes are stationed at a variety of locations within and around the perimeter of the medical center.

Entrance to the School of Nursing is controlled. BUMC issued badges allow access to the building and parking lot. Students are required to wear a BUMC ID.

## White Coat Ceremonies

Entering junior level students are welcomed into the profession of nursing with a ceremony prior to their clinical rotation in the fall, spring and summer semesters. In order to participate in the ceremony, students must have satisfactorily completed all requirements and be in good academic standing.

## Pinning Ceremonies

Graduating seniors are honored with a ceremony at the conclusion of the fall and spring semesters. In order to participate in the pinning ceremonies, students must have satisfactorily completed all requirements for the Bachelor of Science degree in nursing.

## Commencement Ceremonies

Graduation exercises are held on the Waco campus in May, August and December. Students are recognized during the commencement ceremony and graduating senior students are strongly encouraged to attend. Students must notify the University if they are not participating in their commencement ceremony.

No student may graduate until all degree requirements are complete and the necessary official records are in the Office of the Registrar. The University reserves the right to correct errors in records at any time. Diplomas are dated and available only as of the official closing date of a semester or full summer session.

## Academic Policies and Procedures

Progression in the major toward an anticipated date of graduation is contingent upon successful completion, with a grade of "C" (not "C-") or above, in **all** courses the first time attempted in a full-time or approved part-time plan of study.

Any student who does not achieve a grade of "C" (not "C-") or above in any nursing course and who plans to continue in the program must have a revised plan of study and new graduation date approved by the Associate Dean for Prelicensure programs within two weeks following the semester in which the deficiency was received.

In most instances, a student who must repeat a course will delay curriculum progression.

### Course Repetition in the Nursing Major

A grade of "C" (71.00) is required in all courses in the nursing major. If a student does not achieve a grade of "C" (71.00) or above in a nursing course, the course must be repeated the NEXT semester it is offered if space is available in the class unless written approval is received from the Associate Dean of Pre-licensure Program or Dean. A student may repeat one nursing course. A student who fails two or more nursing courses will not be eligible to continue in the major. The student may be eligible to continue studies in another major within the University.

### Drop/Withdrawal Policy

Students may enroll in a nursing course up to two times. Students enrolled in the undergraduate nursing program who previously withdrew, dropped, or failed a Nursing course may not subsequently withdraw from the same course. Nursing students have one opportunity to withdraw, drop or fail a nursing course. Students are required to complete pre-requisite courses prior to moving forward in the major. Students taking a nursing course previously withdrawn, dropped, or failed are required to earn a minimum of C or higher to pass the repeated nursing course. The second drop/withdrawal from a previously withdrawn nursing course constitutes a dismissal from the Program. Exceptions to this policy may be entertained due to extraordinary non-academic circumstances. Requests for exception to policy will be reviewed by the Associate Dean for the Pre-Licensure Program.

### Readmission Following Academic Dismissal

A student who was dismissed from the nursing program for academic reasons is not eligible for readmission for three (3) academic years. Readmission applications are processed through the Louise Herrington School of Nursing Student Services and are reviewed by the LHSON Undergraduate Academic Policies Committee. The readmission applicant must meet all admission requirements stated in the academic catalog that are current when the application is submitted. In addition to the readmission application, the applicant must submit current nursing entrance test scores, which supports the applicants' potential for success if readmitted. Readmission is to the beginning level of the nursing curriculum and is a highly selective process. Students who have been readmitted must pass all nursing courses attempted. Subsequent failure of any one course will result in permanent dismissal from the Louise Herrington School of Nursing.

### Continuation in the Major Following Interruption for Non-Academic Reasons

Former students in good standing who have withdrawn or taken a semester off due to non-academic reasons (health, pregnancy, family emergencies, financial, etc.) may be eligible to return to the School of Nursing the following semester. The student will need to meet with the Associate Dean for Prelicensure Programs to develop a degree plan for continuation in the major.

If a student requests a leave of absence due to a non-academic reason and this leave exceeds one year from the date of withdrawal, a competency evaluation will need to be scheduled with the Academic

Support Specialist - Academic Affairs. Reentry to the program is contingent on meeting the following requirements: Successful completion of a health assessment exam, CPE skills, and satisfactory conversion score of no less than 71% on the applicable HESI specialty exam(s) as determined by the Associate Dean for Prelicensure Programs. Cost of HESI specialty exam(s) will be at the student's expense. Students re-entering the program after a lapse of one semester or greater must also successfully complete background and drug screening.

### Professional Responsibility/Code of Ethics

Throughout the entire course of study in the School of Nursing, students are reminded that they are studying to become a member of an honored profession and of the responsibility that such membership entails. The ethical standards of conduct of the professional nurse as a member of a service profession in a self-governing society are upheld in a manner consistent with the purposes of a Christian university.

Within the academic and clinical settings, professional nursing students must;

1. Adhere to the American Nurses Association Code of Ethics.
2. Uphold all academic and clinical institutional policies related to academic and clinical performance, reserving the right to appeal using the procedure outlined in the Baylor University Honor Code.
3. Actively promote the highest level of moral and ethical principles and accept responsibility and accountability for their actions.
4. Treat others with respect and promote an environment that respects human rights, values, cultural and spiritual beliefs.
5. Maintain client confidentiality.
6. Communicate the care for clients in a truthful, timely and accurate manner.

### Cardiopulmonary Resuscitation (CPR) Certification

Students must be certified/recertified in the American Heart Association (AHA) Basic Life Support Course C for Healthcare Provider (BCLS) prior to the first day of the clinical class in each semester. A course will be offered for students during Orientation and upon exiting the program. There is a fee associated with each BCLS course. We strongly recommend students take the course at the time they enter the program to remain current throughout their academic attendance. Certification must stay current throughout any given semester. No student will be allowed in the clinical setting until fulfillment of this requirement is documented.

### Immunizations

Prior to attending clinical, all students must provide documentation of a current TB test (Option 1: QuantiFeron Gold, IGRA or T-Spot blood test; Option 2: Two rounds of TB skin testing within 3 weeks of each other). Students with a positive TB test must provide documentation of positive TB screen along with a chest x-ray report. In addition, students must provide documentation indicating they have received the following immunizations: Hepatitis B (3 part series), MMR (2 part series), Tdap and Varicella (2 part series). A titer confirming immunity may be substituted for proof of immunization for Hep B, MMR, and Varicella. No student will be allowed in the clinical setting until fulfillment of this requirement is documented. The full Hep B series of three immunizations must be completed prior to orientation. Students applying to any nursing school should begin the Hep B series at least 6-9 months prior to anticipated start date as the full course requires 6 months to complete. Annual flu immunization is required each year. Deadlines vary by season. Students

are required to be in compliance by established deadlines to attend clinical practicum.

## Personal Health Coverage

All students in the School of Nursing are required to carry personal health insurance coverage in order to attend clinical. Health Insurance coverage is available through the sponsorship of Baylor University. A description of the Combined Insurance Company plan offered through Baylor University is available at <https://baylor.myahpcare.com>. Health coverage must be maintained throughout the nursing program.

## Latex Allergy

Students may be exposed to products containing latex in the clinical environment and should carefully consider this personal risk if they have a history of latex allergy. Students are advised to discuss any concerns with their health care provider before beginning nursing classes.

## OSHA Guidelines

All students are expected to adhere to the School of Nursing OSHA guidelines as well as the guidelines of any institution in which they have a clinical rotation.

## Professional Liability Insurance

Each year the Louise Herrington School of Nursing makes arrangements with an insurance company to provide professional liability insurance for nursing students. Questions concerning coverage may be addressed to the insurance agency from which Baylor obtains the insurance.

## Employment Outside of the University

Students are strongly advised that work hours should not exceed 24 hours per week. Students who fail to meet the academic standards in the School of Nursing due to employment will receive no special consideration regardless of financial need. Students employed by clinical agencies should be aware that neither the University nor the School of Nursing assumes any responsibility for their activities as employees of an agency.

## Professional Licensure

### Licensing Examination for State Registration

During the semester prior to graduation, students will complete an application for the National Council for Licensing Examination (NCLEX-RN) and an application to the Board of Nursing in the state in which they are seeking licensure. There is a fee for the NCLEX-RN application and for licensure by the various state boards. (Board application fees vary by state.) The Academic Affairs Office assists students in the application procedure but assumes no responsibility for late or incorrect applications.

Successful completion of the nursing program does not guarantee successful passage of the licensing examination. In addition, the Texas State Board of Nursing may refuse an applicant permission to write the exam for reasons cited in "Texas Statutes Regulating the Practice of Professional Nursing."

### Licensure as a Registered Nurse

Several requirements must be met before a student is eligible for licensure. Students must submit verification of completion of all requirements for graduation from an approved nursing education program. In addition, all individuals seeking licensure as a registered nurse in the State of Texas must submit, along with a fee required by the board, a complete and legible set of fingerprints on a Board approved

form for the purpose of obtaining a criminal history from the Texas Department of Public Safety and the Federal Bureau of Investigations.

All convictions, guilty pleas and nolo contendere pleas must be reported, except for minor traffic violations not related to the use of drugs or alcohol. This includes misdemeanors, felonies, "driving while intoxicated (DWI)" and "driving under the influence (DUI)." Crimes must be reported even if they are a suspended imposition of a sentence. All prior or current disciplinary action against another professional license must be reported, whether it occurred in Texas or in another state or country. All pending charges must be reported to the Board.

Applicants must file a "Petition for Declaratory Order" to declare prior criminal record and disciplinary actions. Forms and instructions are available on the website for the Texas State Board of Nursing: <https://www.bon.texas.gov>.

## School of Nursing Faculty

| Name                    | Title                                       |
|-------------------------|---|
| Linda S. Plank, Ph.D.   | Dean of Nursing                             |
| Alona Angosta, Ph.D.    | Associate Dean for Scholarship and Research |
| Marie Lindley, Ph.D.    | Associate Dean for Academic Affairs         |
| Deborah Petty, D.N.P.   | Associate Dean for Faculty Affairs          |
| Deborah Shirley, D.N.P. | Associate Dean for Online Graduate Programs |
| Stacia Hays, D.N.P.     | Associate Dean for Online Graduate Programs |
| Karen Cotter, Ph.D.     | Associate Dean for Prelicensure Programs    |
| Lisa M. Jones, D.N.P.   | Associate Dean for Prelicensure Programs    |
| Jamie Quinn, M.S.I.S.   | Director of Learning Resources Center       |

## Faculty

Annie Abraham, D.N.P.  
 Andrea Alexander, M.S.N.  
 Becky Althaus, Ph.D.  
 Amy Anderson, D.N.P.  
 Andrea Archer, D.N.P.  
 Adaorah Azotam, D.N.P.  
 Brooke Barr, D.N.P.  
 Katy Bartlett, M.S.N.  
 Dora Bradley, Ph.D.  
 Courtney Brandt, D.N.P.  
 Brandy Brown, D.N.P.  
 Robin Caldwell, Ph.D.  
 Ashley Calberley, M.S.N.  
 Cheryl Carlson, Ph.D.  
 Halli Carr, D.N.P.  
 Mirlande Ciprien, M.S.N.  
 Jamie Coley, Ed.D.  
 Adrienne Duvall, D.N.P.  
 Janice Edmonson, D.N.P.  
 Griselle Estrada, M.S.N.  
 Renee' Flippo, D.N.P.  
 Tiffany Flood, D.N.P.  
 Emily Fondren, D.N.P.  
 Shelby Garner, Ph.D.  
 Brandi Garrett, M.S.N.  
 Amy Giles, D.N.P.  
 Kari Guffey, D.N.P.

Marie Hastings-Tolsma, Ph.D.  
 Jennifer Hensley, Ed.D.  
 Melissa Hollis, M.S.N.  
 Karen S. Holub, M.S.  
 Ethany Howden, D.N.P.  
 Beth Hultquist, Ph.D.  
 Michelle Jamison, D.N.P.  
 Jennifer Jones, D.N.P.  
 Reneé Jones, D.N.P.  
 Kara Jones-Schubart, D.N.P.  
 Nan Ketcham, M.S.N.  
 Erin Killingsworth, Ph.D.  
 Marion Kopulos, Ph.D.  
 Marie Lindley, Ph.D.  
 Shirley Marion, D.N.P.  
 Rebecca Meraz, Ph.D.  
 Amee Moreno, D.N.P.  
 Jessica Muncey, M.S.N.  
 Melissa M. Neathery, Ph.D.  
 Angelina Nguyen, Ph.D.  
 Christine Oliver, M.S.N.  
 Kathryn A. Osteen, Ph.D.  
 Jessica Peck, D.N.P.  
 Elizabeth Perry-Caldwell, Ph.D.  
 Renea Powell, D.N.P.  
 Lyn Prater, Ph.D.  
 Jane Price, M.S.N.  
 Rebecca Puchkors, M.S.N.  
 Cheryl A. Riley, D.N.P.  
 Libby Rosonet, M.S.N.  
 Kelly Rossler, Ph.D.  
 Carol Rukobo, M.S.N.  
 Andrea Shepherd, D.N.P.  
 Meagan Soltwisch, D.N.P.  
 Lori A. Spies, Ph.D.  
 Jaclyn Standing, D.N.P.  
 Angela Stewart, D.N.P.  
 Emily Sundeen, D.N.P.  
 Cheryl A. Tucker, D.N.P.  
 Katy Vogelaar, D.N.P.  
 Breanne Wilburn, D.N.P.  
 Laura Zebreski, M.S.N.

## Emeritus Faculty

Martha Bradshaw, Ph.D.  
 Elizabeth A. Farren, Ph.D.  
 Linda F. Garner, Ph.D.  
 Sandra J. Genrich, Ph.D.  
 Johanna Guenther, Ph.D.  
 Pauline T. Johnson, Ph.D.  
 Phyllis S. Karns, Ph.D.  
 Judy Wright Lott, D.S.N.  
 Alice B. Pappas, Ph.D.  
 Martha Sanford, Ph.D.

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# Curriculum

## Curriculum

### Philosophy

The faculty of the Louise Herrington School of Nursing believes in the philosophy, the Christian mission, and the goals of Baylor University and, in harmony with these, provides an environment in which the nursing student may grow in professional competence and Christian spirit.

The faculty believes nursing is a service to humanity and is motivated by love for God and society. A commitment to this belief provides a foundation for teaching and learning in the School of Nursing.

The faculty believes the aim of undergraduate and graduate education in nursing is to provide an opportunity for personal and professional development. Professional education includes a study of the arts, sciences and humanities and enhanced in a Christian setting beginning at the baccalaureate level. The faculty believes that baccalaureate education in nursing is the basis for professional practice as a nurse generalist and should be equally accessible to generic students and to other students who have previous formal educational experience in nursing. The nurse generalist has the knowledge, skills, and competencies necessary for assuming the responsibility of entry-level professional nursing positions and for graduate study in nursing.

The faculty believes specialization occurs at a graduate level of education in the refinement of existing skills, expansion of knowledge, and development of competencies in a specific area of nursing practice. The faculty believes that individuals learn in a variety of ways. Learning is a life-long process built upon previous knowledge and experience. Learning occurs in a variety of situations and settings and should become self-directed over time. Knowledge acquisition, critical inquiry, reflection and decision-making prepare learners to respond to issues that confront them as professionals.

The faculty believes that effective teaching employs a variety of strategies to foster independence, critical thinking, and self-discovery. The teacher as a facilitator strives to be innovative and flexible in planning, implementing, and evaluating educational experiences consistent with curriculum goals and objectives. The teacher as a scholar participates in endeavors to acquire, create, and use new knowledge. As members of the academic community, the faculty recognizes that its professional role includes formal teaching, scholarly pursuits, and community service.

The faculty believes the individual, in constant interaction with the changing environment, responds as a unified whole to life situations. In addition, the individual impacts the environment and his/her own welfare through a personal relationship with the Creator. As an integral part of a family, group or community the individual affects, and is affected by both culture and society.

The faculty believes that health is a basic human condition which is uniquely perceived by individuals and groups. Health is a dynamic state of human functioning wherein clients exist with varying degrees of wellness and illness. The higher the level of human need fulfillment, the more optimal the state of wellness for the client. Individuals have the right to pursue that level of health perceived by them to be optimal, taking into account their social and cultural definitions of health. The level of health that individuals can attain is influenced by the levels of health of



families and communities of which they are a part and with whom they coexist.

The faculty believes that professional nursing is the caring for individuals, families, groups, communities, and society through the diagnosis and treatment of the responses to actual or potential threats to health and through facilitating human need fulfillment. Professional nursing is a practice discipline which has evolved from a rich, unique heritage. It encompasses the arts, sciences, ethics, and politics. Nursing has a dynamic body of knowledge based on nursing research and on the application of theories and concepts from the physical and behavioral sciences and the humanities. Professional nursing utilizes the nursing process in a caring, interactive manner to promote optimal wellness. Through a variety of roles, professional nursing contributes to the improvement of health care services to society.

## Purposes

1. Provide graduates with a Christian foundation for continued personal and professional growth.
2. Prepare beginning nurse generalists who can provide professional nursing care based on bio-psychosocial-spiritual theories and principles to individuals, families, groups, communities, and society in a variety of settings.
3. Prepare a practitioner to assume the responsibilities of a professional person in contemporary society.
4. Provide a foundation for graduate study in nursing.

## Program Outcomes

The curriculum is designed to provide learning experiences that will prepare the graduates to:

1. Synthesize liberal education and Christian principles in safe, compassionate professional nursing care.
2. Practice as a professional nurse to facilitate human need fulfillment of individuals, families, groups, communities and populations across the lifespan in a variety of healthcare settings.
3. Utilize the human needs framework and current evidence as a basis for professional nursing practice.
4. Utilize information management systems to deliver, evaluate, and improve the safety and effectiveness of patient care.
5. Demonstrate effective communication, collaboration, and care coordination as a member of the inter-professional health care team to improve health outcomes.
6. Demonstrate professional, ethical, moral, legal, and spiritual concepts into one's practice within a global environment.
7. Synthesize leadership and management strategies in the delivery of health promotion and disease prevention at the individual and population level.
8. Demonstrate understanding of healthcare policy, finance, and regulatory standards on quality outcomes and nursing practice.

## Traditional Track, B.S.N. Sample Curriculum Plan – Traditional Track

| Course  | Title  | Hours     |
|---|--|-----------|
| <b>Freshman Year</b>  |  |           |
| <b>First Semester</b>   |  |           |
| <b>Pre-Nursing - Waco Campus <sup>1</sup></b>                   |  |           |
| Select one course from the following:                           |  | 3         |
| ENG 1310  | Writing and Academic Inquiry Seminars  |           |
| ENG 2310  | American Literary Cultures <sup>2</sup>  |           |
| CHE 1300  | Introductory Chemistry   | 3         |
| CHE 1100  | Introductory Chemistry Laboratory  | 1         |
| NUR 1101  | Introduction to the Art and Science of Nursing                                   | 1         |
| REL 1310  | The Christian Scriptures   | 3         |
| Foreign Language, Communication & Media, Fine Arts <sup>3</sup> |  | 3         |
| CHA 1088  | Chapel with Contemporary Worship   | 0         |
| <b>Hours</b>  |  | <b>14</b> |
| <b>Second Semester</b>  |  |           |
| Select one course from the following:                           |  | 3         |
| ENG 1310  | Writing and Academic Inquiry Seminars  |           |
| ENG 2310  | American Literary Cultures <sup>2</sup>  |           |
| BIO Requirement <sup>4</sup>                                    |  | 4         |
| PSY 1305  | Psychological Science: Understanding Human Behavior                              | 3         |
| History Elective - Select one of the following: <sup>5</sup>    |  | 3         |
| HIS 1300  | The United States in Global Perspective  |           |
| HIS 1305  | World History to 1500  |           |
| HIS 1307  | World History since 1500   |           |
| HIS 1365  | United States History to 1877  |           |
| HIS 1366  | United States History since 1877   |           |
| Foreign Language, Communication & Media, Fine Arts              |  | 3         |
| CHA 1088  | Chapel with Contemporary Worship   | 0         |
| <b>Hours</b>  |  | <b>16</b> |
| <b>Sophomore Year</b>   |  |           |
| <b>First Semester</b>   |  |           |
| ENG 23XX  | Literature Elective <sup>6</sup>   | 3         |
| BIO Requirement <sup>4</sup>                                    |  | 4         |
| REL 1350  | The Christian Heritage   | 3         |
| NUTR 2351   | Nutrition  | 3         |
| SOC 1305  | Introduction to Sociology  | 3         |
| <b>Hours</b>  |  | <b>16</b> |
| <b>Second Semester</b>  |  |           |
| STA 1380  | Elementary Statistics <sup>7</sup>   | 3         |
| BIO Requirement <sup>4</sup>                                    |  | 4         |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3         |
| PSY 3341  | A Survey of Human Development <sup>8</sup>                                       | 3         |
| <b>Hours</b>  |  | <b>13</b> |



**Junior Year****First Semester****Nursing Major - Dallas Campus**

|              |   |           |
|--------------|---|-----------|
| NUR 3200     | Professional Nursing Practice: Introduction to Professional Nursing | 2         |
| NUR 3212     | Professional Development: Foundations for Practice                  | 2         |
| NUR 3330     | Introduction to Professional Nursing Practice                       | 3         |
| NUR 3314     | Health Assessment   | 3         |
| NUR 3316     | Human Needs I   | 3         |
| NUR 3420     | Pathophysiology and Pharmacology I                                  | 4         |
| <b>Hours</b> |   | <b>17</b> |

**Second Semester**

|              |   |           |
|--------------|---|-----------|
| NUR 3225     | Professional Nursing Practice: Care of the Patient with Medical Surgical Need | 2         |
| NUR 3226     | Professional Nursing Practice: Care of the Patient with Mental Health Needs   | 2         |
| NUR 3317     | Human Needs II  | 3         |
| NUR 3324     | The Maturing Family   | 3         |
| NUR 3328     | Mental Health Nursing: Individuals, Groups, and Family                        | 3         |
| NUR 3421     | Pathophysiology and Pharmacology II   | 4         |
| <b>Hours</b> |   | <b>17</b> |

**Senior Year****First Semester**

|              |  |           |
|--------------|--|-----------|
| NUR 4225     | Professional Nursing Practice: Care of the Childbearing Family | 2         |
| NUR 4226     | Professional Nursing Practice: Care of the Childrearing Family | 2         |
| NUR 4334     | The Childbearing Family  | 3         |
| NUR 4339     | The Childrearing Family  | 3         |
| NUR 4341     | Nursing Professional Development: Leadership and Management    | 3         |
| NUR 4351     | Professional Development: A Consumer of Research               | 3         |
| <b>Hours</b> |  | <b>16</b> |

**Second Semester**

|                    |   |            |
|--------------------|---|------------|
| NUR 4335           | Professional Nursing Practice: Transition to Practice         | 3          |
| NUR 4338           | Analysis and Synthesis of Complex Human Needs                 | 3          |
| NUR 4345           | Professional Nursing Practice: Population Health Nursing      | 3          |
| NUR 4353           | Community and Culture   | 3          |
| NUR 43XX           | Nursing Elective (see catalog for individual course listings) | 3          |
| <b>Hours</b>       |   | <b>15</b>  |
| <b>Total Hours</b> |   | <b>124</b> |

<sup>1</sup> Students are responsible for completion of approved general education courses in the regular semester prior to beginning classes at the School of Nursing. In other words, completion of pre-requisite classes for students beginning nursing courses in the fall semester must be

completed in the spring prior to beginning classes or during the fall semester for January entry into the nursing program.

<sup>2</sup> ENG 1302 Thinking and Writing will be accepted as dual credit or transfer credit only. BU Freshmen will take ENG 1310 Writing and Academic Inquiry Seminars and ENG 2310 American Literary Cultures.

<sup>3</sup> Students must complete one of the following options. Students must take a foreign language through second level proficiency. **Or** students must complete one Communications & Media Literacy Course and one Fine Arts Course. Complete list of acceptable courses may be found through the College of Arts & Sciences Core Curriculum website, or by consulting your Degree Audit.

<sup>4</sup> BIO Requirements are the BIO 2401 Human Anatomy and Physiology of Motion and Innervation, BIO 2402 Human Anatomy and Physiology of Metabolism and Processing, and BIO 1302 Introductory Microbiology/BIO 1102 Introductory Microbiology Laboratory courses. These will be assigned by your advisor to ensure all students are able to complete the sequence in a timely fashion. If students do not register as assigned, they may be dropped from the courses and placed into the assigned course that may not be the original class day or time.

<sup>5</sup> HIS 1300 The United States in Global Perspective is preferred.

<sup>6</sup> The choices of literature include ENG 2301 British Literature and ENG 2306 World Literature.

<sup>7</sup> May be in a discipline other than mathematics if the course is judged as equivalent to STA 1380 Elementary Statistics at Baylor.

<sup>8</sup> Course must cover entire life span.

**FastBacc® Track, B.S.N.****Sample Curriculum Plan - FastBacc® Track****Summer Term Minimester**

| Course                        | Title  | Hours    |
|-------------------------------|--|----------|
| <b>Summer Term Minimester</b> |  |          |
| NUR 3212                      | Professional Development: Foundations for Practice | 2        |
| NUR 3314                      | Health Assessment                                  | 3        |
| <b>Hours</b>                  |  | <b>5</b> |

**Summer Semester 1 and 2**

|              |   |           |
|--------------|---|-----------|
| NUR 3200     | Professional Nursing Practice: Introduction to Professional Nursing | 2         |
| NUR 3330     | Introduction to Professional Nursing Practice                       | 3         |
| NUR 3316     | Human Needs I   | 3         |
| NUR 3324     | The Maturing Family   | 3         |
| NUR 3420     | Pathophysiology and Pharmacology I                                  | 4         |
| <b>Hours</b> |   | <b>15</b> |

**Fall Semester**

|          |   |   |
|----------|---|---|
| NUR 3225 | Professional Nursing Practice: Care of the Patient with Medical Surgical Need | 2 |
| NUR 3226 | Professional Nursing Practice: Care of the Patient with Mental Health Needs   | 2 |
| NUR 3317 | Human Needs II  | 3 |
| NUR 3328 | Mental Health Nursing: Individuals, Groups, and Family                        | 3 |
| NUR 3421 | Pathophysiology and Pharmacology II   | 4 |

|          |  |   |
|----------|--|---|
| NUR 4345 | Professional Nursing Practice: Population Health Nursing | 3 |
| NUR 4351 | Professional Development: A Consumer of Research         | 3 |
| NUR 4353 | Community and Culture                                    | 3 |

**Hours** **23**

#### Spring Semester

|          |  |   |
|----------|--|---|
| NUR 4225 | Professional Nursing Practice: Care of the Childbearing Family | 2 |
| NUR 4226 | Professional Nursing Practice: Care of the Childrearing Family | 2 |
| NUR 4334 | The Childbearing Family  | 3 |
| NUR 4335 | Professional Nursing Practice: Transition to Practice          | 3 |
| NUR 4338 | Analysis and Synthesis of Complex Human Needs                  | 3 |
| NUR 4339 | The Childrearing Family  | 3 |
| NUR 4341 | Nursing Professional Development: Leadership and Management    | 3 |

**Hours** **19**

**Total Hours** **62**

## Distance Accelerated BSN Track

### Sample Curriculum Plan – Distance Accelerated BSN Track

| Course             | Title   | Hours |
|--------------------|---|-------|
| <b>Trimester 1</b> |   |       |
| NUR 3212           | Professional Development: Foundations for Practice                  | 2     |
| NUR 3314           | Health Assessment   | 3     |
| NUR 3330           | Introduction to Professional Nursing Practice                       | 3     |
| NUR 3200           | Professional Nursing Practice: Introduction to Professional Nursing | 2     |
| NUR 3420           | Pathophysiology and Pharmacology I                                  | 4     |
| NUR 3316           | Human Needs I   | 3     |
| NUR 3324           | The Maturing Family   | 3     |

**Hours** **20**

#### Trimester 2

|          |   |   |
|----------|---|---|
| NUR 3226 | Professional Nursing Practice: Care of the Patient with Mental Health Needs   | 2 |
| NUR 3225 | Professional Nursing Practice: Care of the Patient with Medical Surgical Need | 2 |
| NUR 3317 | Human Needs II  | 3 |
| NUR 3328 | Mental Health Nursing: Individuals, Groups, and Family                        | 3 |
| NUR 3421 | Pathophysiology and Pharmacology II   | 4 |
| NUR 4353 | Community and Culture   | 3 |
| NUR 4351 | Professional Development: A Consumer of Research                              | 3 |
| NUR 4345 | Professional Nursing Practice: Population Health Nursing                      | 3 |

**Hours** **23**

#### Trimester 3

|          |  |   |
|----------|--|---|
| NUR 4225 | Professional Nursing Practice: Care of the Childbearing Family | 2 |
| NUR 4335 | Professional Nursing Practice: Transition to Practice          | 3 |
| NUR 4226 | Professional Nursing Practice: Care of the Childrearing Family | 2 |
| NUR 4338 | Analysis and Synthesis of Complex Human Needs                  | 3 |
| NUR 4334 | The Childbearing Family  | 3 |
| NUR 4339 | The Childrearing Family  | 3 |
| NUR 4341 | Nursing Professional Development: Leadership and Management    | 3 |

**Hours** **19**

**Total Hours** **62**

## Sample Curriculum Plan – Accelerated January Start

Most students have at least 9 hours of dual credit or AP placement; most commonly students will have ENG 1302 Thinking and Writing, CHE 1300 Introductory Chemistry, SOC 1305 Introduction to Sociology, or STA 1380 Elementary Statistics. Summer enrollment may be used to increase credit hour earnings needed for accelerated January start.

| Course   | Title  | Hours     |
|--|--|-----------|
| <b>Fall Semester</b>                                   |  |           |
| <b>Pre-Nursing - Waco Campus <sup>1</sup></b>          |  |           |
| ENG 1310   | Writing and Academic Inquiry Seminars <sup>2</sup>           | 3         |
| Select one of the following:                           |  | 4         |
| CHE 1300 & CHE 1100                                    | Introductory Chemistry and Introductory Chemistry Laboratory |           |
| BIO Requirement  |  |           |
| NUR 1101   | Introduction to the Art and Science of Nursing               | 1         |
| STA 1380   | Elementary Statistics <sup>3</sup>                           | 3         |
| PSY 1305   | Psychological Science: Understanding Human Behavior          | 3         |
| Foreign Language, Comm & Media, Fine Arts <sup>4</sup> |  | 3         |
| REL 1310   | The Christian Scriptures                                     | 3         |
| CHA 1088   | Chapel with Contemporary Worship                             | 0         |
| <b>Hours</b>   |  | <b>20</b> |

#### Spring Semester

|  |  |   |
|--|--|---|
| ENG 1310   | Writing and Academic Inquiry Seminars <sup>2</sup>                               | 3 |
| BIO 2401   | Human Anatomy and Physiology of Motion and Innervation                           | 4 |
| PSY 3341   | A Survey of Human Development <sup>5</sup>                                       | 3 |
| HIS XXXX   | Elective <sup>6</sup>  | 3 |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3 |
| Foreign Language, Comm & Media, Fine Arts <sup>4</sup> |  | 3 |
| CHA 1088   | Chapel with Contemporary Worship   | 0 |

**Hours** **19**

**Sophomore Year****Fall Semester****Waco Campus/Transition to Dallas Campus**

|                  |                                  |           |
|------------------|----------------------------------|-----------|
| ENG 23XX         | Literature Elective <sup>7</sup> | 3         |
| BIO <sup>8</sup> |                                  | 4         |
| BIO <sup>8</sup> |                                  | 4         |
| REL 1350         | The Christian Heritage           | 3         |
| NUTR 2351        | Nutrition                        | 3         |
| SOC 1305         | Introduction to Sociology        | 3         |
| <b>Hours</b>     |                                  | <b>20</b> |

**Spring Semester**

|              |   |           |
|--------------|---|-----------|
| NUR 3200     | Professional Nursing Practice: Introduction to Professional Nursing | 2         |
| NUR 3212     | Professional Development: Foundations for Practice                  | 2         |
| NUR 3314     | Health Assessment   | 3         |
| NUR 3316     | Human Needs I   | 3         |
| NUR 3330     | Introduction to Professional Nursing Practice                       | 3         |
| NUR 3420     | Pathophysiology and Pharmacology I                                  | 4         |
| <b>Hours</b> |   | <b>17</b> |

**Junior Year****Fall Semester****Dallas Campus**

|              |   |           |
|--------------|---|-----------|
| NUR 3225     | Professional Nursing Practice: Care of the Patient with Medical Surgical Need | 2         |
| NUR 3226     | Professional Nursing Practice: Care of the Patient with Mental Health Needs   | 2         |
| NUR 3317     | Human Needs II  | 3         |
| NUR 3324     | The Maturing Family   | 3         |
| NUR 3328     | Mental Health Nursing: Individuals, Groups, and Family                        | 3         |
| NUR 3421     | Pathophysiology and Pharmacology II   | 4         |
| <b>Hours</b> |   | <b>17</b> |

**Spring Semester**

|              |  |           |
|--------------|--|-----------|
| NUR 4225     | Professional Nursing Practice: Care of the Childbearing Family | 2         |
| NUR 4226     | Professional Nursing Practice: Care of the Childrearing Family | 2         |
| NUR 4334     | The Childbearing Family  | 3         |
| NUR 4339     | The Childrearing Family  | 3         |
| NUR 4341     | Nursing Professional Development: Leadership and Management    | 3         |
| NUR 4351     | Professional Development: A Consumer of Research               | 3         |
| <b>Hours</b> |  | <b>16</b> |

**Senior Year****Fall Semester****Dallas Campus**

|          |   |   |
|----------|---|---|
| NUR 4335 | Professional Nursing Practice: Transition to Practice | 3 |
| NUR 4338 | Analysis and Synthesis of Complex Human Needs         | 3 |

|                    |   |            |
|--------------------|---|------------|
| NUR 4345           | Professional Nursing Practice: Population Health Nursing      | 3          |
| NUR 4353           | Community and Culture   | 3          |
| NUR 43XX           | Nursing Elective (see catalog for individual course listings) | 3          |
| <b>Hours</b>       |   | <b>15</b>  |
| <b>Total Hours</b> |   | <b>124</b> |

<sup>1</sup> Students are responsible for completion of approved general education courses in the regular semester prior to beginning classes at the School of Nursing. In other words, completion of pre-requisite classes for students beginning nursing courses in the fall semester must be completed in the spring prior to beginning classes or during the fall semester for January entry into the nursing program.

<sup>2</sup> ENG 1302 Thinking and Writing will be accepted as dual credit or transfer credit only. BU Freshmen will take ENG 1310 Writing and Academic Inquiry Seminars and ENG 2310 American Literary Cultures.

<sup>3</sup> May be in a discipline other than mathematics if the course is judged as equivalent to STA 1380 Elementary Statistics at Baylor.

<sup>4</sup> Students must complete one of the following options. Students must take a foreign language through second level proficiency. **Or** students must complete one Communications & Media Literacy Course and one Fine Arts Course. Complete list of acceptable courses may be found through the College of Arts & Sciences Core Curriculum website, or by consulting your Degree Audit.

<sup>5</sup> Course must cover entire life span.

<sup>6</sup> Must be course equivalent to HIS 1300 The United States in Global Perspective, HIS 1305 World History to 1500, HIS 1307 World History since 1500, HIS 1365 United States History to 1877 or HIS 1366 United States History since 1877. Note: HIS 1300 The United States in Global Perspective is preferred.

<sup>7</sup> The choices of literature include ENG 2301 British Literature and ENG 2306 World Literature.

<sup>8</sup> BIO Requirements are the BIO 2401 Human Anatomy and Physiology of Motion and Innervation, BIO 2402 Human Anatomy and Physiology of Metabolism and Processing, and BIO 1302 Introductory Microbiology/BIO 1102 Introductory Microbiology Laboratory courses. These will be assigned by your advisor to ensure all students are able to complete the sequence in a timely fashion. If students do not register as assigned, they may be dropped from the courses and placed into the assigned course that may not be the original class day or time.

## Honors College

## Honors College

The Honors College offers a number of innovative and challenging interdisciplinary programs designed especially for students with superior academic records and independent motivation. Honors College programs feature seminar classes, high faculty-student interaction, thesis options, and assistance in pursuing scholarships and entrance to professional and graduate programs. The programs of the Honors College include the Baylor Interdisciplinary Core, the Great Texts Program, the Honors Program, and the University Scholars Program.

## Scholarships

Joseph and Kelly Armes Endowed Scholarship

John and Chiara Blair Endowed Fund for Leadership in Health Care

Susan Burrow Colón Scholarship Fund in the Honors College

Kelly L. Crider Towle Endowed Scholarship Fund for Washington, D.C. and State Internship

Cunningham Vision Endowed Fund

Gordon A. Davis Endowed Scholarship

Tommye Lou Davis Endowed Scholarship

Gerald P. and Kathy M. Dunlap Endowed Scholarship

Linda DuValle Family Endowed Scholarship Fund

William and Cindy Farmer Endowed Scholarship Fund

Jack and Lynn Fields Washington, D.C. Endowed Scholarship Fund

Sarah and Brad Gahm Endowed Scholarship Fund

Ted and Sue Getterman Endowed Scholars Program

David Grotberg Endowed Scholarship Fund

Kenneth and Linda Hall Endowed Scholarship Fund

Dr. Aurelia Brooks Harlan Endowed Humanities Scholarship Fund

Virginia Wood Harris and Brad C. Harris Endowed Scholarship Fund

Douglas and Michele Henry Endowed Scholarship Fund

Honors College Endowed Scholarship Fund

David and Amy Hunt Christian Missions Endowed Fund

Klauber Family BIC Endowed Scholarship Fund

Lill Family Endowed Scholarship Fund

Jerome and Patricia Loughridge Endowed Fund

Suzy and Bob Mighell Honors College Endowed Scholarship Fund

Scott and Nancy Miner Family Endowed Scholarship Fund

Outstanding Honors Students Endowed Scholarship

Phi Beta Kappa and University Scholars Endowed International

Scholarship

Russ and Debbie Phillips Endowed Scholarship

C. Clifton and Betsy Robinson Endowed Scholarship

Donald and Judy Schmeltokopf Endowed Scholarship Fund in the Honors College

Rocky and Kim Seale Family Endowed Scholarship Fund

Robert B. Sloan Scholars Fund in the Honors College

Alice and Ken Starr Endowed Scholarship Fund in the Honors College

Emmett and Susan Sutton Educational and Charitable Trust Endowed Scholarship Fund

Justice Don and Tiffany Willett Endowed Scholarship Fund

F. Ray Wilson, II Honors College Endowed Scholarship Fund

Wood/Coppedge Endowed Scholarship Fund

Peggy and Bob Alspaugh Endowed Scholarship in Honors

Applications for all academic scholarships may be obtained by contacting the specific academic department.

## Honors College Administration

| Name                    | Title          |
|-------------------------|----------------|
| Douglas V. Henry, Ph.D. | Dean           |
| Julia Hejduk, Ph.D.     | Associate Dean |

## Baylor Interdisciplinary Core

| Name                         | Title  |
|------------------------------|--|
| Charles A. McDaniel, Ph.D.   | Interim Director   |
| Jason A. Whitlark, Ph.D.     | Faculty Assistant Director                               |
| Melanie G. Nogalski, D.Min.  | Assistant Director of BIC Programs and Admissions        |
| Adam D. Moore, M.A.          | Assistant Director of BIC Student and Alumni Initiatives |
| Christopher W. Moore, M.Div. | BIC Academic Advisor                                     |

## Great Texts Program

| Name                       | Title    |
|----------------------------|----------|
| Phillip J. Donnelly, Ph.D. | Director |

## Honors Program

| Name                      | Title                                    |
|---------------------------|--|
| Elizabeth C. Corey, Ph.D. | Director                                 |
| Albert Beck, Ph.D.        | Assistant Director of the Honors Program |
| Coco DiMauro, M.A.        | Academic Advisor                         |
| Mary Z. Moore, M.A.       | Academic Advisor                         |

## University Scholars Program

| Name                    | Title               |
|-------------------------|---------------------|
| Jeffrey M. Hunt, Ph.D.  | Director            |
| Scott H. Moore, Ph.D.   | Assistant Director  |
| Eric C. Martin, Ph.D.   | Assistant Director  |
| Thomas M. Ward, Ph.D.   | Assistant Director  |
| Charmaine L. Dull, M.A. | Program Coordinator |

## Honors Residential College

| Name                      | Title            |
|---------------------------|------------------|
| Courtney I. DePalma, M.A. | Program Director |
| Jason D. Whitt, Ph.D.     | Faculty Steward  |

## Honors College Faculty

| Name                       | Title   |
|----------------------------|---|
| Erika L. Abel, Ph.D.       | Clinical Professor of Biology in the Honors Program               |
| Candi K. Cann, Ph.D.       | Associate Professor in Baylor Interdisciplinary Core and Religion |
| Paul Carron, Ph.D.         | Associate Professor in Baylor Interdisciplinary Core              |
| David D. Corey, Ph.D.      | Professor of Political Science in the Honors Program              |
| Elizabeth C. Corey, Ph.D.  | Associate Professor of Political Science in the Honors Program    |
| Darin H. Davis, Ph.D.      | Clinical Professor of Moral Philosophy in the Honors Program      |
| Phillip J. Donnelly, Ph.D. | Professor of Literature   |
| Michael P. Foley, Ph.D.    | Professor of Patristics   |
| Barry A. Harvey, Ph.D.     | Professor of Theology   |
| Douglas V. Henry, Ph.D.    | Associate Professor of Philosophy                                 |
| Lynne W. Hinojosa, Ph.D.   | Associate Professor of Literature in the Honors Program           |
| Victor J. Hinojosa, Ph.D.  | Associate Professor of Political Science in the Honors Program    |
| Alan R. Jacobs, Ph.D.      | Distinguished Professor of Humanities in the Honors Program       |
| J. Mark Long, Ph.D.        | Associate Professor in Baylor Interdisciplinary Core              |
| Eric C. Martin, Ph.D.      | Associate Professor of History and Philosophy of Science          |
| Walter M. Matthews, M.D.   | Clinical Professor in the Honors Program                          |

|                             |   |
|-----------------------------|---|
| Charles A. McDaniel, Ph.D.  | Associate Professor in Baylor Interdisciplinary Core and Church-State Studies |
| Robert C. Miner, Ph.D.      | Professor of Philosophy   |
| Scott H. Moore, Ph.D.       | Associate Professor of Philosophy and Great Texts                             |
| K. Sarah-Jane Murray, Ph.D. | Associate Professor of Great Texts and Creative Writing                       |
| Melinda E. Nielsen, Ph.D.   | Associate Professor of Classical Literature                                   |
| Ivo Novakovic, Ph.D.        | Senior Lecturer in Baylor Interdisciplinary Core                              |
| Samuel P. Perry, Ph.D.      | Associate Professor in Baylor Interdisciplinary Core                          |
| Lynn W. Tatum, Ph.D.        | Senior Lecturer in Baylor Interdisciplinary Core and Religion                 |
| Sarah Walden, Ph.D.         | Associate Professor in Baylor Interdisciplinary Core                          |
| William P. Weaver, Ph.D.    | Associate Professor of Literature   |
| Michael R. Whinton, Ph.D.   | Lecturer in the Baylor Interdisciplinary Core                                 |
| Jason A. Whitlark, Ph.D.    | Professor in Baylor Interdisciplinary Core and Religion                       |
| Jason D. Whitt, Ph.D.       | Senior Lecturer of Medical Humanities in the Honors Program                   |
| J. Lenore Wright, Ph.D.     | Associate Professor in Baylor Interdisciplinary Core and Philosophy           |
| Colleen M. Zori, Ph.D.      | Senior Lecturer and Lab Coordinator in Baylor Interdisciplinary Core          |
| Davide Zori, Ph.D.          | Associate Professor in Baylor Interdisciplinary Core                          |

## Advisors in Honors College Programs

| Program                       | Staff Advisor   |
|-------------------------------|-----------------|
| Baylor Interdisciplinary Core | Dr. Nogalski    |
| Baylor Interdisciplinary Core | Mr. Adam Moore  |
| Baylor Interdisciplinary Core | Mr. Chris Moore |
| Great Texts Program           | Dr. Donnelly    |
| Honors Program                | Dr. Beck        |
| Honors Program                | Ms. Marcum      |
| Honors Program                | Mrs. M. Moore   |
| Honors Program                | Mrs. DiMauro    |
| University Scholars Program   | Dr. J. Hunt     |
| University Scholars Program   | Dr. S. Moore    |
| University Scholars Program   | Dr. G. Hanchey  |
| University Scholars Program   | Dr. E. Martin   |
| University Scholars Program   | Dr. T. Ward     |
| University Scholars Program   | Ms. Dull        |

## Endowed Positions

James Robert Parker Endowed Chair in Health Science and Leadership

## Endowed Lectures

Drumwright Family Lecture

Laura Blanche Jackson Lectureship in World Issues

- Baylor Interdisciplinary Core (BIC) (p. 422)
- Great Texts Program (p. 432)
- Honors Program (p. 434)
- University Scholars Program (p. 435)

## Baylor Interdisciplinary Core (BIC)

Since the fall of 1995, Baylor University has offered an option for the general education requirements of all undergraduate degree programs. The Baylor Interdisciplinary Core (BIC) seeks to integrate the various academic disciplines with a set of comprehensive interdisciplinary courses that provide a coherent approach to knowledge and learning. It is structured so that individuals see and appreciate relationships and connections among issues, disciplines, and thinkers, so that they are encouraged to synthesize material and to develop a comprehensive perspective. The curriculum emphasizes critical thinking, active learning, connected learning (among disciplines), the close reading of primary sources, writing and speaking skills, and the development of a global perspective. Central to the curriculum is a common core of thirty-nine hours of coursework designed for every degree program in each of the University's undergraduate schools. The curriculum is organized around five sequences of courses designated as The Examined Life, World Cultures, The World of Rhetoric, The Natural World, and The Social World.

## Admission to the Program

All regularly admitted students to Baylor University are eligible to apply for the Baylor Interdisciplinary Core program. Enrollment is limited to 200 incoming freshmen each academic year, and admission will be determined by the BIC Admissions Committee. For more information contact

Baylor Interdisciplinary Core  
One Bear Place #97350  
Waco, TX 76798-7350  
Telephone: 254-710-3981  
website: <http://www.baylor.edu/BIC/>  
FAX: 254-710-4713

For additional information about Baylor University, call 1-800-BAYLOR-U (1-800-229-5678).

Degree requirements for the various degrees offered through the BIC program are listed on the following pages.

- College of Arts and Sciences (p. 424)
- Robbins College of Health and Human Sciences (p. 425)
- School of Social Work (p. 426)
- Hankamer School of Business (p. 426)
- School of Education (p. 428)
- School of Engineering and Computer Science (p. 428)
- School of Music (p. 430)
- School of Nursing (p. 432)



## Baylor Interdisciplinary Core (BIC)

### BIC 1112 Examined Life (1)

Co-requisite(s): BIC 1313, BIC 1314

Pre-requisite(s): Students must be accepted into the Baylor Interdisciplinary Core Program to enroll

New Student Experience course explores interconnected aspects of human flourishing and invites first-year students to reflect critically upon their lives as a part of a global community of which the university is a microcosm. Students engage theories of human development and wellness to encourage greater intellectual, physical, emotional, social, and spiritual awareness. The course will introduce students to the goals, structure, and rational.

### BIC 1313 World of Rhetoric I (3)

Co-requisite(s): BIC 1112, BIC 1314

Pre-requisite(s): Students must be accepted into the Baylor Interdisciplinary Core Program to enroll in BIC 1313

Emphasizes those principles essential to the production of clear and effective informative and persuasive/argumentative communication. Assignments will include communication exercises designed to engage students in activities that develop critical thinking, logical reasoning, and effective communication skills. Course work will include the writing of informative, persuasive, and critical essays and the presentation of informative and persuasive speeches. Thematically linked with the other first semester courses in the BIC, the course units are designed to provide students with the written and oral communication skills necessary to function effectively in university courses both within and outside of the Interdisciplinary Core.

### BIC 1314 World Cultures I: Roots of Culture (3)

Co-requisite(s): BIC 1112, BIC 1313

Pre-requisite(s): Students must be accepted into the Baylor Interdisciplinary Core Program to enroll

Embraces the period from the dawn of civilizations to 500 A.D. The course is arranged chronologically and seeks to widen views of our own culture by studying selected early civilizations and their values. Original sources will be selected from such cultures as the prehistoric, Mesopotamian, Chinese, Hebrew, Greek, early Christian, and Roman. By reading and studying original texts and objects from these cultures, students will be exposed to widely differing views of what it means to be human. They will also have the opportunity to refine critical writing and speaking skills. The course will provide students with the broad cultural and historical context in which they may examine their own identities.

### BIC 1323 World of Rhetoric II: Rhetoric in Context (3)

Co-requisite(s): BIC 1324

Pre-requisite(s): BIC 1313

Focuses on the continued development of critical reading, thinking, and writing skills by building on the instruction and content of BIC 1313, The World of Rhetoric I: Writing and Speaking. Throughout the course students will engage in the reciprocal process of reading, responding to, and analyzing the rhetorical strategies and arguments presented by a variety of significant authors from different time periods. Major assignments will require increasingly complex writing tasks, from presenting a factual summary of a single essay through preparing a multiple-source research project.

### BIC 1324 World Cultures II: Religion and Culture (3)

Co-requisite(s): BIC 1323

Pre-requisite(s): BIC 1314

A study organized around several major themes including the medieval world and its ideals, both in the West and East, and the new technological, scientific, and social forces that emerged to challenge these ideals. The first theme explores the medieval unity and its expressions in selected works of art, music, and literature. The second relates to the rise of mercantilism and urbanism, and especially to key discoveries in science. World geography will provide a key component of the course. The development or refinement of critical thinking, writing, and speaking skills will be fundamental goals.

### BIC 2330 Social World I: The City and the Soul (3)

Co-requisite(s): BIC 2334

Pre-requisite(s): BIC 1324

This course studies classic works from the ancient and medieval traditions of social and political thought up to the modern rejection of those traditions inaugurated by Machiavelli. Ancient and medieval thinkers typically conceived of civic life as involving an ordering of the soul as well as an arrangement of physical conditions and resources, while early moderns like Machiavelli promote a realism dominated by the concepts of material self-interest and bodily security. With this course, we thus seek to put in place a framework to facilitate our own reconsideration of the famous "quarrel between the ancients and the moderns" on perennial questions of social and political organization. Representative texts include Aristotle's *Politics* and *Ethics*, Cicero's *de Republica*, Augustine's *City of God*, Aquinas' *On Kingship*, and John of Salisbury's *Policraticus*, in addition to Machiavelli's *Prince* and *Discourses on Livy*.

### BIC 2334 World Cultures III: The Modern World (3)

Co-requisite(s): BIC 2330

Pre-requisite(s): BIC 1324

Focuses on the scientific revolution and continuing advances in the sciences, and on revolutionary ideas in other areas of human experience—political, religious, social, artistic, and economic. The course will explore efforts of the modern mind to respond creatively to the tensions created by these changes, including the tension between religious and naturalistic world views, the tension between the vast extension of knowledge and the increasing recognition of its limits, the tension between individuality and community, and the tension between the experience of fragmentation and the quest for wholeness.

### BIC 2340 Social World II: The Conditions and Possibilities of Human Fulfillment (3)

Co-requisite(s): BIC 2344

Pre-requisite(s): BIC 2330

This course studies classic modern works of western social and political thought that have played a formative role in the rise of modern political life and contemporary social conscience. In works by Hobbes and Locke, for example, we explore the origins of contemporary liberal democracy and consider the initial efforts to formulate a social science on the model of modern natural science. In works by Rousseau and Marx, we encounter the first great critical assessment of modern liberalism and examine its impact on the political landscape of modernity as well as on the study of social and political life. Utilizing the framework erected in the previous semester (Social World I), we also continue our mediation of the famous "quarrel between the ancients and the moderns" on certain perennial questions of human existence. Representative texts include Hobbes' *Leviathan*, Locke's *Letter Concerning Toleration* and *Second Treatise*, Rousseau's *Social Contract*, Smith's *Wealth of Nations*, Marx's *German Ideology*, and Weber's *The Protestant Ethic and the Spirit of Capitalism*.

**BIC 2344 World Cultures IV: The United States in the World (3)**

Co-requisite(s): BIC 2340

Pre-requisite(s): BIC 2334

Concentrates on the United States and on its experience within the broader global framework. The focus will be the historical development of the nation, including its origins, its regional traditions, its spread westward, its movement into global markets in the twentieth century, and its cultural pluralism. Emphasis will also be placed upon the elements that have made for community in the United States and upon the linkages of United States historical and cultural development with the broader global themes portrayed in World Cultures III.

**BIC 2437 The Natural World I: Primary Ideas in Science (4)**

Pre-requisite(s): BIC 1323 and 1324

The first course of a two-semester sequence encompassing lecture and laboratory experiences that emphasize the foundations of natural science, science as a way of knowing, and the uses of science. Historical influences on the development of science and the interrelationship between science and culture will be explored. Lecture and laboratory material in The Natural World will be integrated. Laboratories will involve hands-on, discovery-based learning which will lead the student to make connections between observation and interpretation of natural phenomena through critical thinking and will seek to provide students with an understanding of the scientific method, hypothesis formulation and testing, collection of data, analysis of data, and interpretation of data in the context of hypotheses.

**BIC 2447 The Natural World II: Global Science Issues (4)**

Pre-requisite(s): BIC 2437

A continuation of The Natural World I.

**BIC 3358 Examined Life II: Biblical Heritage and Contemporary Ethical Issues (3)**

Pre-requisite(s): BIC 2340 and 2344

In-depth study of selected texts from the Old and New Testaments and examination of the approaches and resources used today and throughout Christian history in such study. Biblical perspectives on such ethical issues as human rights, environmental concerns and resource allocation will be examined to provide a bridge between the literary/cultural settings of the Bible and contemporary human experience and decision making.

**BIC 4374 World Cultures V: Differing Visions and Realities (3)**

Pre-requisite(s): BIC 3358

Explores differing visions and realities in a selected sample of non-Western cultures. The initial interdisciplinary study will reveal themes that transcend cultural differences. Students will then investigate the expression of these themes in a culture fundamentally different from their own.

**BIC 4389 Examined Life III Capstone: Special Topics (3)**

Pre-requisite(s): BIC 3358

Synthesizes learning in two or more disciplines, or in some way connects modes or areas of learning not normally connected. This capstone course represents the culmination both of the Baylor Interdisciplinary Core experience and of the undergraduate experience. By integrating learning, and application, this course will bridge the gap between undergraduate life and life after graduation, leading students to form connections between their lives in the university and their lives in the wider community. The course will include significant written and oral projects. Religion majors and minors must repeat course once under a different topic.

# College of Arts and Sciences

## Bachelor of Arts (BIC), Bachelor of Science (BIC), Bachelor of Fine Arts (BIC), Bachelor of Aviation Science (BIC)

### College of Arts & Sciences

| Code  | Title  | Hours |
|---|--|-------|
| <b>Requirements</b>   |  |       |
| Minimum Requirement   |  | (124) |
| Residence Requirement – minimum   |  | (60)  |
| Grade point average – minimum of 2.00 (“C”) overall and in the major, for work done at Baylor.  |  |       |
| <b>Interdisciplinary Core Requirements</b>  |  |       |
| <i>World Cultures</i>   |  |       |
| BIC 1314  | World Cultures I: Roots of Culture   | 3     |
| BIC 1324  | World Cultures II: Religion and Culture  | 3     |
| BIC 2334  | World Cultures III: The Modern World   | 3     |
| BIC 2344  | World Cultures IV: The United States in the World  | 3     |
| <i>The World of Rhetoric</i>  |  |       |
| BIC 1313 & BIC 1323   | World of Rhetoric I and World of Rhetoric II: Rhetoric in Context  | 6     |
| <i>The Social World</i>   |  |       |
| BIC 2330 & BIC 2340   | Social World I: The City and the Soul and Social World II: The Conditions and Possibilities of Human Fulfillment | 6     |
| <i>The Natural World</i>  |  |       |
| BIC 2437 & BIC 2447   | The Natural World I: Primary Ideas in Science and The Natural World II: Global Science Issues                    | 8     |
| Students may petition two laboratory science courses required by their major from the approved list.  |  |       |
| <i>The Examined Life</i>  |  |       |
| BIC 1112  | Examined Life  | 1     |
| BIC 3358  | Examined Life II: Biblical Heritage and Contemporary Ethical Issues  | 3     |
| BIC 4374  | World Cultures V: Differing Visions and Realities  | 3     |
| or BIC 4389   | Examined Life III Capstone: Special Topics   |       |
| <b>Additional Core Requirements</b>   |  |       |
| <i>Formal Reasoning</i>   |  |       |
| Complete 3 hrs.   |  | 3     |
| <i>Foreign Language and Culture (Two to Four Courses)</i>   |  |       |
| To meet this requirement, students must:  |  |       |
| (1) attain an appropriate level of proficiency and  |  |       |
| (2) complete at least 6 hours in residence  |  |       |
| Complete <b>one</b> of the following options:   |  | 8-12  |
| <b>Option One</b>   |  |       |
| 8 hours selected from intensive language courses in German or Spanish (both courses must be from the same language and both must be completed in residence): 1412 and 2412. |  |       |

**Option Two**

9 hours from the Foreign Language and Culture distribution list, including the completion of at least one language through the third level of proficiency (2310 course or equivalent) Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, or Swahili may be used.

**Option Three**

12 hours from the Foreign Language and Culture distribution list, including the completion of two classical languages through the second level of proficiency (1302 course or equivalent). Aramaic, Hebrew, Latin, and Greek may be used.<sup>1</sup>

**Creative Arts Experiences**

Four events

BIC students are required to attend 4 approved events (after completion of World Cultures I-IV) from the following categories: Art, Film, Music, Theatre, or Literature/ World Cultures. Students may complete only one event per category for credit with up to 4 events per year.

Chapel – two semesters, usually freshman year

**Major**

One required, others may be elected from the list included in the Arts and Sciences section of this catalog. See departmental sections for specific requirements.

**Minor**

Optional, may elect one or more minors. Specific requirements in departmental sections of this catalog.

**Advanced Work Minimum**

"3000" or "4000" numbered courses

**Maximum Credit**

Within the minimum of 124 hours required for a degree, the following maximum credits are applicable:

- (1) four courses of lifetime fitness (activity) and
- (2) ten hours of applied and/or ensemble music

<sup>1</sup> Students may be able to complete their requirements for this distribution list in as few as 6 hours if they have a higher level of proficiency; for example, if they bring in transfer credit, have CBE credit, or had a strong high school background in a language. Students meeting any of these criteria are strongly encouraged to consult with the Department of Modern Languages and Cultures, Classics, (Latin or Greek), or Religion (Hebrew) for recommendations on placement and appropriate classes.

**Note:** Students who pursue a BM, BME, or BA (Music) degree (other than string majors) will encounter scheduling conflicts between required BIC classes and required music ensembles, making participation in the BIC impossible.

# Robbins College of Health and Human Sciences

## Bachelor of Science (BIC)

### Robbins College of Health and Human Sciences

| Code   | Title  | Hours   |
|--|--|---------|
| <b>Requirements</b>  |  |         |
| Minimum Requirements   |  | (124)   |
| Basic Requirements   |  | (47-50) |
| <b>Interdisciplinary Core Requirements</b>   |  |         |
| <i>World Cultures</i>  |  |         |
| BIC 1314   | World Cultures I: Roots of Culture   | 3       |
| BIC 1324   | World Cultures II: Religion and Culture  | 3       |
| BIC 2334   | World Cultures III: The Modern World   | 3       |
| BIC 2344   | World Cultures IV: The United States in the World  | 3       |
| <i>The World of Rhetoric</i>   |  |         |
| BIC 1313 & BIC 1323  | World of Rhetoric I and World of Rhetoric II: Rhetoric in Context  | 6       |
| <i>The Social World</i>  |  |         |
| BIC 2330 & BIC 2340  | Social World I: The City and the Soul and Social World II: The Conditions and Possibilities of Human Fulfillment | 6       |
| <i>The Examined Life</i>   |  |         |
| BIC 1112 & BIC 3358  | Examined Life and Examined Life II: Biblical Heritage and Contemporary Ethical Issues                            | 4       |
| <b>Additional Core Requirements</b>  |  |         |
| Foreign Languages and Cultures   |  | 3-8     |
| Formal Reasoning   |  | 3       |
| Laboratory Science   |  | 7-8     |
| 1. See specific courses listed under each major as applicable. Some majors require significantly more laboratory sciences.                                   |  |         |
| 2. Students intending to pursue an advanced degree in a health-related field should also consult a prehealth advisor regarding required laboratory sciences. |  |         |
| Lifetime Fitness – three hours   |  | 3       |
| Chapel – two semesters, usually freshman year  |  | 0       |
| <b>Major</b>   |  |         |
| See the section of this catalog on degrees offered for a list of majors; see departmental section for specific requirements.                                 |  |         |
| <b>Advanced Work</b>   |  |         |
| 3000 or 4000 numbered courses  |  | 36      |

Additional requirements: (residence, transfer, credits, minimum grade point average, etc.) as listed under the "General University Regulations" and "General Regulations for the College of Health and Human Sciences."

## School of Social Work

### Bachelor of Social Work (BIC)

| Code   | Title  | Hours |
|--|--|-------|
| <b>Requirements</b>  |  |       |
| Minimum Requirements   |  | (124) |
| Residence Requirement – minimum (including last thirty hours)  |  | (60)  |
| Grade point average – minimum 2.0 (“C”) overall for the university and 2.7 overall once accepted to the major.     |  |       |
| <b>Interdisciplinary Core Requirements</b>   |  |       |
| <i>World Cultures</i>  |  |       |
| BIC 1314   | World Cultures I: Roots of Culture   | 3     |
| BIC 1324   | World Cultures II: Religion and Culture  | 3     |
| BIC 2334   | World Cultures III: The Modern World   | 3     |
| BIC 2344   | World Cultures IV: The United States in the World  | 3     |
| <i>The World of Rhetoric</i>   |  |       |
| BIC 1313 & BIC 1323  | World of Rhetoric I and World of Rhetoric II: Rhetoric in Context  | 6     |
| <i>Social World</i>  |  |       |
| BIC 2330 & BIC 2340  | Social World I: The City and the Soul and Social World II: The Conditions and Possibilities of Human Fulfillment | 6     |
| <i>The Examined Life</i>   |  |       |
| BIC 1112 & BIC 3358  | Examined Life and Examined Life II: Biblical Heritage and Contemporary Ethical Issues                            | 4     |
| <i>Additional Course</i>   |  |       |
| BIC 4374   | World Cultures V: Differing Visions and Realities  | 3     |
| or BIC 4389  | Examined Life III Capstone: Special Topics   |       |
| <b>Additional Core Requirements</b>  |  |       |
| <i>Foreign Languages and Cultures</i>  |  |       |
| At least 6 hours must be in residence.   |  | 8-12  |
| Note: It is strongly recommended that the language requirement be started during the first year of residence work. |  |       |
| <i>Formal Reasoning</i>  |  |       |
| Select 3 hours   |  | 3     |
| <i>Laboratory Science</i>  |  |       |
| Select one of the following:   |  | 8     |
| NSC 1306 & NSC 1106 & BIO 1401   | Introduction to Neuroscience and Introduction to Neuroscience Laboratory and Current Issues in Human Biology     |       |
| BIO 1305 & BIO 1105  | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory                                       |       |
| ECO 3355   | Introduction to the Economics of Poverty and Discrimination  | 3     |
| <i>Philanthropy and Public Service</i>   |  |       |
| PPS 1100   | Introduction to Citizenship and Community Service  | 1     |
| <i>Lifetime Fitness</i>  |  |       |

|                                      |   |
|--------------------------------------|---|
| One course                           | 1 |
| <i>Chapel</i>                        |   |
| Two semesters, usually freshman year | 0 |
| <b>Major</b>                         |   |

See departmental section of this catalog for specific requirements for the social work degree.

The requirements for advanced credit, residence, language, a specified comprehensive examination, chapel, minimum grade point average, maximum credit, and lifetime fitness are the same as for the bachelor of arts degree. Additional information about these requirements is listed under “General Regulations for the College of Arts & Sciences” and “General University Regulations.”

## Hankamer School of Business

### Bachelor of Business Administration (BIC)

#### Hankamer School of Business

| Code   | Title  | Hours |
|--|--|-------|
| <b>Requirements</b>  |  |       |
| Minimum Requirements   |  | (124) |
| Residence Requirement – minimum (including the last thirty hours)  |  | (60)  |
| Grade point average – minimum of “C”; in each business core course and minimum 3.0 overall for admission to the Hankamer School of Business (see section X.) |  |       |
| <b>Interdisciplinary Core Requirements</b>   |  |       |
| <i>World Cultures</i>  |  |       |
| BIC 1314   | World Cultures I: Roots of Culture   | 3     |
| BIC 1324   | World Cultures II: Religion and Culture  | 3     |
| BIC 2334   | World Cultures III: The Modern World   | 3     |
| BIC 2344   | World Cultures IV: The United States in the World  | 3     |
| <i>The World of Rhetoric</i>   |  |       |
| BIC 1313 & BIC 1323  | World of Rhetoric I and World of Rhetoric II: Rhetoric in Context  | 6     |
| <i>The Social World</i>  |  |       |
| BIC 2330 & BIC 2340  | Social World I: The City and the Soul and Social World II: The Conditions and Possibilities of Human Fulfillment | 6     |
| <i>The Natural World</i>   |  |       |
| BIC 2437   | The Natural World I: Primary Ideas in Science  | 4     |
| or BIC 2447  | The Natural World II: Global Science Issues  |       |
| <i>The Examined Life</i>   |  |       |
| BIC 1112 & BIC 3358  | Examined Life and Examined Life II: Biblical Heritage and Contemporary Ethical Issues                            | 4     |
| <b>Additional Core Requirements</b>  |  |       |
| <i>Communication Option</i>  |  |       |
| Select one of the following:   |  | 3     |
| JOU/FDM 3372   | Writing for Media Markets  |       |
| ENG 3000-4000 level course   |  |       |
| Foreign Language   |  |       |

Select one of the following: 3

|             |                                   |  |
|-------------|-----------------------------------|--|
| MTH 1308    | Precalculus for Business Students |  |
| or MTH 1320 | Precalculus Mathematics           |  |
| MTH 1309    | Calculus for Business Students    |  |
| or MTH 1321 | Calculus I                        |  |

#### Personal Development

|   |   |
|---|---|
| Select one Lifetime Fitness course            | 1 |
| Chapel – two semesters, usually freshman year | 0 |

#### Business Core Requirements

|                      |   |   |
|----------------------|---|---|
| ACC 2303 & ACC 2304  | Financial Accounting and Managerial Accounting                        | 6 |
| BUS 1101             | Connect to Hankamer School Bus  | 1 |
| BUS 1201             | Introduction to Business  | 2 |
| BUS 1350             | Software Applications for Business Productivity and Decision-Making   | 3 |
| BUS 2101             | Career Management (Assessment & Discovery) for Undergraduate Students | 1 |
| BUS 3101             | Career Management (Strategy & Success) for Undergraduate Students     | 1 |
| BUS 3315             | Business Communications   | 3 |
| BUS 4385             | Strategic Management  | 3 |
| BL 3305              | Legal Environment of Business   | 3 |
| ECO 2306 & ECO 2307  | Principles of Microeconomics and Principles of Macroeconomics         | 6 |
| FIN 3309 or FIN 3310 | Introduction to Finance<br>Introduction to Corporate Finance          | 3 |
| MIS 3305             | Management Information Systems  | 3 |
| MGT 3305 & MGT 3325  | Leadership & Organizational Behavior and Operations Management        | 6 |
| MKT 3305             | Principles of Marketing   | 3 |
| QBA 2302 & QBA 3305  | Business Data Analysis I and Introduction to Business Analytics       | 6 |

#### Major

See School of Business section of this catalog for specific requirements. (12 hours minimum) 12

#### Free Electives

Elective hours must be taken for a grade and are only needed to reach 124 hours for graduation.

Electives may include:

|          |   |
|----------|---|
| BIC 4374 | World Cultures V: Differing Visions and Realities |
| BIC 4389 | Examined Life III Capstone: Special Topics        |

#### Business School Admission

Admission requirements for the Hankamer School of Business include a minimum of sixty credit hours, minimum 3.0 GPA overall, and minimum grade of C in all "1000" - "2000" level business core courses.

## Hankamer Scholars Program - Hankamer School of Business

| Code                 | Title | Hours |
|----------------------|-------|-------|
| <b>Requirements</b>  |       |       |
| Minimum requirement  |       | (124) |
| Resident requirement |       | (60)  |

Grade point average - minimum of "C" in each required Scholars' course; Scholars must earn and maintain a minimum 3.4 GPA. If a Scholar does not complete all of the Scholars' requirements by the end of the first year, then he/she will be transitioned to the traditional BBA curriculum.

#### Interdisciplinary Core Requirements

|                       |   |   |
|-----------------------|---|---|
| <i>World Cultures</i> |   |   |
| BIC 1314              | World Cultures I: Roots of Culture                | 3 |
| BIC 1324              | World Cultures II: Religion and Culture           | 3 |
| BIC 2334              | World Cultures III: The Modern World              | 3 |
| BIC 2344              | World Cultures IV: The United States in the World | 3 |

#### The World Rhetoric

|                     |   |   |
|---------------------|---|---|
| BIC 1313 & BIC 1323 | World of Rhetoric I and World of Rhetoric II: Rhetoric in Context | 6 |
|---------------------|---|---|

#### The Social World

|                     |  |   |
|---------------------|--|---|
| BIC 2330 & BIC 2340 | Social World I: The City and the Soul and Social World II: The Conditions and Possibilities of Human Fulfillment | 6 |
|---------------------|--|---|

#### The Natural World

|             |   |   |
|-------------|---|---|
| BIC 2437    | The Natural World I: Primary Ideas in Science | 4 |
| or BIC 2447 | The Natural World II: Global Science Issues   |   |

#### The Examined Life

|          |   |   |
|----------|---|---|
| BIC 1112 | Examined Life   | 1 |
| BIC 3358 | Examined Life II: Biblical Heritage and Contemporary Ethical Issues | 3 |

#### Additional Core Requirements

##### Language/Communication Option

Select one course from the following:

|  |                           |   |
|--|---------------------------|---|
| JOU 3372   | Writing for Media Markets | 3 |
| or FDM 3372  | Writing for Media Markets |   |
| ENG 3000-4000 level course or PWR 3000-4000 level course, or Foreign Language (including American Sign Language) |                           | 3 |
| Chapel - two semesters   |                           | 0 |

#### Required courses for Scholars to declare a major in the Business School

|                                    |  |   |
|------------------------------------|--|---|
| ACC 2303 & ACC 2304                | Financial Accounting and Managerial Accounting   | 6 |
| BUS 1101 & BUS 1350                | Connect to Hankamer School Bus and Software Applications for Business Productivity and Decision-Making | 4 |
| MTH 1309 or MTH 1321               | Calculus for Business Students<br>Calculus I   | 3 |
| ECO 1380                           | Introduction to Economic Analysis and Policy   | 3 |
| QBA 2302                           | Business Data Analysis I   | 3 |
| BIC 1323                           | World of Rhetoric II: Rhetoric in Context  | 3 |
| Select one Lifetime Fitness course |  | 1 |

#### Major Requirements

See School of Business section of this catalog for specific requirements.

#### Free Electives



Elective hours must be taken for a grade and are only needed to reach 124 hours for graduation. Electives may include BIC 4374 World Cultures V and BIC 4389 BIC Capstone.

Business Major Declaration

Scholars can declare their major(s) one year early at the beginning of their sophomore year if they successfully complete all of the Scholars' first year courses.

Bachelor of Business Administration (BIC)
Baylor Business Fellows - Hankamer School of Business

| Code   | Title  | Hours |
|--|--|-------|
| Requirements   |  |       |
| Minimum Requirement  |  | (124) |
| Residence Requirement  |  | (60)  |
| Grade point average – minimum of 3.5   |  |       |
| Interdisciplinary Core Requirements  |  |       |
| World Cultures   |  |       |
| BIC 1314   | World Cultures I: Roots of Culture   | 3     |
| BIC 1324   | World Cultures II: Religion and Culture  | 3     |
| BIC 2334   | World Cultures III: The Modern World   | 3     |
| BIC 2344   | World Cultures IV: The United States in the World  | 3     |
| World of Rhetoric  |  |       |
| BIC 1313 & BIC 1323  | World of Rhetoric I and World of Rhetoric II: Rhetoric in Context  | 6     |
| Social World   |  |       |
| BIC 2330 & BIC 2340  | Social World I: The City and the Soul and Social World II: The Conditions and Possibilities of Human Fulfillment | 6     |
| Examined Life  |  |       |
| BIC 1112 & BIC 3358  | Examined Life and Examined Life II: Biblical Heritage and Contemporary Ethical Issues                            | 4     |
| Business Fellows Requirements  |  |       |
| Chapel – two semesters   |  | 0     |
| Analytics  |  | 9     |
| Business   |  | 27-33 |
| Specialization (related concentration or second major)   |  | 18-36 |
| Electives  |  | 15-47 |
| At least 31 hours of credit must be earned through the Hankamer School of Business.                |  |       |
| At least 31 hours of credit must be earned outside of the Hankamer School of Business and the BIC. |  |       |
| Advanced Work  |  |       |
| "3000" or "4000" numbered courses  |  | 36    |

School of Education
Bachelor of Science in Education (BIC)
School of Education

| Code                 | Title | Hours |
|----------------------|-------|-------|
| Requirements         |       |       |
| Minimum Requirements |       | (124) |

Residence Requirement – minimum (including the last thirty hours) (60)

Grade point average – minimum of 2.6 overall and also in the major for work done at Baylor.

Interdisciplinary Core Requirements

|  |  |     |
|--|--|-----|
| World Cultures   |  |     |
| BIC 1314   | World Cultures I: Roots of Culture   | 3   |
| BIC 1324   | World Cultures II: Religion and Culture  | 3   |
| BIC 2334   | World Cultures III: The Modern World   | 3   |
| BIC 2344   | World Cultures IV: The United States in the World  | 3   |
| The World of Rhetoric  |  |     |
| BIC 1313 & BIC 1323  | World of Rhetoric I and World of Rhetoric II: Rhetoric in Context  | 6   |
| The Social World   |  |     |
| BIC 2330 & BIC 2340  | Social World I: The City and the Soul and Social World II: The Conditions and Possibilities of Human Fulfillment | 6   |
| The Natural World  |  |     |
| BIC 2437 & BIC 2447  | The Natural World I: Primary Ideas in Science and The Natural World II: Global Science Issues                    | 8   |
| The Examined Life  |  |     |
| Additional Core Requirements   |  |     |
| BIC 1112 & BIC 3358  | Examined Life and Examined Life II: Biblical Heritage and Contemporary Ethical Issues                            | 4   |
| Foreign Language   |  |     |
| Requirement may be completed by one of the following combinations:             |  | 3-8 |
| 1. Second semester proficiency in Modern or Classical language                 |  |     |
| Mathematics  |  |     |
| See the School of Education section of this catalog for specific requirements. |  | 6   |
| Chapel – two semesters, usually freshman year                                  |  | 0   |
| Select one Lifetime Fitness course   |  | 1   |

For Academic Majors and Professional Education Courses, see the School of Education section of this catalog for specific requirements.

School of Engineering and Computer Science
Bachelor of Science in Engineering (BIC)
School of Engineering and Computer Science

| Code  | Title | Hours |
|---|-------|-------|
| Requirements  |       |       |
| Minimum Requirements  |       | (136) |
| Residence Requirement – minimum (including the last thirty hours)   |       | (60)  |
| Grade point average – minimum of 2.00 ("C") overall and also in the major for work done at Baylor. In addition, Engineering majors must meet a higher level for upper division admission. |       |       |

**Interdisciplinary Core Requirements**

| <i>World Cultures</i>  |  |     |
|--|--|-----|
| BIC 1314   | World Cultures I: Roots of Culture   | 3   |
| BIC 1324   | World Cultures II: Religion and Culture  | 3   |
| BIC 2334   | World Cultures III: The Modern World   | 3   |
| BIC 2344   | World Cultures IV: The United States in the World  | 3   |
| <i>The World of Rhetoric</i>   |  |     |
| BIC 1313   | World of Rhetoric I  | 3   |
| <i>The Social World</i>  |  |     |
| BIC 2330 & BIC 2340  | Social World I: The City and the Soul and Social World II: The Conditions and Possibilities of Human Fulfillment | 6   |
| <i>The Examined Life</i>   |  |     |
| BIC 1112 & BIC 3358  | Examined Life and Examined Life II: Biblical Heritage and Contemporary Ethical Issues                            | 4   |
| <b>Additional Humanities and Social Sciences</b>                                     |  |     |
| <i>Foreign Language</i>  |  |     |
| Second level proficiency (at least 1302, 1402, or 1412) must be achieved.            |  | 3-8 |
| <i>Chapel</i>  |  |     |
| Two semesters, usually freshman year   |  | 0   |
| <b>Mathematics and Basic Sciences</b>  |  |     |
| CHE 1301   | Basic Principles of Modern Chemistry I   | 3   |
| MTH 1321   | Calculus I   | 3   |
| MTH 1322   | Calculus II  | 3   |
| MTH 2311   | Linear Algebra   | 3   |
| MTH 2321   | Calculus III   | 3   |
| MTH 3325   | Ordinary Differential Equations  | 3   |
| STA 3381   | Probability and Statistics   | 3   |
| PHY 1420 & PHY 1430  | General Physics I and General Physics II   | 8   |
| Select one of the following Mathematics or Basic Science Courses:                    |  | 3   |
| MTH 4329   | Theory of Functions of a Complex Variable (Required for Electrical and Computer Engineering major)               |     |
| MTH 3326   | Partial Differential Equations (Required for the Mechanical Engineering major)                                   |     |
| <b>Other Requirements</b>  |  |     |
| PWR 3300   | Technical Writing  | 3   |
| ECO 3308   | Engineering Economic Analysis  | 3   |
| <i>Ethics Elective</i>   |  |     |
| EGR 3305 or EGR 3315   | Social and Ethical Issues in Engineering <sup>1</sup> Ethics of International Service                            | 3   |
| <i>Lifetime Fitness</i>  |  |     |
| One activity course <sup>2</sup>   |  | 1   |
| <b>Major</b>   |  |     |
| See the Department of Engineering section of this catalog for specific requirements. |  | 64  |

<sup>1</sup> BSE Program requires EGR 3305 Social and Ethical Issues in Engineering.

<sup>2</sup> PUBH 1145 Health and Human Behavior will not meet this requirement.

## Bachelor of Science in Computer Science (BIC)

### School of Engineering and Computer Science

| Code   | Title  | Hours |
|--|--|-------|
| <b>Requirements</b>  |  |       |
| Minimum Requirements   |  | (136) |
| Residence Requirement – minimum (including the last thirty hours)  |  | (60)  |
| Grade point average – minimum of 2.00 (“C”) overall and also in the major for work done at Baylor.   |  |       |
| <b>Interdisciplinary Core Requirements</b>   |  |       |
| <i>World Cultures</i>  |  |       |
| BIC 1314   | World Cultures I: Roots of Culture   | 3     |
| BIC 1324   | World Cultures II: Religion and Culture  | 3     |
| BIC 2334   | World Cultures III: The Modern World   | 3     |
| BIC 2344   | World Cultures IV: The United States in the World  | 3     |
| <i>The World of Rhetoric</i>   |  |       |
| BIC 1313   | World of Rhetoric I  | 3     |
| <i>The Social World</i>  |  |       |
| BIC 2330 & BIC 2340  | Social World I: The City and the Soul and Social World II: The Conditions and Possibilities of Human Fulfillment | 6     |
| <i>The Examined Life</i>   |  |       |
| BIC 1112   | Examined Life  | 1     |
| <b>Additional Core Requirements</b>  |  |       |
| PWR 3300   | Technical Writing  | 3     |
| <i>Foreign Language</i>  |  |       |
| Second-level proficiency (at least 1302, 1402, or 1412) must be achieved.  |  | 3-7   |
| 1. Complete one course to reach second-level proficiency (1302, 1402, 1412, 2310, or 2320)   |  |       |
| 2. Complete two courses to reach second-level proficiency (beginning with 1301 or 1401)  |  |       |
| <i>Chapel</i>  |  |       |
| Two semesters, usually freshman year   |  | 0     |
| <b>Technical Core Requirements</b>   |  |       |
| <i>Mathematics</i>   |  |       |
| MTH 1321   | Calculus I   | 3     |
| MTH 1322   | Calculus II  | 3     |
| STA 3381   | Probability and Statistics   | 3     |
| MTH 2311 or MTH 2321   | Linear Algebra Calculus III  | 3     |
| <i>Sciences</i>  |  |       |
| Complete one group from the following natural or physical sciences. Complete an additional six to eight hours from the courses below or from courses which have one or more of the below courses as prerequisites: |  | 12-16 |
| Group 1  |  |       |

|   |   |    |
|---|---|----|
| BIO 1305<br>& BIO 1105  | Modern Concepts of Bioscience<br>and Modern Concepts of Bioscience<br>Laboratory  |    |
| BIO 1306<br>& BIO 1106  | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory                               |    |
| Group 2   |   |    |
| CHE 1301<br>& CHE 1302  | Basic Principles of Modern Chemistry I<br>and Basic Principles of Modern Chemistry<br>II                                  |    |
| Group 3   |   |    |
| GEO 1405<br>& GEO 1306<br>& GEO 1106  | The Dynamic Earth<br>and The Earth Through Time<br>and The Earth Through Time, Laboratory                                 |    |
| Group 4   |   |    |
| Select one of the following sequences:  |   |    |
| PHY 1408<br>& PHY 1409  | General Physics for Natural and Behavioral<br>Sciences I<br>and General Physics for Natural and<br>Behavioral Sciences II |    |
| PHY 1425  |   |    |
| Major   |   |    |
| See the Engineering and Computer Science B.S.C.S. degree<br>section of this catalog for specific requirements.  |   | 44 |
| Minor   |   |    |
| Optional, see specific requirements in departmental sections of<br>this catalog.  |   |    |
| Other Requirements  |   |    |
| The requirements for advanced credit, residence, language, a<br>specified comprehensive examination, chapel, minimum grade<br>point average, maximum credit, and lifetime fitness are the same<br>as for the bachelor of arts degree. |   |    |

Bachelor of Science in Informatics (BIC)  
School of Engineering and Computer Science

| Code  | Title  | Hours |
|---|--|-------|
| Requirements  |  |       |
| Minimum Requirements  |  | (136) |
| Residence Requirement – minimum (including the last thirty<br>hours)                                  |  | (60)  |
| Grade point average – minimum of 2.00 (“C”) overall and also in<br>the major for work done at Baylor. |  |       |
| Interdisciplinary Core Requirements   |  |       |
| World Cultures  |  |       |
| BIC 1314  | World Cultures I: Roots of Culture   | 3     |
| BIC 1324  | World Cultures II: Religion and Culture  | 3     |
| BIC 2334  | World Cultures III: The Modern World   | 3     |
| BIC 2344  | World Cultures IV: The United States in the<br>World   | 3     |
| The World of Rhetoric   |  |       |
| BIC 1313  | World of Rhetoric I  | 3     |
| The Social World  |  |       |
| BIC 2330<br>& BIC 2340  | Social World I: The City and the Soul<br>and Social World II: The Conditions and<br>Possibilities of Human Fulfillment | 6     |

|   |   |     |
|---|---|-----|
| The Examined Life   |   |     |
| BIC 1112<br>& BIC 3358  | Examined Life<br>and Examined Life II: Biblical Heritage and<br>Contemporary Ethical Issues | 4   |
| Additional Core Requirements  |   |     |
| PWR 3300  | Technical Writing   | 3   |
| Foreign Language  |   |     |
| One language through 1302 or 1412   |   | 3-6 |
| Chapel  |   |     |
| Two semesters, usually freshman year  |   | 0   |
| Technical Core Requirements   |   |     |
| MTH 1321  | Calculus I  | 3   |
| STA 2381  | Introductory Statistical Methods<br>or MTH 3381   | 3   |
| CHE 1301  | Basic Principles of Modern Chemistry I  | 3   |
| CHE 1101  | General Chemistry Laboratory I  | 1   |
| CHE 1302  | Basic Principles of Modern Chemistry II   | 3   |
| CHE 1102  | General Chemistry Laboratory II   | 1   |
| CHE 3238  | Organic Chemistry Laboratory  | 2   |
| CHE 3331  | Organic Chemistry I   | 3   |
| CHE 3332  | Organic Chemistry II  | 3   |
| Major   |   |     |
| See the Engineering and Computer Science B.S.I. degree section<br>of this catalog for specific requirements.                                    |   | 58  |
| Other Requirements  |   |     |
| The requirements for a minor, advanced credit, and maximum<br>credit are the same as for the Bachelor of Science in Computer<br>Science degree. |   |     |

School of Music  
Bachelor of Music (BIC)  
School of Music

| Code  | Title   | Hours |
|---|---|-------|
| Requirements  |   |       |
| Minimum Requirements – 125-135 sem. hrs.  |   |       |
| Residence Requirement – minimum (including the last thirty<br>hours) - 60 hrs.                          |   |       |
| Grade point average – minimum of 2.00 (“C+”) overall, and also in<br>the major for work done at Baylor. |   |       |
| Interdisciplinary Core Requirements   |   |       |
| World Cultures  |   |       |
| BIC 1314  | World Cultures I: Roots of Culture                                      | 3     |
| BIC 1324  | World Cultures II: Religion and Culture                                 | 3     |
| BIC 2334  | World Cultures III: The Modern World                                    | 3     |
| BIC 2344  | World Cultures IV: The United States in the<br>World                    | 3     |
| The World of Rhetoric   |   |       |
| BIC 1313<br>& BIC 1323  | World of Rhetoric I<br>and World of Rhetoric II: Rhetoric in<br>Context | 6     |
| The Social World <sup>1</sup>   |   |       |

|                        |  |   |
|------------------------|--|---|
| BIC 2330<br>& BIC 2340 | Social World I: The City and the Soul<br>and Social World II: The Conditions and<br>Possibilities of Human Fulfillment | 6 |
|------------------------|--|---|

*The Natural World*<sup>1</sup>

|                        |  |   |
|------------------------|--|---|
| BIC 2437<br>& BIC 2447 | The Natural World I: Primary Ideas in<br>Science<br>and The Natural World II: Global Science<br>Issues | 8 |
|------------------------|--|---|

*The Examined Life*

|                        |   |   |
|------------------------|---|---|
| BIC 1112<br>& BIC 3358 | Examined Life<br>and Examined Life II: Biblical Heritage and<br>Contemporary Ethical Issues | 4 |
|------------------------|---|---|

**Additional Core Requirements***Modern Languages and Cultures*

Select 6-16 hours from the following: 6-16

1. Two semesters of one language
2. B.M. voice and B.M. music history and literature majors must take two semesters each of two languages

*Chapel*

Two semesters, usually freshman year 0

**Music Core Requirements**

|          |  |   |
|----------|--|---|
| MUS 1301 | Theory I   | 3 |
| MUS 1101 | Musicianship I                                       | 1 |
| MUS 1302 | Theory II  | 3 |
| MUS 1102 | Musicianship II                                      | 1 |
| MUS 2301 | Theory III   | 3 |
| MUS 2101 | Musicianship III                                     | 1 |
| MUS 2302 | Theory IV  | 3 |
| MUS 2102 | Musicianship IV                                      | 1 |
| MUS 3301 | Theory V   | 3 |
| MUS 3324 | The History of Music before 1600                     | 3 |
| MUS 3325 | The History of Music from 1600 to 1800               | 3 |
| MUS 3326 | The History of Music from 1800 to World War I        | 3 |
| MUS 3327 | The History of Music from World War I to the Present | 3 |
| MUS 1001 | Recital Attendance (six semesters)                   | 0 |

**Electives**

See the School of Music section of this catalog for specific requirements.

**Major**

See School of Music section of this catalog for specific requirements.

<sup>1</sup> Two semesters of language study may be substituted for either the Natural World or the Social World requirement.

**Note:** Students who pursue a BM, BME, or BA (Music) degree (other than string majors) will encounter scheduling conflicts between required BIC classes and required music ensembles, making participation in the BIC impossible.

## Bachelor of Music Education (BIC)

### School of Music

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

**Requirements**

Minimum Requirements – 148-150 sem. hrs.

Residence Requirement – minimum (including the last thirty hours) - 60 hrs.

Grade point average – minimum of 2.50 ("C") overall and also in the major for work done at Baylor.

**Interdisciplinary Core Requirements***World Cultures*

|          |   |   |
|----------|---|---|
| BIC 1314 | World Cultures I: Roots of Culture                | 3 |
| BIC 1324 | World Cultures II: Religion and Culture           | 3 |
| BIC 2334 | World Cultures III: The Modern World              | 3 |
| BIC 2344 | World Cultures IV: The United States in the World | 3 |

*The World of Rhetoric**The Social World*

|                        |  |   |
|------------------------|--|---|
| BIC 1313<br>& BIC 1323 | World of Rhetoric I<br>and World of Rhetoric II: Rhetoric in<br>Context  | 6 |
| BIC 2330<br>& BIC 2340 | Social World I: The City and the Soul<br>and Social World II: The Conditions and<br>Possibilities of Human Fulfillment | 6 |

*The Natural World*

|                        |  |   |
|------------------------|--|---|
| BIC 2437<br>& BIC 2447 | The Natural World I: Primary Ideas in<br>Science<br>and The Natural World II: Global Science<br>Issues | 8 |
|------------------------|--|---|

*The Examined Life*

|                        |   |   |
|------------------------|---|---|
| BIC 1112<br>& BIC 3358 | Examined Life<br>and Examined Life II: Biblical Heritage and<br>Contemporary Ethical Issues | 4 |
|------------------------|---|---|

**Additional Core Requirements**

Chapel – two semesters, usually freshman year 0

**Music Core Requirements**

|          |  |   |
|----------|--|---|
| MUS 1301 | Theory I   | 3 |
| MUS 1101 | Musicianship I                                       | 1 |
| MUS 1302 | Theory II  | 3 |
| MUS 1102 | Musicianship II                                      | 1 |
| MUS 2301 | Theory III   | 3 |
| MUS 2101 | Musicianship III                                     | 1 |
| MUS 2302 | Theory IV  | 3 |
| MUS 2102 | Musicianship IV                                      | 1 |
| MUS 3301 | Theory V   | 3 |
| MUS 3324 | The History of Music before 1600                     | 3 |
| MUS 3325 | The History of Music from 1600 to 1800               | 3 |
| MUS 3326 | The History of Music from 1800 to World War I        | 3 |
| MUS 3327 | The History of Music from World War I to the Present | 3 |
| MUS 1001 | Recital Attendance (six semesters)                   | 0 |

**Major**

See School of Music section of this catalog for specific requirements.

**Note:** Students who pursue a BM, BME, or BA (Music) degree (other than string majors) will encounter scheduling conflicts between required BIC classes and required music ensembles, making participation in the BIC impossible.

# School of Nursing

## Bachelor of Science in Nursing (BIC)

### School of Nursing

| Code  | Title  | Hours |
|---|--|-------|
| Requirements  |  |       |
| Minimum Requirements  |  | (131) |
| Grade point average – minimum of 2.00 (“C”) overall and in the major for work done at Baylor. |  |       |
| Interdisciplinary Core Requirements   |  |       |
| World Cultures  |  |       |
| BIC 1314  | World Cultures I: Roots of Culture   | 3     |
| BIC 1324  | World Cultures II: Religion and Culture  | 3     |
| BIC 2334  | World Cultures III: The Modern World   | 3     |
| BIC 2344  | World Cultures IV: The United States in the World  | 3     |
| The World of Rhetoric   |  |       |
| BIC 1313 & BIC 1323   | World of Rhetoric I and World of Rhetoric II: Rhetoric in Context  | 6     |
| The Social World  |  |       |
| BIC 2330 & BIC 2340   | Social World I: The City and the Soul and Social World II: The Conditions and Possibilities of Human Fulfillment | 6     |
| The Examined Life   |  |       |
| BIC 1112 & BIC 3358   | Examined Life and Examined Life II: Biblical Heritage and Contemporary Ethical Issues                            | 4     |
| Additional Core Requirements  |  |       |

## Great Texts Program

The Great Texts program is an interdisciplinary program that explores the richness and diversity of the Western intellectual heritage. The centerpiece of the program is a major and minor concentration of studies that students may select as the focus of their undergraduate education. Students pursuing a major in Great Texts of the Western Tradition will find a sustained curriculum in the greatest works of human intellectual and creative achievement which will be a profound asset in any profession or graduate study. Students in the applied arts may want to pursue a second major or a minor in Great Texts to strengthen their liberal arts background and broaden their educational horizons. Students pursuing a bachelor of arts degree will see the Great Texts major as a foundational study for any traditional humanities discipline, and students in the sciences will find this major to offer an opportunity to read broadly about the history of human thought, including the history of science.

- Great Texts of the Western Tradition, B.A. (p. 432)
- Great Texts of the Western Tradition - Secondary Major (p. 433)
- Great Texts of the Western Tradition Minor (p. 434)

## Great Texts of the Western Tradition, B.A.

### B.A. Degree

#### Requirements for a Major in Great Texts of the Western Tradition

| Code   | Title   | Hours |
|--|---|-------|
| Requirements   |   |       |
| All specific and group requirements for the Bachelor of Arts degree. |   |       |
| Thirty semester hours including the following:                       |   |       |
| Great Text Core  |   |       |
| GTX 2301   | Intellectual Traditions of the Ancient World : Literature and Thought | 3     |
| GTX 2302   | Medieval Intellectual Traditions: Literature and Thought in Context   | 3     |
| GTX 3320   | Middle Ages   | 3     |
| GTX 3321   | Early Modern Age  | 3     |
| GTX 4320   | Eighteenth and Nineteenth Centuries                                   | 3     |
| GTX 4321   | Twentieth Century   | 3     |
| GTX 4343   | Great Texts Capstone Course   | 3     |
| Great Texts Concentration  |   |       |
| Select one Concentration from the following:                         |   | 9     |
| General (p. 432)   |   |       |
| Liberal Arts (p. 433)  |   |       |
| Pre-Law (p. 433)   |   |       |
| Pre-Medicine (p. 433)  |   |       |
| Pre-Seminary (p. 433)  |   |       |
| Total Hours  |   | 30    |

Students in the Baylor Interdisciplinary Core (BIC) Program who complete the BIC requirements through the second-year can receive credit six hours of lower-level GTX credit toward the major or minor.

## Great Texts of the Western Tradition (General), B.A.

### Requirements for a Concentration in General Great Texts

| Code  | Title | Hours |
|---|-------|-------|
| Concentration Requirements  |       |       |
| Nine semester hours of GTX, six of which must be at the 3000-4000 level |       | 9     |
| Total Hours   |       | 9     |



## Great Texts of the Western Tradition (Liberal Arts), B.A.

### Requirements for a Concentration in Liberal Arts

| Code                              | Title   | Hours    |
|-----------------------------------|---|----------|
| <b>Concentration Requirements</b> |   |          |
| GTX 3360                          | Great Texts in the Principles of the Liberal Arts | 3        |
| GTX 3361                          | Great Texts in the Practice of the Liberal Arts   | 3        |
| GTX 4360                          | Internship in the Liberal Arts                    | 3        |
| <b>Total Hours</b>                |   | <b>9</b> |

## Great Texts of the Western Tradition (Pre-Law), B.A.

### Requirements for a Concentration in Pre-Law

| Code  | Title   | Hours    |
|---|---|----------|
| <b>Concentration Requirements</b>               |   |          |
| Nine semester hours including the following:    |   |          |
| GTX 3350  | Great Texts in Leadership                         | 3        |
| GTX 4351  | Confession and Autobiography                      | 3        |
| Select three semester hours from the following: |   |          |
| Any three semester hours of GTX                 |   |          |
| HIS 4375  | The American Civil Rights Movement                |          |
| HIS 4395  | History of American Thought, 1630-1859            |          |
| HIS 4396  | History of American Thought, 1859 to Present      |          |
| PHI 3301  | Moral Philosophy                                  |          |
| PHI 4318  | Philosophy of Law                                 |          |
| PSC 3353  | American Political Thought                        |          |
| PSC 3363  | Western Political Thought: Classical and Medieval |          |
| PSC 3373  | Western Political Thought: Modern                 |          |
| PSC 4383  | Contemporary Political Thought                    |          |
| PWR 4309  | Undergraduate Research and Publication            |          |
| REL 4393  | Environmental Ethics                              |          |
| REL 4395  | Bioethics   |          |
| <b>Total Hours</b>                              |   | <b>9</b> |

## Great Texts of the Western Tradition (Pre-Medicine), B.A.

### Requirements for a Concentration in Pre-Medicine

| Code   | Title | Hours |
|--|-------|-------|
| <b>Concentration Requirements</b>            |       |       |
| Nine semester hours including the following: |       |       |

|   |   |          |
|---|---|----------|
| GTX 3343  | Great Texts in the Origins of Science               | 3        |
| GTX 4341  | Great Texts in Modern Science                       | 3        |
| Select three semester hours from the following: |   | 3        |
| Three semester hours of GTX courses             |   |          |
| HIS/MH/PHI 4300                                 | History of Medicine                                 |          |
| PHI 4325  | Literary and Philosophical Perspectives on Medicine |          |
| PHI 4363  | Philosophy and Medicine                             |          |
| REL 4395  | Bioethics   |          |
| <b>Total Hours</b>                              |   | <b>9</b> |

## Great Texts of the Western Tradition (Pre-Seminary), B.A.

### Requirements for a Concentration in Pre-Seminary

| Code   | Title                                 | Hours    |
|--|---------------------------------------|----------|
| <b>Concentration Requirements</b>            |                                       |          |
| Nine semester hours including the following: |                                       |          |
| GTX 3331                                     | Great Texts in Christian Spirituality | 3        |
| GTX 4331                                     | Augustine and Aquinas                 | 3        |
| GTX 4332                                     | Master Works in Theology              | 3        |
| <b>Total Hours</b>                           |                                       | <b>9</b> |

## Great Texts of the Western Tradition - Secondary Major

### Requirements for a Secondary Major in Great Texts

| Code  | Title   | Hours     |
|---|---|-----------|
| <b>Required Courses</b>                                       |   |           |
| Thirty semester hours including the following:                |   |           |
| GTX 2301  | Intellectual Traditions of the Ancient World : Literature and Thought | 3         |
| GTX 2302  | Medieval Intellectual Traditions: Literature and Thought in Context   | 3         |
| GTX 3320  | Middle Ages   | 3         |
| GTX 3321  | Early Modern Age  | 3         |
| GTX 4320  | Eighteenth and Nineteenth Centuries                                   | 3         |
| GTX 4321  | Twentieth Century   | 3         |
| GTX 4343  | Great Texts Capstone Course   | 3         |
| Nine additional semester hours of 3000-4000 level GTX courses |   | 9         |
| <b>Total Hours</b>  |   | <b>30</b> |

# Great Texts of the Western Tradition Minor

## Requirements for a Minor in Great Texts of the Western Tradition

| Code  | Title   | Hours     |
|---|---|-----------|
| <b>Required Courses</b>   |   |           |
| Eighteen semester hours including the following:                        |   |           |
| Select at least three semester hours from the following:                |   | 3         |
| GTX 2301  | Intellectual Traditions of the Ancient World : Literature and Thought |           |
| GTX 2302  | Medieval Intellectual Traditions: Literature and Thought in Context   |           |
| Fifteen semester hours of GTX, nine of which are at the 3000-4000 level |   | 15        |
| <b>Total Hours</b>  |   | <b>18</b> |

## Honors Program

Established in 1959, the Honors Program offers talented, highly motivated students at the university the opportunity to broaden their intellectual horizons in numerous ways. Through exploring their major fields of study intensely, through integrating many areas of knowledge, and through application of independent research techniques, Honors Program students form a community of shared learning with one another and with faculty members from all disciplines. All University Scholars are also automatically part of the Honors Program. The Honors Program is a four-year departmental and interdisciplinary program consisting of the features described below. Students admitted into the Honors Program become eligible to apply for residence in the Honors Residential College.

## Lower-Division Honors

### Honors Classes

During the first and second years, participants in the program enroll in special Honors sections of certain courses required for the bachelor's degree. The subject matter of these sections is the same as that of regular sections, but the instruction, discussions, and supplementary readings are adapted to the interests and capabilities of superior students. Participants are expected to complete at least seven Honor units (roughly twenty-one credit hours in Honors coursework or the approved equivalent) no later than the completion of the second full year of academic study (sixty hours). They should maintain an overall grade point average and an Honors grade point average of at least 3.5.

### First-Year Seminars

First-Year Seminars are Honors courses that allow freshmen to explore special topics with Honors faculty from across many disciplines. The seminars are designed to encourage the early acquisition of critical thinking, writing, and research skills and to introduce freshmen to opportunities for cultural and intellectual enrichment on campus.

### Great Texts Courses

The Great Texts courses (GTX) designed for the Honors Program focus on the reading and discussion of classic texts in the intellectual tradition of liberal arts and sciences. Two Honors GTX courses are required as part of the lower-division Honors curricula and contribute six hours to the twenty-one hours of Honors courses. The Great Texts courses will

sometimes substitute for designated courses in the core curricula. All Honors Program students completing majors within the College of Arts & Sciences must select from one of the following four courses to satisfy their Literature in Context Distribution List requirement:

| Code     | Title   | Hours |
|----------|---|-------|
| CLA 2301 | Literature of Ancient Greece  | 3     |
| CLA 2302 | Literature of Ancient Rome  | 3     |
| CLA 2306 | Greek and Roman Mythology   | 3     |
| GTX 2301 | Intellectual Traditions of the Ancient World : Literature and Thought | 3     |

## Upper-Division Honors

Students completing the requirements of lower-division Honors with an overall grade point average of at least 3.5 may continue with their Honors Program track during their remaining semesters at Baylor. Students with a grade point average slightly below 3.5 at this time may petition the program director to continue with Honors on a probationary status. Students who have not participated in Honors during their first sixty hours at Baylor may apply for admission if they have a 3.5 overall grade point average and have the recommendation of the department in which they are majoring. These upper-division Honors students complete the following elements of advanced scholarship.

### Honors Colloquium

Beginning the fall semester of the third year (or as early as spring of the second year with permissions) participants enroll in a two-hour Colloquium course where small, informal groups meet regularly during each semester to discuss significant books and issues in various academic disciplines. The Colloquium course may concentrate on Great Texts, but most sections serve to familiarize Honors students with a variety of contemporary issues and with the unique perspectives of scholarly disciplines outside their major fields.

### Junior/Senior Advanced Study in the Major Field

Participants may select up to three junior- or senior-level courses in which, by contract with the faculty of each course, they pursue advanced academic study beyond that required of non-Honors students enrolled in the same course. Often the advanced study of these junior-level courses becomes a part of the senior thesis project.

### Advanced Readings and Research

During the junior year, Honors students undertake two sections of "Advanced Readings" (one hour each), in order to explore specific topics with the guidance of a faculty mentor. These readings courses enable students to begin to define an area of research interest that will become the basis for the Honors thesis. The Honors Program may also host seminars for these students on research methods and thesis-writing strategies.

### Honors Thesis

Beginning with the Advanced Readings courses (see above) and continuing into the four hours of senior-year Honors Thesis courses, upper-division Honors students apply the methods of their chosen discipline(s) to the investigation of a specific topic of interest. The result of this investigation is a thesis project directed by a Baylor faculty member, who is selected by the Honors student in consultation with program faculty/staff. The thesis project introduces each Honors student to the techniques of research, analysis, writing, and performance that are encountered at the graduate level; it aims, in other words, to cultivate

the intellectual skills and habits that are essential to critical inquiry and advanced scholarship.

## Oral Examinations

To complete the requirements for graduation in Honors, participants must defend the Honors thesis in a one-hour oral examination before a committee consisting of the faculty director, at least one other departmental representative, and another Baylor faculty member or a member of the University's Honors faculty advisory committee. Whenever possible, a visiting examiner, competent in the student's major field, will also serve on the examining committee.

## Admission to the Program

Students interested in entering the program as freshmen should call 254-710-1119 or write for an application at:

Director, The Honors Program  
Baylor University  
One Bear Place # 97122  
Waco, TX 76798-7122  
<http://www.baylor.edu/honorsprogram> (<http://www.baylor.edu/honorsprogram/>)

## University Scholars Program

The University Scholars Program is designed for intellectually gifted, highly motivated students with a wide range of interests and a genuine love of learning. The program seeks to broaden these students' backgrounds in the liberal arts while preparing them for a career through concentrated study in several areas. In order to achieve their full academic potential, University Scholars enjoy exclusive exemption from virtually all core curriculum requirements. Additionally, since "University Scholars" is a declared major, these students are not subject to the specialized course requirements of a traditional major though they may declare a minor or secondary major. As a result, Scholars are free to create an individualized course of study with the advice of a program director who mentors them throughout their entire four years.

## Admission to the Program

To ensure that students gain the full benefit from the program, University Scholars will not accept students who have fewer than three years or 90 hours remaining to complete their undergraduate degree at Baylor. All Scholars must therefore complete at least 90 hours as students within the program.

The following are the criteria for admission into the University Scholars Program:

1. Responses to the three essay questions on the Honors College application
2. Class rank and GPA
3. SAT/ACT/CLT scores are optional and may be considered, if available

## Maintaining University Scholars Status

To remain in and graduate from the program, Scholars must maintain a 3.5 minimum grade point average. If released from the program, students must then fulfill the general requirements of the university in addition to the requirements for a major.

## When to Apply for Admission to the Program

Applicants are admitted and notified on a rolling basis throughout the year. Students who wish to know their status before the May 1 college notification deadline must apply with all related application materials no later than April 1. Interested students are encouraged to apply as early as possible for advising and housing purposes.

Admitted University Scholars are eligible to apply for housing in the Honors Residential College.

## The University Scholars Program and Other Special Programs

The University Scholars Program maintains a close relationship with both the Honors Program and the Baylor Interdisciplinary Core. All University Scholars are in the Honors Program and should, in discussion with their University Scholars director, complete the requirements for the Honors Program graduation.

For University Scholars in the Baylor Interdisciplinary Core, BIC courses will substitute for the following required UNSC courses: GTX 2301 Intellectual Traditions of the Ancient World : Literature and Thought, GTX 2302 Medieval Intellectual Traditions: Literature and Thought in Context, and UNSC 3301 University Scholars Capstone HNR.

## Degree Requirements

| Code  | Title   | Hours      |
|---|---|------------|
| <b>Requirements</b>   |   |            |
| REL 1310  | The Christian Scriptures  | 3          |
| REL 1350  | The Christian Heritage  | 3          |
| Chapel – complete two semesters                                 |   | 0          |
| GTX 2301  | Intellectual Traditions of the Ancient World : Literature and Thought | 3          |
| GTX 2302  | Medieval Intellectual Traditions: Literature and Thought in Context   | 3          |
| UNSC 3301   | University Scholars Capstone HNR                                      | 3          |
| UNSC 3001   | Exit Interview HNR  | 0          |
| <i>Thesis Preparation Courses</i>                               |   |            |
| HON 3100  | Advanced Readings & Research  | 1          |
| HON 3101  | Advanced Readings & Research  | 1          |
| HON 3200  | Colloquium  | 2          |
| HON 4V87  | Honors Thesis   | 4          |
| HON 4088  | Honors Exit Review  | 0          |
| <i>Areas of Interest</i>  |   |            |
| Complete 103 semester hours from areas of interest <sup>1</sup> |   | 103        |
| <b>Total Hours</b>  |   | <b>126</b> |

<sup>1</sup> Completion of at least 90 credit hours in residence.

The requirement for advanced credit, residence, chapel, and maximum credit are the same as for the Bachelor of Arts degree. Additional information about requirements is listed under the "General Regulations for the College of Arts & Sciences" and "General University Regulations."

# School of Music

## General Information

### The School of Music

As a vital professional school within Baylor University, the School of Music has been a member in good standing of the National Association of Schools of Music since 1930. Degrees offered in the School of Music satisfy all requirements of this accrediting agency. Degree programs leading to the Bachelor of Music Education degree also conform to certification requirements of the Texas Education Agency.

Regulations and requirements not specifically described in this section will be governed by University rules listed elsewhere in this catalog.

### Our Mission

The Baylor University School of Music provides transformational experiences that prepare students for careers in music. Our students thrive in a Christian environment characterized by a nurturing resident faculty, an unwavering pursuit of musical excellence, a global perspective, dedication to service, and devotion to faith. They investigate the rich musical and cultural heritage of the past, develop superior musical skills and knowledge in the present, and explore and create new modes of musical expression for the future. While preparing for future leadership roles, our students join with the School of Music faculty in enhancing the quality of community life, enriching the larger culture, and making Baylor a place in which heart, mind, and soul coalesce.

### Buildings and Equipment

The School of Music currently is housed in two facilities, the Waco Hall complex and the Glennis McCrary Music Building. The Waco Hall complex contains 500-seat Roxy Grove Hall, 120-seat Recital Hall II, as well as classroom, rehearsal, practice, and storage spaces. The Waco Hall complex also includes office and studio spaces for vocal and keyboard studies, music history, music theory, music education, composition, church music, and a suite devoted to piano pedagogy.

Housed within the multi-level 70,000 square-foot Glennis McCrary Music Building is the 1,000-seat Mary Gibbs Jones Concert Hall, the 200-seat Meadows Lecture/Recital Hall, and an organ teaching and performing hall. The building features seventy-eight practice and rehearsal rooms, a recording studio, technology lab, choral and instrumental rehearsal halls, special areas for chamber music and seminars, instrumental and choral music libraries, and studio and office spaces for the division of instrumental studies and ensemble directors.

Baylor University has one of the largest collections of organs in the country, six instruments for performance and teaching and numerous practice organs. The School of Music maintains an inventory of over 200 pianos including six Steinway concert grands and two electronic keyboard labs. A large variety of instruments for the study and performance of Renaissance and Baroque music, as well as electronic music laboratories, provide for a wide range of musical experiences.

### Fine Arts Library

The Crouch Fine Arts Library (CFAL), located on Level 3 of Moody Memorial Library building, provides outstanding collections for music study and research, including more than 116,000 music scores, 75,000 audio and visual recordings, and 54,000 fine arts books. The library also provides a wide variety of online resources to support music study, performance, and research. These include research databases for music literature as well as reference works, e-books, music scores, audio and

video recordings, and archival collections. Listening/viewing stations are available for all media types found in the Library, and a 12-station computer lab provides music software and MIDI keyboards as well as productivity applications. The CFAL has a variety of study spaces for individuals and groups, and two seminar rooms equipped with pianos, computers, projectors, Internet access, and high-quality speakers. Staff members are available to assist students and faculty members. More information is available from the CFAL website at <http://www.baylor.edu/library/finearts> (<http://www.baylor.edu/library/finearts/>).

### Artist Attractions

Each year, large numbers of professional artists perform and teach in the School of Music and serve as role models and mentors for students. The School of Music also presents visiting musicians of distinction as part of the Distinguished Artist Series (DAS) and the Lyceum Series. The DAS is a premier concert series funded by Baylor University. The Lyceum Series offers lectures, master classes, and workshops by outstanding artist teachers and is supported, in part, by a grant from the Meadows Foundation, Inc., of Dallas. Other special events include the Hearn Innovators in Christian Music Series and the Northcutt Lectures in Church Music and the Joy Vee Davis Lecture Series in Music Education.

### Music Societies and Clubs

The following national groups have chapters in the School of Music: Mu Phi Epsilon, national music fraternity; Phi Mu Alpha Sinfonia, national professional music fraternity; Kappa Kappa Psi, national honorary band fraternity; Tau Beta Sigma, national honorary band sorority, and Pi Kappa Lambda, national music honor society. There are student chapters of the Music Educators National Conference and the Music Teachers National Association, and the Baylor Association of Church Musicians.

### Center for Christian Music Studies

Established in 1984 as the Institute for Church Music and Worship, the Center for Christian Music Studies is an integral part of the School of Music. The Center strives to prepare Christians to serve and worship God through music and the arts.

### Performing Ensembles

The School of Music offers a full array of bands, choirs, orchestras, and smaller ensembles, such as jazz and early music ensembles. Any Baylor student in any major may audition for and perform in one of these ensembles and, in doing so, can experience one of the joyous experiences in Baylor campus life. To participate, students should contact the School of Music or the office of the ensemble of interest.

### Entrance Requirements in Music

**In addition to admission to the University, an applicant for any music major must apply to the School of Music and audition on their principal instrument for acceptance in the school.** Please note, the music application is separate from the Baylor University application. Students accepted as music majors are notified by the Office of the Dean. Detailed information about audition expectations and repertoire are available on the School of Music website. Applicants for a major in church music, music history and literature, music theory, or composition must, additionally, be approved by the faculty of that program. Students who wish to major in music history and literature or music theory are required to submit a sample of their research or writing.

## Tests

Candidates applying for entrance into any applied music or music theory class must give evidence of being prepared for the work therein, as demonstrated by placement tests.

### Placement Tests – Piano

In addition to admissions auditions in their applied major, all freshmen and transfer students entering a music degree program will take a piano placement test prior to initial enrollment in a piano course. At the placement, each student's level of competency (in repertoire, technique, reading, and skill activities) will be assessed, and the student will be placed at the appropriate level within the curriculum. Students with preexisting keyboard skills may test out of one or more semesters of piano instruction.

### Placement Tests – Theory and Musicianship

An entrance test in music theory to determine the student's background and readiness for admission to Music Theory I and either Introductory Musicianship or Musicianship I is given prior to initial enrollment in a theory course. Transfer students must take a transfer theory diagnostic exam prior to enrollment in a theory course.

### Achievement Tests – Applied Music Juries

All students taking applied music for credit toward a music degree must take an achievement test in applied music at the end of each semester.

### Barrier Placement Juries – Applied Music

Students may register for upper division courses in applied music only after successfully completing the sophomore barrier placement jury.

### Credit in Applied Music

Majors in all applied music areas except keyboard will receive two semester hours credit for an hour of instruction at the lower division (freshman-sophomore) level, and two to four hours at the upper division and graduate levels. Piano and organ majors will receive three or four semester hours credit for an hour of instruction throughout their entire degree programs. All other students will receive one semester hour credit per half-hour lesson. The maximum amount of credit that can be earned in one applied music subject in any one semester is four semester hours. No student may be registered for more than one section of a given applied music subject in a semester.

In a summer-session term, five hours of private instruction are given for one hour of credit, and ten hours of instruction are given for two hours of credit. The maximum credit that can be earned in a summer term in one subject of applied music is two semester hours. The maximum total applied music credit that can be earned in one summer session term is three semester hours. Applied music courses are only open in summer sessions to B.M., B.M.Ed., or B.A. Music-Applied students in their primary applied concentration with the approval of the Associate Dean for Academic Affairs.

### Applied Music Credit on Non-Music Degrees

A maximum of ten semester hours of applied music and/or ensemble is accepted on the Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration degrees as elective credit.

### Transfer Credit

Credit in music courses earned in accredited institutions is accepted for transfer subject to the following provisions:

1. The minimum grade accepted for transfer is "C."
2. Credit in applied music toward a major in applied music is accepted only after a test to determine the actual accomplishment of the student in technique and repertoire.

### Course Numbers for Applied Music

All applied music subjects (private instruction) have four elements. The first digit indicates the level as follows:

| Digit | Family                 |
|-------|------------------------|
| 1     | Undergraduate          |
| 3     | Advanced Undergraduate |
| 5     | Graduate               |

The second digit indicates the amount of credit in semester hours. It is followed by a letter indicating the instrument "family":

| Digit | Family         |
|-------|----------------|
| V     | for voice      |
| B     | for brass      |
| P     | for percussion |
| K     | for keyboard   |
| S     | for strings    |
| H     | for harp       |
| W     | for woodwinds  |

The last digit identifies the instrument within the "family" as follows:

| Digit | Family           |
|-------|------------------|
| K1    | for piano        |
| K2    | for organ        |
| K3    | for harpischord  |
| K4    | for carillon     |
| K5    | for accompanying |
| W1    | for flute        |
| W2    | for oboe         |
| W3    | for clarinet     |
| W4    | for bassoon      |
| W5    | for saxophone    |
| B1    | for trumpet      |
| B2    | for horn         |
| B3    | for trombone     |
| B4    | for euphonium    |
| B5    | for tuba         |
| S1    | for violin       |
| S2    | for viola        |
| S3    | for cello        |
| S4    | for bass         |
| P1    | for percussion   |
| P2    | for timpani      |
| V1    | for voice        |
| H1    | for harp         |

Applied *class instruction* subjects are:



| Code     | Title  | Hours |
|----------|--|-------|
| MUS 1131 | Class Piano, Grade Level I (For Music Majors) (grade level Is)     | 1     |
| MUS 1132 | Class Piano, Grade Level II (For Music Majors) (grade level IIs)   | 1     |
| MUS 1133 | Class Piano, Grade Level III (For Music Majors) (grade level IIIs) | 1     |
| MUS 1124 | Class Voice (generally for non-performance majors)                 | 1     |
| MUS 1125 | Beginning Class Piano (instruction for non-music majors)           | 1     |

## Student Load

The maximum credit load for an average student seeking the degree of Bachelor of Music or Bachelor of Music Education is nineteen semester hours. The maximum load for an entering freshman is sixteen semester hours. Superior students (who average the grade of "B" on all previous work as well as on the work of the preceding term) may carry up to twenty-two semester hours with the approval of the Associate Dean for Academic Affairs.

## Recitals

### Junior and Senior Recitals

A senior recital is required of every degree candidate in applied music. It must be completed no later than two weeks before commencement. A junior recital is required of every prospective graduate in applied music as prerequisite for senior work. Junior or senior recitals may be given only by students of junior or senior standing (sixty or ninety semester hours, respectively).

All B.M.E. candidates are required to give a public solo performance demonstrating their ability in their applied major. A hearing must be passed prior to the performance. The performance must be a half-recital to be given in a formal recital setting.

The student must be enrolled for applied music during the term in which the recitals are given.

All composition majors will present a recital of their works while enrolled in MUS 40C1 Degree Recital - Composition.

### Recital Attendance

All B.M., B.M.E., and B.A. Music majors must successfully complete six semesters of MUS 1001 Recital Attendance (0 hours credit, graded Pass/Fail). MUS 1001 Recital Attendance requirements for secondary music majors and music minors are listed in the sections outlining the requirements for that program. Specific regulations concerning satisfaction of the MUS 1001 Recital Attendance requirement may be found in the course syllabus.

## Ensembles

All students pursuing a B.M. or B.M.E. degree must be enrolled in a large ensemble every semester of residence, except for the student teaching semester for B.M.E. students. Large ensembles include: Instrumental – Baylor Symphony, Campus Orchestra, Wind Ensemble, Symphonic Band, Concert Band, and Marching Band; Vocal – A Cappella Choir, Concert Choir, Chamber Singers, Bella Voce, Men's Choir, and Women's Choir. Upon completion of two semesters of large ensemble participation, ensemble requirements for Keyboard majors may be fulfilled by Studio Accompanying, Chamber Music, and Piano Ensemble. See individual keyboard degree programs for details.

## Course Repetition Policy

Students enrolled in music degrees (B.M., B.M.E., B.A. Music) may not repeat a course in the Music Core or in their major after receiving a grade of F in that course for the second time.

## Class Attendance Policy

School of Music policy requires that to earn credit in a course a student must be officially enrolled by the end of the second full week of the semester and attend at least 75% of all class meetings. Faculty members may establish additional attendance requirements as outlined in course syllabi. Any student who is not present for at least 75% of the scheduled class sessions for any course will automatically receive a grade of "F" in the course. Any University-related activity necessitating an absence from class will count as an absence when determining whether a student has attended the required 75% of class meetings.

## Honors Program

School of Music students participate in many of the programs offered by the Honors Program within the Baylor Honors College. For detailed information concerning these opportunities, consult the Honors College section of this catalog.

## Special Music Scholarships

Numerous music scholarships are awarded annually to music majors. These are in addition to any financial aid a student may receive from the University through the Student Financial Aid Office. Qualifying for a music scholarship is by the audition process. Scholarships are awarded for one academic year (unless otherwise specified) and are renewable contingent upon sustaining a satisfactory grade point average, enrollment as a fulltime student in the School of Music, and other participation expectations and requirements. Students are recommended for scholarships to the Office of the Dean by the School of Music Scholarship Committee each year. Detailed information about the audition process and for receiving music scholarships may be found in the Student Handbook on the School of Music website.

## Endowed Scholarships

School of Music scholarships are funded by generous gifts from donors. Most are named in honor of an individual or individuals whose memories will live on in perpetuity through these wonderful endowments. The School of Music is deeply grateful for the following endowed scholarships:

The Rildia Bee O'Bryan Cliburn Endowed Scholarship  
The Mary Etta Mason Memorial Scholarship  
The Robert and Enid Markham Organ Scholarship  
The Martha Barkema Voice Scholarship  
The Jeannette C. Clift Music Scholarship  
The Omie Scarborough Clements Memorial Scholarship  
The Mark Evyan Hollis Golden Wave Band Scholarship  
The Stivers Memorial Music Scholarship Fund  
The D. Wesley and E. Kay Anthony Music Scholarship  
The Ruby Poole Music Scholarship  
The Elizabeth Brient Smith Endowed Piano Scholarship  
The Florine Beall Shank Scholarship  
The Ruth Dean Morris Music Scholarship  
The Bedford D. and Joyce Harlan Edwards Scholarship  
The Luther Alvin and Audrey M. Griffith Memorial Scholarship Fund  
The Columbus Avenue Baptist Church Scholarship  
The Houston Gala Scholarship for Exceptional Music Students  
The Lois Elizabeth Smith Memorial Music Scholarship

- The Mary Francis Crumpler Sharp Church Music Scholarship  
 The Lyle Skinner Scholarship  
 The Bernard A. and Bessie Hess Smith Award  
 The Gladys C. Stinson Scholarship  
 The Walter and Emilie Spivey Endowed Scholarship  
 The Martha Barkema Mu Phi Epsilon Scholarship  
 The Fred and Princess Cameron Music Scholarship  
 The Mollie Waldrop Cowden Music Scholarship  
 The Alan Wrotenbery Scholarship Fund  
 The John McFadden Memorial Music Scholarship  
 The Ruth G. Burr Endowed Academic Scholarship Fund  
 The Silvio and Isabel Scionti Piano Scholarship  
 The Dean's Award for Outstanding Performance  
 The Golden Wave Alumni Band Scholarship  
 The Richard A. and Helen Ann Shanley Endowment Fund Scholarship  
 The Helen Ann Shanley Endowed Music Scholarship  
 The Mary Ila and O. Herbert Colvin Endowed Scholarship  
 The Lois Barfield Wimberly Endowed Scholarship  
 The Kenneth Gauntt Scholarship Fund  
 The Ruby Lee McKellar Endowed Memorial Music Scholarship Fund  
 The Jon Anne Jackson Endowed Scholarship Fund  
 The Thelma Jackson Smith Endowed Scholarship Fund  
 The Richard M. Willis Fellowship in Composition Endowed Scholarship Fund  
 The Robert H. and Betty B. Young Endowed Music Scholarship Fund  
 The Virginia Furrow Singers Music Scholarship  
 The Ruby V. Burns Memorial Scholarship Fund  
 The Johnnie and Jessie Gilstrap Memorial Scholarship Fund in Organ  
 The John F. Baugh Endowed Scholarship Fund  
 The Tom and Joan Branyon Scholarship  
 The William E. and Alice Rebecca Carson Memorial Endowment Scholarship  
 The Robert G. and Lorene Carson Bowers Scholarship  
 The Lorene Taylor and Floyd F. Davidson Endowed Scholarship Fund in Music  
 The William Carey Ring Memorial Endowed Band Scholarship Fund  
 The Ann Peebles Cunningham Piano/Voice Endowed Scholarship Fund  
 The Miriam Elizabeth Hebert Memorial Endowed Scholarship Fund  
 The Erkalene McCormack Ousley Endowed Scholarship Fund in Music Education  
 The Joyce Jones Organ Scholar Award  
 The Robert H. and Betty B. Young Endowed Choral Music Fund  
 The Kenneth Howard Choral Music Education Endowed Award Fund  
 The Norman Petty Memorial Choral Endowed Scholarship Fund  
 The C. E. and Gladys M. Bedwell Endowed Scholarship Fund in Piano  
 The Lucille Ashby Dufner Endowed Scholarship Fund in Music  
 The Fay Brannon Ebeling and Clara Brannon Ransome Endowed Scholarship Fund in Music  
 The H. Wendell and Ethel K. Ford Scholarship Fund  
 The John Mark and Geraldine Mills Lilley Endowed Scholarship Fund in Music  
 The W. E. Livesay Endowed Music Scholarship Fund  
 The William C. Lortz Music Scholarship Fund  
 The Christine and Euell Porter Endowed Music Scholarship  
 The Elizabeth Parkhill Scott Golden Wave Band Endowed Scholarship Fund  
 The Merle Moore Smith Piano Scholarship Fund  
 The Mildred Vermillion Soniat Memorial Scholarship Fund  
 The Willard J. and Betty Still Endowed Scholarship Fund  
 The Lloyd E. and Jan Dube Swiggum Endowed Scholarship Fund in Music  
 The Joan T. Trew Family Endowed Scholarship Fund in Music  
 The John Mack Ousley Endowed Scholarship
- The Jack Terrell Family Endowed Scholarship in Church Music  
 The Dwain and Carolyn Bruner Golden Wave Band Endowed Scholarship  
 The William Jr. and Mary Covington Endowed Scholarship Fund in Christian Music  
 Zachary Evans Retz Memorial Endowed Scholarship Fund in Music  
 Donald I. Moore Endowed Scholarship Fund  
 Hugh Sanders Memorial Endowed Scholarship Fund in Choral Music  
 The Harold and Bettye Green Endowed Music Scholarship Fund  
 The C. T. "Sparkey" and Merrie Beckham Endowed Academic Scholarship  
 The Marilyn Thompson Mueller Endowed Academic Scholarship Fund  
 The Lester N. and Mable Yeager Music Scholarship Fund  
 The Gullledge Memorial Music Scholarship  
 The Mr. and Mrs. Walker G. Harman Music Scholarship  
 The Friends of the School of Music Scholarship Fund  
 The A. L. Shelton Music Scholarship  
 The Sidney Lee and Cora Lynn Brannon Memorial Scholarship Fund  
 The Joel M. Lamkin Memorial Scholarship Fund  
 The Gladys H. and Granville C. Morton Scholarship Fund  
 The Anel M. Unger Scholarship  
 The Larry Vanlandingham Music Scholarship  
 The Billy Ray and Joan Hearn Music Scholarship  
 The Dr. Elwyn A. Wienandt Music Scholarship Fund  
 The Betty Patterson Music Scholarship Fund  
 The Waco Symphony Council Endowed Scholarship Fund  
 The Eula Mae Baugh Endowed Music Scholarship  
 The Josephine and George Musselman Endowed Music Scholarship Fund  
 The C. Gwin and Brenda K. Morris Endowed Scholarship Fund  
 The Mr. and Mrs. E. C. Kellogg Memorial Music Scholarship  
 The Glennis McCrary Goodrich Scholarship Fund in Music  
 The Carl and Becky Bradley Golden Wave Band Endowed Scholarship Fund  
 The Bonnie Williams Christensen Memorial Music Scholarship Fund  
 The Gene and Ruth Royer School of Music Endowed Scholarship Fund  
 The Virginia Glen-Calvert Endowment Music Scholarship Fund  
 The Robert T. and Ann V. Miller Endowed Scholarship Fund in Music  
 The Logan Family Fund for Endowed Music Scholarships  
 The Getterman Family Endowed Scholarship Fund in Music  
 The Babs Baugh Endowed Scholarship Fund in Music  
 The Katherine Jane Herlihy Memorial Endowed Music Scholarship Fund  
 The Vinnie Edwards and Robert Hardee McCrary Memorial Scholarship Fund  
 The Nell Milburn Menn Endowed Scholarship Fund  
 The Ted and Sue Getterman Family Endowed Scholarship Fund in Music  
 The Randy and Jeanine Haube Lofgren Endowed Scholarship Fund in Music  
 The Joseph Hal and Allyne Machat Endowed Scholarship Fund in Music  
 The Kay Pitzer Mallett Endowed Scholarship Fund  
 The Anna and Harry Jeanes Endowed Scholarship Fund in the School of Music  
 The Ann Wells Harder Endowed Scholarship fund in Music  
 The Barbara Kay Weathers Endowed Scholarship Fund in Music  
 The Bennett-Cowan Endowed Scholarship Fund in Music  
 The Dean William May Endowed Scholarship Fund  
 The Jimmie and Arthur Stelley Endowed Scholarship in Music  
 The Sarah Harvey Wilkinson and W. James Wilkinson Endowed Scholarship fund in Music  
 The Jack Stewart Endowed Scholarship Fund in Music  
 The Jim and Tammy Ekrut Endowed Scholarship Fund  
 The Billy Ray Hearn Scholarship Fund  
 The Rebecca Crews Chapman Endowed Scholarship in Voice  
 The Kelley/Weldert Family Scholarship in Music  
 The Newsome/Anderson Music Scholarship

The Kurt and Patricia Kaiser Music Scholarship  
 The Vara Martin Daniel Music Scholarship  
 The Patrick and Beth Musgrave Music Scholarship  
 The Wayne Fisher Jazz Scholarship  
 The Eula Merle Harrison Music Scholarship  
 The Dr. Mary & Thomas Sanders Music Scholarship  
 The Barbara Bennet Music Scholarship  
 The Arthur and Geneva DeLoach Music Scholarship  
 The Asa and Dorothy Newsome Music Scholarship  
 The Daniel Sternberg/Rountree Music Scholarship  
 The Center for Christian Music Scholarship

## Music Scholarships for Non-Music Majors

Most scholarships in the School of Music are reserved for music majors only. There are awards available, however, for special student contributors to the ensemble program, such as, those who serve in leadership roles in the Baylor University Golden Wave Marching Band.

## Classroom Music Courses

| Code  | Title                                   | Hours |
|---|---|-------|
| Classroom music hours may be selected from the following: |   |       |
| MUS 2207  | Elementary Composition I                | 2     |
| MUS 2208  | Elementary Composition II               | 2     |
| MUS 3135  | Special Learners in the Music Classroom | 1     |
| MUS 3202  | Choral Arranging and Composition        | 2     |
| MUS 3203  | Arranging for Popular and Jazz Idioms   | 2     |
| MUS 3207  | Composition                             | 2     |
| MUS 3212  | String Methods (For String Majors)      | 2     |
| MUS 3260  | Instrumental Conducting                 | 2     |
| MUS 3261  | Choral Conducting                       | 2     |
| MUS 3306  | Orchestration                           | 3     |
| MUS 3307  | Intermediate Composition                | 3     |
| MUS 3308  | Intermediate Composition                | 3     |
| MUS 3310  | Beginning Jazz Improvisation            | 3     |
| MUS 3312  | Piano Pedagogy I                        | 3     |
| MUS 3313  | Piano Pedagogy II                       | 3     |
| MUS 3314  | Piano Pedagogy III                      | 3     |
| MUS 3321  | Music in World Cultures                 | 3     |
| MUS 3322  | Popular Musics                          | 3     |
| MUS 3323  | Jazz and its History                    | 3     |
| MUS 4203  | Electroacoustic Music Composition       | 2     |
| MUS 4204  | Advanced Orchestration                  | 2     |
| MUS 4205  | Theoretical Systems                     | 2     |
| MUS 4210  | Organ Methods                           | 2     |
| MUS 4219  | Marching Band/Jazz Pedagogy             | 2     |
| MUS 4236  | Performer Wellness                      | 2     |
| MUS 4237  | Creative Entrepreneurship in Music      | 2     |
| MUS 4260  | Orchestral Conducting                   | 2     |
| MUS 4261  | Advanced Choral Conducting              | 2     |
| MUS 4262  | Band Conducting                         | 2     |
| MUS 4301  | Advanced Analysis                       | 3     |
| MUS 4304  | Counterpoint                            | 3     |
| MUS 4305  | Advanced Counterpoint                   | 3     |
| MUS 4307  | Advanced Composition I                  | 3     |
| MUS 4308  | Advanced Composition II                 | 3     |

|          |  |     |
|----------|--|-----|
| MUS 4316 | Advanced Piano Pedagogy and Practicum II               | 3   |
| MUS 4321 | Symphonic Literature                                   | 3   |
| MUS 4322 | Piano Literature I                                     | 3   |
| MUS 4324 | Piano Literature II                                    | 3   |
| MUS 4325 | Opera Literature                                       | 3   |
| MUS 4326 | American Folk Music                                    | 3   |
| MUS 4327 | Song Literature I                                      | 3   |
| MUS 4329 | Song Literature II                                     | 3   |
| MUS 4331 | Band Literature  | 3   |
| MUS 4333 | Percussion Literature and Pedagogy                     | 3   |
| MUS 4334 | String Chamber Literature                              | 3   |
| MUS 4335 | Woodwind Literature and Pedagogy                       | 3   |
| MUS 4336 | Brass Literature and Pedagogy                          | 3   |
| MUS 4337 | Choral Literature                                      | 3   |
| MUS 4342 | American Musical Theater                               | 3   |
| MUS 4343 | Organ Literature I                                     | 3   |
| MUS 4344 | Organ Literature II                                    | 3   |
| MUS 4345 | History of Classical Music in the United States        | 3   |
| MUS 4360 | Ethnographic and Analytical Methods in Ethnomusicology | 3   |
| MUS 4361 | Traditional Music and Culture in Africa                | 3   |
| MUS 4362 | Traditional Music and Culture in Asia                  | 3   |
| MUS 4363 | Traditional Music and Culture in Europe                | 3   |
| MUS 4364 | Traditional Music and Culture in Latin America         | 3   |
| MUS 4365 | Music and Identity in Texas Culture                    | 3   |
| MUS 4366 | Performance Practices in World Music                   | 3   |
| MUS 4373 | Worship in the Church                                  | 3   |
| MUS 4374 | The Song of the Church                                 | 3   |
| MUS 4V09 | Advanced Electroacoustic Music Composition             | 1-3 |

## School of Music Faculty and Staff

| Name                         | Title                               |
|------------------------------|-------------------------------------|
| Gary Mortenson, D.M.A.       | Dean                                |
| Michael L. Alexander, D.M.A. | Associate Dean for Academic Affairs |
| Michael N. Jacobson, D.M.A.  | Associate Dean for Operations       |
| Timothy R. McKinney, Ph.D.   | Associate Dean for Graduate Studies |

## Division of Academic Studies

Scott McAllister, D.M.A., Director  
 James M. Bennighof, Ph.D.  
 C. Randall Bradley, D.M.A.  
 Alfredo Colman, Ph.D.  
 Jann M. Cosart, D.M.  
 Amy Fleming, Ph.D.  
 Monique Ingalls, Ph.D.  
 Ben Johansen, Ph.D.  
 Eric C. Lai, Ph.D.  
 Horace Maxile, Jr., Ph.D.  
 Timothy R. McKinney, Ph.D.  
 Jana K. Millar, Ph.D.  
 Samuel Parler, Ph.D.

Angela Ripley, Ph.D.  
Edward J.F. Taylor, Ph.D.  
Robin Wallace, Ph.D.  
Laurel E. Zeiss, Ph.D.

## Division of Ensembles

Lynne Gackle, Ph.D., Director  
Stephen Gusukuma, D.M.A.  
Miguel Harth-Bedoya, M.M.  
Stuart Ivey, D.M.A.  
Isaiah Odajima, D.M.A.  
Alex Parker, M.M.  
Jen Stephenson, D.M.A.  
J. Eric Wilson, D.M.A.

## Division of Instrumental Studies

Todd Meehan, D.M.A., Director  
Euridice Alvarez-Icoza, D.M.A.  
Philip Borter, D.M.A.  
Charlotte Daniel, D.M.A.  
Kent Eshelman, D.M.A.  
Eka Gogichashvili, D.M.A.  
Michael N. Jacobson, D.M.A.  
Ran Kampel, M.M.  
Kristy Morrell, D.M.A.  
Sandor Ostlund, D.M.A.  
L. Brent Phillips, M.M.  
Wortley F. "Wiff" Rudd, M.M.  
Mark Schubert, M.M.  
Patricia Shih, A.D.  
Ann Shoemaker, M.M.  
Kathryn S. Steely, D.M.

## Division of Keyboard Studies

Brian R. Marks, D.M.A., Director  
Bradley C. Bolen, D.M.A.  
Isabelle Demers, D.M.A.  
Cameron Hofmann, D.M.A.  
Kae Hosoda-Ayer, D.M.A.  
Terry Lynn Hudson, D.M.A.  
Lesley McAllister, D.M.A.  
Rajung Yang, D.M.A.

## Division of Music Education

Michele L. Henry, Ph.D., Director  
Michael L. Alexander, D.M.A.  
Kelly Jo Hollingsworth, Ph.D.  
David W. Montgomery, D.M.A.

## Division of Vocal Studies

Jamie Van Eyck, D.M.A., Director  
Robert L. Best, D.M.A.  
Mark Diamond, D.M.A.  
Kimberly Monzón, D.M.A.  
Jeffrey Peterson, D.M.A.  
Deborah Williamson, D.M.A.

## School of Music Staff

| Name                        | Title   |
|-----------------------------|---|
| June Campbell, B.M.E.       | Assistant to the Associate Dean for Academic Affairs and Administrative Associate, Music Education and Vocal Studies Division |
| Rick Carpenter              | Recording Studio Manager and Sound Engineer   |
| Lori Clifton                | Budget Associate  |
| Melinda Coats, B.S.         | Administrative Associate, Graduate and Academic Studies Divisions   |
| Jamie Duerksen, M.M./M.Div. | Reserves and Technology Coordinator, Crouch Fine Arts Library   |
| Beth Farwell, M.M./M.L.I.S. | Music Liaison Librarian, Crouch Fine Arts Library   |
| James Grady                 | Multi-Media Specialist/Building Manager   |
| Jill Gusukuma, M.M.         | Choral Activities Administrative Associate  |
| McKenna Lalani, M.Ed.       | Undergraduate Academic Programs Manager   |
| Alison Larson, M.A., M.L.S. | Public Services Coordinator, Crouch Fine Arts Library   |
| Callan Monroe, BMED         | Admissions and Recruiting Coordinator   |
| Jonathan Patterson, M.M.    | Piano Technician  |
| Teresa Reid                 | Administrative Associate, Keyboard Studies Division   |
| Darren Roos, B.A.           | Piano Technician  |
| Angeline Townsend, L.T.C.L. | Assistant to the Dean   |
| Angela Traylor, B.B.A.      | Financial Manager   |
| Ruth Tucker                 | School of Music Host  |
| Richard Veit, M.A.          | Concert and Promotion Manager   |
| Russell Wiley               | Budget Assistant  |

## Endowed Positions

### Chairs

The Vara Martin Daniel Chair in Music  
The Mary Gibbs Jones Chair in Music  
The Charles W. Evans Chair in Voice

### Professorships

The Mary Franks Thompson Professorship in Orchestral Studies  
The Ben H. Williams Distinguished Professorship in Music  
The L. N. and Mable Yeager Professorship in Music

## Degree Programs

The School of Music offers the following bachelor's degree programs:

### Bachelor of Music Degree

This is typically a four-year degree program leading to the Bachelor of Music degree with majors in performance, church music, history and literature, piano pedagogy, music theory, and composition. The Bachelor of Music is a professional degree.

- Performance - Woodwinds, B.M. (p. 443)
- Performance - Brass, B.M. (p. 444)
- Performance - Strings, B.M. (p. 444)
- Performance - Percussion, B.M. (p. 444)

- Performance - Piano, B.M. (p. 445)
- Performance - Organ, B.M. (p. 445)
- Performance - Voice, B.M. (p. 445)
- Piano Pedagogy, B.M. (p. 446)
- Church Music - Voice Emphasis, B.M. (p. 446)
- Church Music - Keyboard Emphasis, B.M. (p. 447)
- Church Music - Instrumental Emphasis, B.M. (p. 447)
- Composition, B.M. (p. 448)
- Music History and Literature, B.M. (p. 448)
- Theory, B.M. (p. 449)

Bachelor of Music Education Degree

This degree program is designed for prospective teachers in the public and private schools. It is a professional degree that conforms to the certification requirements of the Texas Education Agency. Students in the Bachelor of Music Education degree program will major in either instrumental music education or choral music education, depending on their applied area.

- Choral Music - Voice Concentration, B.M.E. (p. 450)
- Choral Music - Keyboard Concentration, B.M.E. (p. 451)
- Instrumental Music - String Concentration, B.M.E. (p. 451)
- Instrumental Music - Woodwind, Brass, Percussion Concentrations, B.M.E. (p. 452)

Bachelor of Arts Degree

The Bachelor of Arts degree with a major in music is offered through the College of Arts & Sciences. In this degree, students may pursue studies that emphasize either applied music, academic studies or church music.

- Bachelor of Arts in Music (p. 442)

The Secondary Major in Instrumental Performance or Keyboard Performance

This program allows advanced instrumental players to continue their interest in music performance while pursuing another academic career path. The secondary major is differentiated from a music major in that academic music requirements are reduced while retaining private instruction, participation in ensembles and chamber music, and a recital in the senior year. Upon graduation, a student earns one baccalaureate degree in an area other than music. Although not awarded a second degree in music, the student’s transcript will reflect that he or she has earned a Secondary Major in Instrumental or Keyboard Performance.

- Instrumental Music Performance - Secondary Major (p. 452)
- Keyboard Music Performance - Secondary Major (p. 452)

Minoring in Music

Any undergraduate student at Baylor University, in any major other than music, may elect to minor in music by completing at least 21 semester hours as outlined in the Minor of Music section of this catalog. The minor is designed to broaden the educational experience of students by providing a variety of musical experiences. No admission audition is required for the music minor. Students may choose between an academic minor in general music or an academic minor in church music.

- Music Minor (p. 453)

Responsibility for curriculum and degree planning lies with the student, whose advisor, in conjunction with the Dean’s Office, will provide guidance and advice.

Bachelor of Arts in Music Requirements for a Bachelor of Arts in Music

See the Arts and Sciences Intrauniversity Programs (p. 253) in this catalog.

Bachelor of Music

| Code  | Title  | Hours |
|---|--|-------|
| Requirements  |  |       |
| Total Hours for Degree – minimum of 124 sem. hrs.   |  | (124) |
| Residence Requirement – minimum   |  | (60)  |
| Grade point average – minimum of 2.00 overall, and also in the major for work done at Baylor.   |  |       |
| Basic Requirements  |  |       |
| Chapel  |  |       |
| Complete two semesters  |  | 0     |
| Creative Arts Experience  |  |       |
| Attend twelve events  |  | 0     |
| Students are required to attend 12 approved events with at least 2 events from each of the following categories: Art, Film, Music, Theatre, and Literature/World Cultures. Transfer students with 30 hours will attend 10 events. |  |       |
| Literature in Context   |  |       |
| Select 3 hours from the School of Music Literature in Context distribution list.  |  | 3     |
| History   |  |       |
| Select one course from the following:   |  | 3     |
| HIS 1300  | The United States in Global Perspective  |       |
| HIS 1305  | World History to 1500  |       |
| HIS 1307  | World History since 1500   |       |
| Political Science   |  |       |
| PSC 1387  | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| Religion  |  |       |
| REL 1310 & REL 1350   | The Christian Scriptures and The Christian Heritage                              | 6     |
| Foreign Languages and Culture   |  |       |
| Select a minimum of 6 hours from the SOM Foreign Language and Cultural Competency distribution list. <sup>1</sup>   |  | 6-12  |
| Formal Reasoning -or- Scientific Method I: Course w/Lab Experience  |  |       |
| Select 3 hours from the Formal Reasoning distribution list or 4 hours (one 4-hour course with included lab or 3-hour lecture and matching 1-hour lab course) from the Scientific Method I distribution list.                      |  | 3-4   |
| Research Writing  |  |       |
| ENG 1310  | Writing and Academic Inquiry Seminars  | 3     |
| Select one of the following:  |  | 3     |
| PWR 3300  | Technical Writing  |       |
| PWR 3303  | Persuasive and Argumentative Writing   |       |



|   |                                  |   |
|---|----------------------------------|---|
| PWR 3318  | Professional & Workplace Writing |   |
| <b>Lifetime Fitness</b>                                 |                                  |   |
| Select two activity courses                             |                                  | 2 |
| Voice majors must fulfill this requirement by taking:   |                                  |   |
| LF 1197   | Beginning Relaxation/Fitness     |   |
| Select one course from the following:                   |                                  |   |
| LF 1106   | Beginning Aerobics               |   |
| LF 1107   | Intermediate Aerobics            |   |
| LF 1110   | Aerobic Walking                  |   |
| LF 1111   | Aerobic Running                  |   |
| LF 1117   | Beginning Ballet                 |   |
| LF 1118   | Intermediate Ballet              |   |
| LF 1119   | Advanced Ballet                  |   |
| LF 1130   | Social Dance                     |   |
| LF 1147   | Beginning Jazz Dance             |   |
| LF 1148   | Intermediate Jazz Dance          |   |
| LF 1176   | Intermediate Swimming            |   |
| LF 1192   | Weight Control                   |   |
| LF 1194   | Beginning Weight Training        |   |
| LF 1195   | Intermediate Weight Training     |   |
| LF 1198   | Intermediate Relaxation/Fitness  |   |
| LF 1199   | Advanced Relaxation/Fitness      |   |
| <b>Electives</b>  |                                  |   |
| Optional; may be required to reach 124 sem. hr. minimum |                                  |   |

<sup>1</sup> B.M. voice and B.M. music history and literature majors must take two semesters each of two languages (12 sem. hrs). B.M. voice majors must select from Italian (ITA), French (FRE), or German (GER).

Distribution lists (p. 453) appear at the end of the School of Music section of this catalog.

## Music Core for Bachelor of Music Degree

| Code                     | Title   | Hours |
|--------------------------|---|-------|
| <b>Core Requirements</b> |   |       |
| MUS 1301                 | Theory I (must have a grade of "C" or above) <sup>1,2</sup>         | 3     |
| MUS 1101                 | Musicianship I (must have a grade of "C" or above) <sup>1,2</sup>   | 1     |
| MUS 1302                 | Theory II (must have a grade of "C" or above) <sup>1,2</sup>        | 3     |
| MUS 1102                 | Musicianship II (must have a grade of "C" or above) <sup>1,2</sup>  | 1     |
| MUS 2301                 | Theory III (must have a grade of "C" or above) <sup>1,2</sup>       | 3     |
| MUS 2101                 | Musicianship III (must have a grade of "C" or above) <sup>1,2</sup> | 1     |
| MUS 2302                 | Theory IV <sup>1,2</sup>  | 3     |
| MUS 2102                 | Musicianship IV <sup>1,2</sup>                                      | 1     |
| MUS 3301                 | Theory V  | 3     |
| MUS 3324                 | The History of Music before 1600 <sup>2</sup>                       | 3     |
| MUS 3325                 | The History of Music from 1600 to 1800 <sup>2</sup>                 | 3     |
| MUS 3326                 | The History of Music from 1800 to World War I <sup>2</sup>          | 3     |

|                    |   |           |
|--------------------|---|-----------|
| MUS 3327           | The History of Music from World War I to the Present <sup>2</sup> | 3         |
| MUS 1001           | Recital Attendance (6 semesters)                                  | 0         |
| <b>Total Hours</b> |   | <b>31</b> |

<sup>1</sup> Undergraduate majors in music theory must make a grade of "B" or above.

<sup>2</sup> Undergraduate majors in music history and literature must make a grade of "B" or above.

## Performance - Woodwinds, B.M. Requirements for a Major in Performance – Woodwinds

### Flute, Oboe, Clarinet, Bassoon, Saxophone

| Code   | Title   | Hours        |
|--|---|--------------|
| <b>Requirements</b>  |   |              |
| Fifty-two semester hours including:  |   |              |
| MUS 2260<br>& MUS 4335   | Elementary Conducting (Music Education<br>Elementary)<br>and Woodwind Literature and Pedagogy | 5            |
| <b>Performance</b>   |   |              |
| Twenty-four semester hours applied music. Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. |   | 24           |
| Four semester hours secondary applied (Piano Level IIs). Must have a grade of "C" or above in all secondary piano courses. <sup>1</sup>  |   | 4            |
| A minimum of eight semester hours of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.   |   | 8            |
| Four to six semester hours of chamber music <sup>2</sup>   |   | 4-6          |
| Junior and senior recitals   |   |              |
| Five to seven semester hours classroom music courses <sup>3</sup>  |   | 5-7          |
| <b>Supportive Courses</b>  |   |              |
| Thirty-one semester hours music core   |   | 31           |
| <b>Total Hours</b>   |   | <b>81-85</b> |

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

<sup>2</sup> Chamber and classroom music courses must total at least eleven hours, of which at least four must be chamber, at least five must be classroom music, and the remaining two may be taken in either category.

<sup>3</sup> See list of Classroom Music Courses (p. 440)

Applied music study in an area other than the major may be substituted for two of the classroom music hours. Piano study may be used to satisfy this requirement only after piano requirements have been completed.

## Performance - Brass, B.M.

### Requirements for a Major in Performance – Brass

#### Trumpet, Horn, Trombone, Euphonium, Tuba

| Code   | Title  | Hours        |
|--|--|--------------|
| <b>Requirements</b>  |  |              |
| Fifty-two semester hours including:  |  |              |
| MUS 2260 & MUS 4336  | Elementary Conducting (Music Education & Elementary) and Brass Literature and Pedagogy | 5            |
| <b>Performance</b>   |  |              |
| Twenty-four semester hours applied music. Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. |  | 24           |
| Four semester hours secondary applied (Piano Level IIs). Must have a grade of "C" or above in all secondary piano courses. <sup>1</sup>  |  | 4            |
| A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.  |  | 8            |
| Four to six semester hours of chamber music <sup>2</sup>   |  | 4-6          |
| Junior and senior recitals   |  |              |
| Five to seven semester hours classroom music courses <sup>2, 3</sup>   |  | 5-7          |
| <b>Supportive Courses</b>  |  |              |
| Thirty-one semester hours music core   |  | 31           |
| <b>Total Hours</b>   |  | <b>81-85</b> |

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

<sup>2</sup> Chamber and classroom music courses must total at least eleven hours, of which at least four must be chamber, at least five must be classroom music, and the remaining two may be taken in either category.

<sup>3</sup> See list following of Classroom Music Courses (p. 440)

Applied music study in an area other than the major may be substituted for two of the classroom music hours. Piano study may be used to satisfy this requirement only after piano requirements have been completed.

## Performance - Strings, B.M.

### Requirements for a Major in Performance – Strings

#### Violin, Viola, Cello, Bass, Harp

| Code                                 | Title  | Hours |
|--------------------------------------|--|-------|
| <b>Requirements</b>                  |  |       |
| Fifty-four semester hours including: |  |       |
| MUS 2260                             | Elementary Conducting (Music Education & Elementary) | 2     |
| MUS 4334                             | String Chamber Literature                            | 3     |
| MUS 4321                             | Symphonic Literature                                 | 3     |
| <b>Performance</b>                   |  |       |

Twenty-four semester hours applied music. Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music.

Four semester hours secondary applied (Piano Level IIs). Must have a grade of "C" or above in all secondary piano courses. (Students may elect to substitute up to 2 credits of early music ensemble towards the secondary instrument requirement once the piano requirement has been met.) <sup>1</sup>

A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.

Select four to six semester hours of chamber music from the following:

|           |  |
|-----------|--|
| MUEN 1130 | Chamber Music (Strings) (Bowed Strings - four semesters) |
| MUEN 1134 | Harp Ensemble (Harp Majors - six semesters)              |

Junior and senior recitals

Four semester hours of Orchestral Excerpts repertoire courses

Select two semester hours from the following:

|           |   |
|-----------|---|
| MUEN 1120 | Early Music Ensemble (Bowed Strings only) |
| MUEN 1106 | Jazz Ensemble (Double Bases only)         |
| MUEN 1130 | Chamber Music (Strings)                   |

#### Supportive Courses

Thirty-one semester hours music core

**Total Hours** **85-87**

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

## Performance - Percussion, B.M.

### Requirements for a Major in Performance – Percussion

| Code   | Title   | Hours |
|--|---|-------|
| <b>Requirements</b>  |   |       |
| Fifty-two semester hours including:  |   |       |
| MUS 2260 & MUS 4333  | Elementary Conducting (Music Education & Elementary) and Percussion Literature and Pedagogy | 5     |
| <b>Performance</b>   |   |       |
| Twenty-four semester hours applied music. Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. |   | 24    |
| Four semester hours secondary applied (Piano Level IIs). Must have a grade of "C" or above in all secondary piano courses. <sup>1</sup>  |   | 4     |
| A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.  |   | 8     |
| Four to six semester hours of chamber music <sup>2</sup>   |   | 4-6   |
| Junior and senior recitals   |   |       |
| Five to seven semester hours classroom music courses <sup>3</sup>  |   | 5-7   |

**Supportive Courses**

|                                      |              |
|--------------------------------------|--------------|
| Thirty-one semester hours music core | 31           |
| <b>Total Hours</b>                   | <b>81-85</b> |

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

<sup>2</sup> Chamber and classroom music courses must total at least eleven hours, of which at least four must be chamber, at least five must be classroom music, and the remaining two may be taken in either category.

<sup>3</sup> See list of Classroom Music Courses (p. 440)

Applied music study in an area other than the major may be substituted for two of the classroom music hours. Piano study may be used to satisfy this requirement only after piano requirements have been completed.

**Performance - Piano, B.M.****Requirements for a Major in Performance – Piano**

| Code  | Title  | Hours     |
|---|--|-----------|
| <b>Requirements</b>   |  |           |
| Fifty-four semester hours including:  |  |           |
| MUS 3312  | Piano Pedagogy I                             | 3         |
| MUS 3314  | Piano Pedagogy III                           | 3         |
| MUS 4322  | Piano Literature I                           | 3         |
| MUS 4324  | Piano Literature II                          | 3         |
| <i>Performance</i>  |  |           |
| Twenty-eight semester hours applied major (Piano Level X). Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. |  | 28        |
| Four semester hours secondary applied   |  | 4         |
| MUEN 1137   | Keyboard Skills (two semesters)              | 2         |
| A minimum of eight semester hours of ensemble from the following courses:   |  | 8         |
| MUEN 1136   | Studio Accompanying (four to six semesters)  |           |
| MUEN 1130   | Chamber Music (Strings) (0 to two semesters) |           |
| MUEN 1135   | Piano Ensemble (0 to two semesters)          |           |
| Choir (two semesters)   |  |           |
| Band (two semesters)  |  |           |
| Orchestra (two semesters)   |  |           |
| Enrollment in ensemble required for every term in residence.  |  |           |
| Junior and senior recitals  |  |           |
| <b>Supportive Courses</b>   |  |           |
| Thirty-one semester hours music core  |  | 31        |
| <b>Total Hours</b>  |  | <b>85</b> |

**Performance - Organ, B.M.****Requirements for a Major in Performance – Organ**

| Code  | Title               | Hours     |
|---|---------------------|-----------|
| <b>Requirements</b>   |                     |           |
| Fifty-seven semester hours including:   |                     |           |
| MUS 4210  | Organ Methods       | 2         |
| MUS 4213  | Service Playing     | 2         |
| MUS 4313  |                     | 3         |
| MUS 4344  | Organ Literature II | 3         |
| <i>Performance</i>  |                     |           |
| Thirty-two semester hours applied major. Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. |                     | 32        |
| Four semester hours secondary applied (Piano Level IVs). Must have a grade of "C" or above in all secondary piano courses. <sup>1</sup>   |                     | 4         |
| Select a minimum of eight semester hours of ensemble from the following:  |                     | 8         |
| MUEN 1136   | Studio Accompanying |           |
| Four hours in a choral ensemble   |                     |           |
| Enrollment in ensemble required for every term in residence.  |                     |           |
| Junior and senior recitals  |                     |           |
| Three semester hours classroom music courses <sup>2,3</sup>   |                     | 3         |
| <b>Supportive Courses</b>   |                     |           |
| Thirty-one semester hours music core  |                     | 31        |
| <b>Total Hours</b>  |                     | <b>88</b> |

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

<sup>2</sup> Chamber and classroom music courses must total at least eleven hours, of which at least four must be chamber, at least five must be classroom music, and the remaining two may be taken in either category.

<sup>3</sup> See list of Classroom Music Courses (p. 440)

**Performance - Voice, B.M.****Requirements for a Major in Performance – Voice**

| Code  | Title   | Hours |
|---|---|-------|
| <b>Requirements</b>                           |   |       |
| Fifty to fifty-five semester hours including: |   |       |
| MUS 1150                                      | English and Italian Diction (must have a grade of "C" or above) | 1     |
| MUS 1151                                      | German Diction (must have a grade of "C" or above)              | 1     |
| MUS 1152                                      | French Diction (must have a grade of "C" or above)              | 1     |
| MUS 2260                                      | Elementary Conducting (Music Education Elementary)              | 2     |

|  |  |              |
|--|--|--------------|
| MUS 4120   | Advanced Opera Workshop                | 1            |
| MUS 4220   | Acting for Singers I                   | 2            |
| MUS 4221   | Acting for Singers II                  | 2            |
| MUS 4299   | Vocal Pedagogy                         | 2            |
| MUS 4327   | Song Literature I                      | 3            |
| MUS 4329   | Song Literature II                     | 3            |
| <i>Performance</i>   |  |              |
| Sixteen semester hours applied music. Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. |  | 16           |
| MUS 4151   | Vocal Coaching (two to four semesters) | 1            |
| One to four semester hours secondary applied (Piano Level IVs). Must have a grade of "C" or above in all secondary piano courses. <sup>1</sup>   |  | 1-4          |
| A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.  |  | 8            |
| MUEN 1104  | Opera (two semesters)                  | 2            |
| Junior and senior recitals   |  |              |
| Three semester hours of classroom music courses.   |  | 3            |
| <b>Supportive Courses</b>  |  |              |
| Thirty-one semester hours music core   |  | 31           |
| <b>Total Hours</b>   |  | <b>80-83</b> |

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

## Piano Pedagogy, B.M.

### Requirements for a Major in Piano Pedagogy

| Code   | Title   | Hours |
|--|---|-------|
| <b>Requirements</b>  |   |       |
| Fifty-eight semester hours including:  |   |       |
| MUS 3312   | Piano Pedagogy I                                    | 3     |
| MUS 3313   | Piano Pedagogy II                                   | 3     |
| MUS 3314   | Piano Pedagogy III                                  | 3     |
| MUS 4114   | Internship in Piano Teaching I                      | 1     |
| MUS 4115   | Internship in Piano Teaching II                     | 1     |
| MUS 4322   | Piano Literature I                                  | 3     |
| MUS 4324   | Piano Literature II                                 | 3     |
| PSY 1305   | Psychological Science: Understanding Human Behavior | 3     |
| <i>Applied Music</i>   |   |       |
| Twenty-six semester hours applied major (Piano Level IX). Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. |   | 26    |
| Two semester hours secondary applied   |   | 2     |
| MUEN 1137  | Keyboard Skills (two semsters)                      | 2     |

|  |  |           |
|--|--|-----------|
| Select a minimum of eight semester hours of ensemble from the following: |  | 8         |
| MUEN 1136  | Studio Accompanying (four to six semesters)  |           |
| MUEN 1130  | Chamber Music (Strings) (0 to two semesters) |           |
| MUEN 1135  | Piano Ensemble (0 to two semesters)          |           |
| Choir (two semesters)  |  |           |
| Band (two semesters)   |  |           |
| Orchestra (two semesters)  |  |           |
| Enrollment in ensemble required for every term in residence.             |  |           |
| Recital in senior year   |  |           |
| <b>Supportive Courses</b>  |  |           |
| Thirty-one semester hours music core                                     |  | 31        |
| <b>Total Hours</b>   |  | <b>89</b> |

## Church Music - Voice Emphasis, B.M.

### Requirements for a Major in Church Music, Voice Emphasis

| Code   | Title  | Hours |
|--|--|-------|
| <b>Requirements</b>  |  |       |
| Fifty-seven to sixty-two semester hours including:   |  |       |
| MUS 2260   | Elementary Conducting (Music Education Elementary) | 2     |
| MUS 2370   | Formation for Christian Musicians                  | 3     |
| MUS 3261   | Choral Conducting                                  | 2     |
| MUS 3370   | The Musician as Educator in the Church             | 3     |
| MUS 3377   | Instrumental Music in the Church                   | 3     |
| MUS 3378   | Technology and Keyboards in the Church             | 3     |
| MUS 4270   | Music Ministry Internship                          | 2     |
| MUS 4373   | Worship in the Church                              | 3     |
| MUS 4374   | The Song of the Church                             | 3     |
| MUS 4375   | Leadership in Music Ministry                       | 3     |
| Select two semester hours from the following:  |  | 2     |
| MUS 1150   | English and Italian Diction                        |       |
| MUS 1151   | German Diction                                     |       |
| MUS 1152   | French Diction                                     |       |
| <i>Applied Music</i>   |  |       |
| Sixteen semester hours applied music. Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. |  | 16    |
| Zero to four hours secondary applied (Piano Level IVs). Must have a grade of "C" or above in all secondary piano courses. <sup>1</sup>   |  | 0-4   |
| Select one of the following:   |  | 1     |
| MUS 3170   | Guitar for Music Ministry                          |       |
| Guitar Proficiency   |  |       |
| A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.  |  | 8     |
| Four semester hours additional ensembles   |  | 4     |

Junior-level recital in senior year

|          |   |   |
|----------|---|---|
| MUS 1007 | Church Music Forum (required for every term in residence) | 0 |
|----------|---|---|

**Supportive Courses**

|                                      |    |
|--------------------------------------|----|
| Thirty-one semester hours music core | 31 |
|--------------------------------------|----|

|                    |              |
|--------------------|--------------|
| <b>Total Hours</b> | <b>89-93</b> |
|--------------------|--------------|

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

## Church Music - Keyboard Emphasis, B.M.

### Requirements for a Major in Church Music, Keyboard Emphasis

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

**Requirements**

Sixty-one to sixty-three semester hours including:

|          |  |   |
|----------|--|---|
| MUS 2260 | Elementary Conducting (Music Education Elementary) | 2 |
| MUS 2370 | Formation for Christian Musicians                  | 3 |
| MUS 3261 | Choral Conducting                                  | 2 |
| MUS 3370 | The Musician as Educator in the Church             | 3 |
| MUS 3377 | Instrumental Music in the Church                   | 3 |
| MUS 3378 | Technology and Keyboards in the Church             | 3 |
| MUS 4270 | Music Ministry Internship                          | 2 |
| MUS 4373 | Worship in the Church                              | 3 |
| MUS 4374 | The Song of the Church                             | 3 |
| MUS 4375 | Leadership in Music Ministry                       | 3 |

Select two to three semester hours from the following: 2-3

|          |  |  |
|----------|--|--|
| MUS 4213 | Service Playing (organ concentration)  |  |
| MUS 3312 | Piano Pedagogy I (piano concentration) |  |

**Applied Music**

Sixteen semester hours applied music (Piano Level VII). Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music.

Four semester hours Applied Voice (organ concentrations, also Piano Level IVs) <sup>1</sup> 4

Select one of the following: 1

|          |                           |  |
|----------|---------------------------|--|
| MUS 3170 | Guitar for Music Ministry |  |
|          | Guitar Proficiency        |  |

A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence. 8

Four semester hours additional ensembles 4

Junior-level recital in senior year

|          |   |   |
|----------|---|---|
| MUS 1007 | Church Music Forum (required for every term in residence) | 0 |
|----------|---|---|

**Supportive Courses**

|                                      |    |
|--------------------------------------|----|
| Thirty-one semester hours music core | 31 |
|--------------------------------------|----|

|                    |              |
|--------------------|--------------|
| <b>Total Hours</b> | <b>93-94</b> |
|--------------------|--------------|

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

## Church Music - Instrumental Emphasis, B.M.

### Requirements for a Major in Church Music, Instrumental Emphasis

| Code | Title | Hours |
|------|-------|-------|
|------|-------|-------|

**Requirements**

Fifty-nine to sixty-four semester hours including:

|          |  |   |
|----------|--|---|
| MUS 2260 | Elementary Conducting (Music Education Elementary) | 2 |
| MUS 2370 | Formation for Christian Musicians                  | 3 |
| MUS 3261 | Choral Conducting                                  | 2 |
| MUS 3370 | The Musician as Educator in the Church             | 3 |
| MUS 3377 | Instrumental Music in the Church                   | 3 |
| MUS 3378 | Technology and Keyboards in the Church             | 3 |
| MUS 4270 | Music Ministry Internship                          | 2 |
| MUS 4373 | Worship in the Church                              | 3 |
| MUS 4374 | The Song of the Church                             | 3 |
| MUS 4375 | Leadership in Music Ministry                       | 3 |

**Applied Music**

Sixteen semester hours applied music. Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music.

Four semester hours applied voice 4

Zero to four semester hours secondary applied (Piano Level IVs). Must have a grade of "C" or above in all secondary piano courses. <sup>1</sup> 0-4

Select one of the following: 1

|          |                           |  |
|----------|---------------------------|--|
| MUS 3170 | Guitar for Music Ministry |  |
|          | Guitar Proficiency        |  |

A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence. 8

Four semester hours additional ensembles 4

Junior-level recital in senior year

|          |   |   |
|----------|---|---|
| MUS 1007 | Church Music Forum (required for every term in residence) | 0 |
|----------|---|---|

**Supportive Courses**

|                                      |    |
|--------------------------------------|----|
| Thirty-one semester hours music core | 31 |
|--------------------------------------|----|

|                    |              |
|--------------------|--------------|
| <b>Total Hours</b> | <b>91-95</b> |
|--------------------|--------------|

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.



# Composition, B.M.

## Requirements for a Major in Composition

| Code  | Title  | Hours     |
|---|--|-----------|
| <b>Requirements</b>   |  |           |
| Fifty-nine semester hours including:  |  |           |
| MUS 1107  | Beginning Composition I                                  | 1         |
| MUS 1108  | Beginning Composition II                                 | 1         |
| MUS 1331  | Introduction to Technology for Musicians                 | 3         |
| MUS 2207  | Elementary Composition I                                 | 2         |
| MUS 2208  | Elementary Composition II                                | 2         |
| MUS 2260  | Elementary Conducting (Music Education Elementary)       | 2         |
| MUS 3306  | Orchestration  | 3         |
| MUS 3307  | Intermediate Composition                                 | 3         |
| MUS 3308  | Intermediate Composition                                 | 3         |
| MUS 4203  | Electroacoustic Music Composition                        | 2         |
| MUS 4204  | Advanced Orchestration                                   | 2         |
| MUS 4304  | Counterpoint   | 3         |
| MUS 4305  | Advanced Counterpoint                                    | 3         |
| MUS 4307  | Advanced Composition I                                   | 3         |
| MUS 4308  | Advanced Composition II                                  | 3         |
| <i>Applied Music</i>  |  |           |
| Twelve semester hours applied music (all hours in piano until Piano Level IVs complete; for piano concentrations, all hours must be completed in piano. Continuous enrollment in piano is required for piano concentrations). Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. Must have a grade of "C" or above in all secondary piano courses. <sup>1</sup> |  | 12        |
| A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.   |  | 8         |
| MUS 40C1  | Degree Recital - Composition (Recital of original works) | 0         |
| Three semester hours classroom music courses <sup>2</sup>   |  | 3         |
| <b>Supportive Courses</b>   |  |           |
| Thirty-one semester hours music core  |  | 31        |
| <b>Total Hours</b>  |  | <b>90</b> |

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

<sup>2</sup> See list of Classroom Music Courses (p. 440)

# Music History and Literature, B.M.

## Requirements for a Major in Music History and Literature

| Code                                  | Title | Hours |
|---------------------------------------|-------|-------|
| <b>Requirements</b>                   |       |       |
| Fifty-three semester hours including: |       |       |

|  |   |           |
|--|---|-----------|
| MUS 2260   | Elementary Conducting (Music Education Elementary)                  | 2         |
| MUS 3306   | Orchestration   | 3         |
| MUS 3321   | Music in World Cultures   | 3         |
| MUS 4280   | Senior Seminar and Paper  | 2         |
| MUS 4304   | Counterpoint  | 3         |
| MUS 4321   | Symphonic Literature  | 3         |
| MUS 4326   | American Folk Music   | 3         |
| or MUS 4345  | History of Classical Music in the United States                     |           |
| MUS 4322   | Piano Literature I  | 3         |
| or MUS 4325  | Opera Literature  |           |
| Select one course from the following:  |   | 3         |
| MUS 3322   | Popular Musics  |           |
| MUS 3323   | Jazz and its History  |           |
| MUS 4342   | American Musical Theater  |           |
| MUS 4381   | Special Topics  |           |
| Select two courses from the following:   |   | 6         |
| MUS 3322   | Popular Musics  |           |
| MUS 3323   | Jazz and its History  |           |
| MUS 4320   | Seminar in American Music   |           |
| MUS 4322   | Piano Literature I  |           |
| MUS 4325   | Opera Literature  |           |
| MUS 4326   | American Folk Music   |           |
| MUS 4342   | American Musical Theater  |           |
| MUS 4345   | History of Classical Music in the United States                     |           |
| MUS 4360   | Ethnographic and Analytical Methods in Ethnomusicology              |           |
| MUS 4361   | Traditional Music and Culture in Africa                             |           |
| MUS 4362   | Traditional Music and Culture in Asia                               |           |
| MUS 4363   | Traditional Music and Culture in Europe                             |           |
| MUS 4364   | Traditional Music and Culture in Latin America                      |           |
| MUS 4381   | Special Topics  |           |
| <i>Applied Music</i>   |   |           |
| Fourteen semester hours applied music (Piano Level VIIIs). Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. Must have a grade of "C" or above in all secondary piano courses. <sup>1</sup> |   | 14        |
| A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.  |   | 8         |
| No recital requirement   |   |           |
| MUS 1002   | Academic Division Colloquium (required for every term in residence) | 0         |
| <b>Supportive Courses</b>  |   |           |
| Thirty-one semester hours music core   |   | 31        |
| <b>Total Hours</b>   |   | <b>84</b> |

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

## Theory, B.M.

### Requirements for a Major in Theory

| Code   | Title   | Hours     |
|--|---|-----------|
| <b>Requirements</b>  |   |           |
| Forty-four semester hours including:   |   |           |
| MUS 2260   | Elementary Conducting (Music Education Elementary)                  | 2         |
| MUS 3207   | Composition   | 2         |
| MUS 3306   | Orchestration   | 3         |
| MUS 3307   | Intermediate Composition  | 3         |
| MUS 4205   | Theoretical Systems   | 2         |
| MUS 4280   | Senior Seminar and Paper  | 2         |
| MUS 4301   | Advanced Analysis   | 3         |
| MUS 4304   | Counterpoint  | 3         |
| MUS 4305   | Advanced Counterpoint   | 3         |
| <b>Applied Music</b>   |   |           |
| Twelve semester hours applied music (Piano Level VIIIs). Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. Must have a grade of "C" or above in all secondary piano courses. <sup>1</sup> |   | 12        |
| A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.  |   | 8         |
| No recital requirement   |   |           |
| MUS 1002   | Academic Division Colloquium (required for every term in residence) | 0         |
| Eleven semester hours classroom music courses <sup>2, 3</sup>  |   | 11        |
| <b>Supportive Courses</b>  |   |           |
| Thirty-one semester hours music core   |   | 31        |
| <b>Total Hours</b>   |   | <b>85</b> |

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

<sup>2</sup> Chamber and classroom music courses must total at least eleven hours, of which at least four must be chamber, at least five must be classroom music, and the remaining two may be taken in either category.

<sup>3</sup> See list of Classroom Music Courses (p. 440)

## Bachelor of Music Education

### Requirements for Teacher Certification

Teachers in Texas elementary and secondary schools are required by law to hold a valid Texas teacher's certificate for the subject to which they are assigned. The program for teacher certification in music is a joint program of the School of Music and the School of Education. Advisement forms indicating a suggested sequence of course work, prerequisites for student teaching, and other standards and procedures for each of the Bachelor of Music Education degrees are available on the School of Music website or from the Director of Music Education.

## Requirements for Admission and Retention in Music Teacher Education – School of Music

During the sophomore year, each Bachelor of Music Education student must apply for professional review and for admittance into teacher candidacy in Music Education. Transfer students with sixty semester hours or more must apply after completing MUS 1330 Introduction to Music Education. The standards and procedures for the B.M.E. Sophomore Evaluation are included in the Student Handbook for the School of Music. Application forms are available from the Division Director. Before meeting with the music education faculty, the student must complete the required procedures and satisfy all requirements for admission and retention in the music education program as described in the Student Handbook for the School of Music. A student who meets the requirements for a B.M.E. degree must also meet the requirements for Texas Teacher Certification.

No student will be allowed to register for upper division music education courses before the student has been admitted to teacher candidacy in music education following successful completion of the Music Education Evaluation. Standards required for admission to upper level music education courses must be maintained in subsequent enrollments.

| Code   | Title   | Hours |
|--|---|-------|
| <b>Requirements</b>  |   |       |
| Total Hours for Degree – minimum of 124 sem. hrs.  |   | (124) |
| Residence Requirement – minimum (including the last thirty hours)                        |   | (60)  |
| Grade point average – minimum of 2.75 overall and also in music for work done at Baylor. |   |       |
| Must have a grade of "C" or above in each of the following courses:                      |   |       |
| MUS 1330   | Introduction to Music Education                   | 3     |
| MUS 3132   | Choral Methods I                                  | 1     |
| MUS 3136   | Instrumental Methods I                            | 1     |
| MUS 3232   | Choral Methods II                                 | 2     |
| MUS 3236   | Instrumental Methods II                           | 2     |
| MUS 3331   | Music in the Elementary School                    | 3     |
| MUS 3334   | Secondary Choral Music                            | 3     |
| MUS 3337   | Elementary Music Education                        | 3     |
| MUS 4230   | Induction to Music Teaching                       | 2     |
| MUS 4F30   | All-Level Student Teaching in Music               | 10    |
| or MUS 4F31  | All-Level Student Teaching in Music (out-of-town) |       |

#### Basic Requirements

##### Chapel

|                        |   |
|------------------------|---|
| Chapel – two semesters | 0 |
|------------------------|---|

##### Creative Arts Experience

|                      |   |
|----------------------|---|
| Attend twelve events | 0 |
|----------------------|---|

Students are required to attend 12 approved events with at least 2 events from each of the following categories: Art, Film, Music, Theatre, and Literature/World Cultures. Transfer students with 30 hours will attend 10 events; transfer students with 60 hours will attend 6 events.

##### Literature in Context

|  |   |
|--|---|
| Select 3 hours from the School of Music Literature in Context distribution list. | 3 |
|--|---|

| History  |  |    |
|--|--|----|
| Select one course from the following:  |  | 3  |
| HIS 1300   | The United States in Global Perspective  |    |
| HIS 1305   | World History to 1500  |    |
| HIS 1307   | World History since 1500   |    |
| Political Science  |  |    |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3  |
| Religion   |  |    |
| REL 1310 & REL 1350  | The Christian Scriptures and The Christian Heritage                              | 6  |
| Foreign Languages and Culture  |  |    |
| Select a minimum of 3 hours from the SOM Foreign Language and Cultural Competency distribution list.   |  | 3  |
| Formal Reasoning (One Course)  |  |    |
| Select 3 hours from the Formal Reasoning distribution list.  |  | 3  |
| Research Writing (Two Courses)   |  |    |
| ENG 1310   | Writing and Academic Inquiry Seminars  | 3  |
| Select one course from the following:  |  | 3  |
| PWR 3300   | Technical Writing  |    |
| PWR 3303   | Persuasive and Argumentative Writing   |    |
| PWR 3318   | Professional & Workplace Writing   |    |
| Scientific Method I: Course with Laboratory Experience   |  |    |
| Select 4 hours (one 4-hour course with included lab or 3-hour lecture and matching 1-hour lab course) from the Scientific Method I: Course with Laboratory Experience distribution list. |  | 4  |
| EDP 2336   | The Developing Child   | 3  |
| EDC 3309   | Curriculum and Instruction for All-Level Certification                           | 3  |
| Lifetime Fitness   |  |    |
| Select two activity courses  |  | 2  |
| Professional Education   |  |    |
| MUS 1330   | Introduction to Music Education  | 3  |
| MUS 1331   | Introduction to Technology for Musicians   | 3  |
| MUS 3001   | Music Education Evaluation (one semester)  | 0  |
| MUS 4001   | Music Education Fieldwork (one semester)   | 0  |
| MUS 4230   | Induction to Music Teaching  | 2  |
| MUS 4F30   | All-Level Student Teaching in Music  | 10 |
| or MUS 4F31  | All-Level Student Teaching in Music (out-of-town)                                |    |

Distribution lists (p. 453) appear at the end of the School of Music section of this catalog.

Music Core for Bachelor of Music Education Degree

| Code         | Title  | Hours |
|--------------|--|-------|
| Requirements |  |       |
| MUS 1301     | Theory I (must have a grade of “C” or above)       | 3     |
| MUS 1101     | Musicianship I (must have a grade of “C” or above) | 1     |
| MUS 1302     | Theory II (must have a grade of “C” or above)      | 3     |

|             |  |    |
|-------------|--|----|
| MUS 1102    | Musicianship II (must have a grade of “C” or above)  | 1  |
| MUS 2301    | Theory III (must have a grade of “C” or above)       | 3  |
| MUS 2101    | Musicianship III (must have a grade of “C” or above) | 1  |
| MUS 2302    | Theory IV  | 3  |
| MUS 2102    | Musicianship IV                                      | 1  |
| MUS 3301    | Theory V   | 3  |
| MUS 3324    | The History of Music before 1600                     | 3  |
| MUS 3325    | The History of Music from 1600 to 1800               | 3  |
| MUS 3326    | The History of Music from 1800 to World War I        | 3  |
| MUS 3327    | The History of Music from World War I to the Present | 3  |
| MUS 1001    | Recital Attendance (6 semesters)                     | 0  |
| Total Hours |  | 31 |

Choral Music - Voice Concentration, B.M.E.  
Requirements for a Major in Choral Music, Voice Concentration

| Code  | Title  | Hours |
|---|--|-------|
| Requirements  |  |       |
| Forty-one to forty-four semester hours including:   |  |       |
| MUS 1150  | English and Italian Diction                        | 1     |
| MUS 1151  | German Diction                                     | 1     |
| MUS 1152  | French Diction                                     | 1     |
| MUS 2260  | Elementary Conducting (Music Education Elementary) | 2     |
| MUS 3132  | Choral Methods I                                   | 1     |
| MUS 3232  | Choral Methods II                                  | 2     |
| MUS 3261  | Choral Conducting                                  | 2     |
| MUS 3331  | Music in the Elementary School                     | 3     |
| MUS 4337  | Choral Literature                                  | 3     |
| MUS 3334 or MUS 3337  | Secondary Choral Music Elementary Music Education  | 3     |
| Applied Music   |  |       |
| Fourteen semester hours applied concentration. Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. |  | 14    |
| One to four semester hours secondary applied (Piano Level IVs). Must have a grade of “C” or above in all secondary piano courses.   |  | 1-4   |
| A minimum of seven semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence, except during the student teaching semester.  |  | 7     |
| BME Recital   |  |       |
| Supportive Courses  |  |       |

Thirty-one semester hours music core

31

**Total Hours****72-75**

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

## Choral Music - Keyboard Concentration, B.M.E.

### Requirements for a Major in Choral Music, Keyboard Concentration

| Code   | Title  | Hours        |
|--|--|--------------|
| <b>Requirements</b>  |  |              |
| Forty-one to forty-four semester hours including:  |  |              |
| MUS 1150   | English and Italian Diction                          | 1            |
| MUS 1151   | German Diction                                       | 1            |
| MUS 1152   | French Diction                                       | 1            |
| MUS 2260   | Elementary Conducting (Music Education Elementary)   | 2            |
| MUS 3132   | Choral Methods I                                     | 1            |
| MUS 3232   | Choral Methods II                                    | 2            |
| MUS 3261   | Choral Conducting                                    | 2            |
| MUS 3331   | Music in the Elementary School                       | 3            |
| MUS 4337   | Choral Literature                                    | 3            |
| MUS 3334<br>or MUS 3337  | Secondary Choral Music<br>Elementary Music Education | 3            |
| <b>Applied Music</b>   |  |              |
| Fourteen semester hours applied concentration (piano or organ). Piano concentrations (Piano Level VII followed by performance). Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. |  | 14           |
| One to four semester hours secondary applied (voice proficiency). Organ concentrations also Piano Level IVs. Must have a grade of "C" or above in all secondary piano courses. <sup>1</sup>  |  | 1-4          |
| A minimum of seven semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence, except during the student teaching semester.   |  | 7            |
| BME Recital  |  |              |
| <b>Supportive Courses</b>  |  |              |
| Thirty-one semester hours music core   |  | 31           |
| <b>Total Hours</b>   |  | <b>72-75</b> |

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

## Instrumental Music - String Concentration, B.M.E.

### Requirements for a Major in Instrumental Music, String Concentration

Violin, Viola, Cello, Double Bass, Harp

| Code  | Title  | Hours     |
|---|--|-----------|
| <b>Requirements</b>   |  |           |
| Forty-four semester hours including:  |  |           |
| MUS 1216  | Band Techniques for String Majors                  | 2         |
| MUS 2260  | Elementary Conducting (Music Education Elementary) | 2         |
| MUS 3212  | String Methods (For String Majors)                 | 2         |
| MUS 3260  | Instrumental Conducting                            | 2         |
| MUS 3136  | Instrumental Methods I                             | 1         |
| MUS 3236  | Instrumental Methods II                            | 2         |
| Select four hours in class instruments from the following:  |  | 4         |
| MUS 1117  | Violin (for string majors)                         |           |
| MUS 1118  | Viola (for string majors)                          |           |
| MUS 1120  | Cello (for string majors)                          |           |
| MUS 1121  | Double-Bass (for string majors)                    |           |
| <b>Applied Music</b>  |  |           |
| Fourteen semester hours applied concentration. Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. |  | 14        |
| Four semester hours secondary applied (Piano Level IIs). Must have a grade of "C" or above in all secondary piano courses. <sup>1</sup>   |  | 4         |
| A minimum of seven semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence, except during the student teaching semester.  |  | 7         |
| Four semester hours chamber music   |  | 4         |
| BME Recital   |  |           |
| <b>Supportive Courses</b>   |  |           |
| Thirty-one semester hours music core  |  | 31        |
| <b>Total Hours</b>  |  | <b>75</b> |

<sup>1</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

## Instrumental Music - Woodwind, Brass, Percussion Concentrations, B.M.E.

### Requirements for a Major in Instrumental Music - Woodwind (Flute, Oboe, Clarinet, Bassoon, Saxophone), Brass (Trumpet, Horn, Trombone, Euphonium, Tuba), Percussion Concentrations

| Code  | Title  | Hours        |
|---|--|--------------|
| <b>Requirements</b>   |  |              |
| Forty-five semester hours including:  |  |              |
| MUS 1111  | Flute-Saxophone                                    | 1            |
| MUS 1112  | Oboe-Bassoon                                       | 1            |
| MUS 1113  | Clarinet   | 1            |
| MUS 1114  | Trumpet-Horn                                       | 1            |
| MUS 1115  | Trombone-Baritone-Tuba                             | 1            |
| MUS 1116  | Strings (for nonstring players)                    | 1            |
| MUS 1119  | Percussion <sup>1</sup>                            | 1            |
| MUS 2260  | Elementary Conducting (Music Education Elementary) | 2            |
| MUS 3260  | Instrumental Conducting                            | 2            |
| MUS 3136  | Instrumental Methods I                             | 1            |
| MUS 4219  | Marching Band/Jazz Pedagogy                        | 2            |
| <b>Applied Music</b>  |  |              |
| Fourteen semester hours applied concentration. Credit earned for applied music study may not be used to satisfy degree requirements until candidate is officially admitted to the School of Music. Any exceptions to this policy must be approved by the Dean of the School of Music. |  | 14           |
| Four semester hours secondary applied (Piano Level IIs). Must have a grade of "C" or above in all secondary piano courses. <sup>2</sup>   |  | 4            |
| A minimum of seven semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence, except during the student teaching semester. Enrollment in marching band is required during the first two years of residency.               |  | 7            |
| Four to five semester hours chamber music (four hours for woodwinds/brass and five hours for percussion)  |  | 4-5          |
| BME Recital   |  |              |
| <b>Supportive Courses</b>   |  |              |
| Thirty-one semester hours music core  |  | 31           |
| <b>Total Hours</b>  |  | <b>74-75</b> |

<sup>1</sup> Percussion majors do not have to take MUS 1119 Percussion.

<sup>2</sup> The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

## Secondary Major Instrumental Music Performance

### Requirements for a Secondary Major in Instrumental Music Performance

| Code  | Title                                      | Hours     |
|---|--|-----------|
| <b>Requirements</b>                                   |  |           |
| Thirty-five semester hours including:                 |  |           |
| Undergraduate Applied Music in Emphasis Area          |  | 8         |
| Advanced Undergraduate Applied Music in Emphasis Area |  | 8         |
| Large Ensemble in Emphasis Area                       |  | 8         |
| Secondary Ensemble in Emphasis Area                   |  | 4         |
| MUS 1301  | Theory I <sup>1</sup>                      | 3         |
| MUS 1101  | Musicianship I <sup>1</sup>                | 1         |
| MUS 3315  | Survey of Music Literature                 | 3         |
| MUS 1001  | Recital Attendance (four semesters)        | 0         |
| MUS 40**  | Full Solo Recital (pass/fail; zero credit) | 0         |
| <b>Total Hours</b>                                    |  | <b>35</b> |

<sup>1</sup> Theory placement exam required. If a student wishes to use transfer credit or credit by exam for these courses, the student must take the next courses in the theory and musicianship sequence to total 4 credit hours in Theory/Musicianship earned at Baylor.

Admission to a secondary major in Instrumental Music Performance is by audition only, and students must enter this program before earning 45 credit hours at Baylor. This major is available only for woodwinds, brass, string, or percussion instruments. All hours of applied music in the emphasis area must be taken in the same instrument.

## Secondary Major Keyboard Music Performance

### Requirements for a Secondary Major in Keyboard Music Performance

| Code  | Title                                      | Hours     |
|---|--|-----------|
| <b>Requirements</b>                                   |  |           |
| Thirty-five semester hours including:                 |  |           |
| Undergraduate Applied Music in Emphasis Area          |  | 8         |
| Advanced Undergraduate Applied Music in Emphasis Area |  | 10        |
| Large Ensemble  |  | 2         |
| Secondary Ensemble or Applied Music <sup>1</sup>      |  | 4         |
| Select eight hours from the following: <sup>2</sup>   |  | 8         |
| MUS 1301  | Theory I                                   |           |
| MUS 1101  | Musicianship I                             |           |
| MUS 1302  | Theory II                                  |           |
| MUS 1102  | Musicianship II                            |           |
| MUS 3315  | Survey of Music Literature                 | 3         |
| MUS 1001  | Recital Attendance                         | 0         |
| MUS 40**  | Full Solo Recital (pass/fail; zero credit) | 0         |
| <b>Total Hours</b>                                    |  | <b>35</b> |



<sup>1</sup> Studio Accompanying; Piano Ensemble (for students whose emphasis area is organ substitute MUS 2113 Introductory Service Playing); Chamber Music. Up to two hours may be secondary study on another keyboard instrument.

<sup>2</sup> Theory placement exam required. If a student wishes to use transfer credit or credit by exam for these courses, the student must take the next courses in the theory and musicianship sequence to total 8 credit hours in Theory/Musicianship earned at Baylor.

Admission to a secondary major in Keyboard Music Performance is by audition only, and students must enter this program before earning 45 credit hours at Baylor. This major is available only for keyboard instruments. All hours of applied music in the emphasis area must be taken in the same instrument.

## Church Music Minor

### Academic Minor in Church Music

A student majoring in an area of study other than music may elect a minor in church music by completing the twenty-four semester hour requirements listed below. Additionally, the prospective minor must consult with the Director of the Church Music Program prior to beginning church music courses. The purpose of this meeting is to establish a relationship with the church music faculty and to discuss the student's purpose in pursuing the minor.

| Code                                     | Title  | Hours     |
|--|--|-----------|
| <b>Requirements</b>                      |  |           |
| Twenty-four semester hours including:    |  |           |
| MUS 1301                                 | Theory I (must earn grade of "C" or higher)        | 3         |
| MUS 1101                                 | Musicianship I (must earn grade of "C" or higher)  | 1         |
| MUS 3315                                 | Survey of Music Literature                         | 3         |
| MUS 2260                                 | Elementary Conducting (Music Education Elementary) | 2         |
| MUS 4373                                 | Worship in the Church                              | 3         |
| MUS 4374                                 | The Song of the Church                             | 3         |
| MUS 4375                                 | Leadership in Music Ministry                       | 3         |
| Four hours of applied lessons including: |  | 4         |
| MUS 11V1                                 | Undergraduate Voice                                |           |
| Piano Level IIs                          |  |           |
| Two hours of choral ensembles            |  | 2         |
| MUS 1001                                 | Recital Attendance (two semesters)                 | 0         |
| MUS 1007                                 | Church Music Forum (four semesters)                | 0         |
| <b>Total Hours</b>                       |  | <b>24</b> |

## Music Minor

### Academic Minor in Music

A student majoring in an area of study other than music may elect a minor in music by completing the twenty-one semester hour requirements listed below:

| Code                                 | Title | Hours |
|--------------------------------------|-------|-------|
| <b>Requirements</b>                  |       |       |
| Twenty-one semester hours including: |       |       |

|   |                                    |           |
|---|------------------------------------|-----------|
| MUS 1301  | Theory I                           | 3         |
| MUS 1101  | Musicianship I                     | 1         |
| MUS 3315  | Survey of Music Literature         | 3         |
| Six hours of Classroom Music Courses  |                                    | 6         |
| Eight hours of additional electives, selected from courses with MUS or MUEN prefix <sup>1</sup> |                                    | 8         |
| MUS 1001  | Recital Attendance (two semesters) | 0         |
| <b>Total Hours</b>  |                                    | <b>21</b> |

<sup>1</sup> MUS 1100 Introductory Musicianship, MUS 1200 Introductory Music Theory, MUS 1321 Engaging with Music may not be selected as electives.

## Distribution Lists of Course Choices

### Literature in Context Distribution List

| Code          | Title   | Hours |
|---------------|---|-------|
| CLA 2301      | Literature of Ancient Greece  | 3     |
| CLA 2302      | Literature of Ancient Rome  | 3     |
| CLA 2306      | Greek and Roman Mythology   | 3     |
| ENG 2301      | British Literature  | 3     |
| ENG 2306      | World Literature  | 3     |
| ENG 2310      | American Literary Cultures  | 3     |
| FRE 3312      | Children's Literature in French   | 3     |
| GTX 2301      | Intellectual Traditions of the Ancient World : Literature and Thought   | 3     |
| GTX 2302      | Medieval Intellectual Traditions: Literature and Thought in Context     | 3     |
| GTX/THEA 3341 | Master Works in Drama   | 3     |
| PHI 2303      | Philosophy in Literature  | 3     |
| REL 3301      | Psalms and Wisdom Literature  | 3     |
| REL 3308      | The Literature of the Pentateuch: Narrative, Poetry, Genealogy, and Law | 3     |
| SPA 3305      | Introduction to Hispanic Literature                                     | 3     |

### Formal Reasoning Distribution List

| Code     | Title                   | Hours |
|----------|-------------------------|-------|
| MTH 1301 | Ideas in Mathematics    | 3     |
| MTH 1320 | Precalculus Mathematics | 3     |
| MTH 1321 | Calculus I              | 3     |
| PHI 1306 | Logic                   | 3     |
| STA 1380 | Elementary Statistics   | 3     |

### Scientific Method I: Course with Laboratory Experience Distribution List

| Code                | Title  | Hours |
|---------------------|--|-------|
| ANT 1404            | Introduction to Human Evolution  | 4     |
| ANT 1407            | Introduction to Archaeology  | 4     |
| BIO 1305 & BIO 1105 | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory | 4     |

|                        |   |   |               |   |   |
|------------------------|---|---|---------------|---|---|
| BIO 1306<br>& BIO 1106 | Modern Concepts of Bioscience, continued<br>and Modern Concepts of Bioscience<br>Laboratory | 4 | ANT 3340      | Indigenous Cultures of Modern Mexico and<br>Central America                         | 3 |
| BIO 1401               | Current Issues in Human Biology   | 4 | ANT 3350      | Native North Americans  | 3 |
| BIO 1405               | Investigations of Modern Biology Concepts<br>I  | 4 | ANT/AST 4310  | Societies and Cultures of East Asia   | 3 |
| BIO 1406               | Investigations of Modern Biology Concepts<br>II   | 4 | ANT/GEOG 1310 | Cultural Geography  | 3 |
| CHE 1301<br>& CHE 1101 | Basic Principles of Modern Chemistry I<br>and General Chemistry Laboratory I                | 4 | ANT/GEOG 1310 | Cultural Geography  | 3 |
| CHE 1302<br>& CHE 1102 | Basic Principles of Modern Chemistry II<br>and General Chemistry Laboratory II              | 4 | ANT/SOC 4320  | Culture, Personality and Identity   | 3 |
| ENV 1301<br>& ENV 1101 | Exploring Environmental Issues<br>and An Introduction to Environmental<br>Analysis (Lab)    | 4 | AST 2380      | The Peoples and Culture of Asia   | 3 |
| ENV 1303<br>& ENV 1103 | Wildlife Ecology<br>and Wildlife Ecology Laboratory Exercises                               | 4 | AST 4388      | Contemporary Chinese Society and Culture  | 3 |
| GEO 1401               | Earthquakes and Other Natural Disasters   | 4 | AST/HIS 3305  | Traditional China   | 3 |
| GEO 1402               | World Oceans  | 4 | AST/HIS 3307  | Japan   | 3 |
| GEO 1405               | The Dynamic Earth   | 4 | CHI 2320      | Intermediate Chinese for Communication  | 3 |
| GEO 1410               | Gems and Minerals   | 4 | CHI 3305      | Chinese for Business I  | 3 |
| NSC 1306<br>& NSC 1106 | Introduction to Neuroscience<br>and Introduction to Neuroscience<br>Laboratory              | 4 | CHI 3306      | Chinese for Business II   | 3 |
| PHY 1404               | Light, Vision and Optics  | 4 | CHI 3310      | Chinese Language and Culture through<br>Films                                       | 3 |
| PHY 1405               | Everyday Physics  | 4 | CLA 3301      | Roman History and Civilization  | 3 |
| PHY 1407               | Sound and Acoustics   | 4 | CLA 3302      | Greek History and Civilization  | 3 |
| PHY 1408               | General Physics for Natural and Behavioral<br>Sciences I                                    | 4 | CLA 3303      | Hellenistic History and Civilization  | 3 |
| PHY 1409               | General Physics for Natural and Behavioral<br>Sciences II                                   | 4 | FAS 1311      | Freshman Academic Seminar: Modern<br>Languages, Cultures, and Global<br>Communities | 3 |
| PHY 1420               | General Physics I   | 4 | FRE 1412      | Accelerated Elementary French   | 4 |
| PHY 1430               | General Physics II  | 4 | FRE 2320      | Passport to the French-Speaking World   | 3 |
| PHY 1455               | Descriptive Astronomy   | 4 | FRE 2321      | French for Health Professions   | 3 |
| PHY 2455               | Foundations of Astronomy  | 4 | FRE 3301      | Advanced French Grammar   | 3 |
|                        |   |   | FRE 3302      | Conversational French   | 3 |
|                        |   |   | FRE 3308      | French and Francophone Pop Culture  | 3 |
|                        |   |   | FRE 3310      | Introduction to French Literature   | 3 |
|                        |   |   | FRE 3330      | Introduction to French Cinema   | 3 |
|                        |   |   | FRE/FDM 4330  | Survey of French Cinema   | 3 |
|                        |   |   | GER 2320      | German for Modern Life  | 3 |
|                        |   |   | GER 3301      | German Conversation and Composition   | 3 |
|                        |   |   | GER 3341      | Introduction to German Culture: Germany in<br>the Making                            | 3 |
|                        |   |   | GER 3345      | Introduction to German Film: German<br>Culture from Berlin to Hollywood             | 3 |
|                        |   |   | HEB 2320      | Intermediate Hebrew II  | 3 |
|                        |   |   | ITA 2320      | Pathways in Italian Culture   | 3 |
|                        |   |   | ITA 3301      | Advanced Italian Grammar  | 3 |
|                        |   |   | ITA 3302      | Italian Conversation, Reading, and<br>Composition                                   | 3 |
|                        |   |   | ITA 3310      | Introduction to Italian Literature  | 3 |
|                        |   |   | ITA 3330      | Italian Through Film  | 3 |
|                        |   |   | JPN 2320      | Exploring Japan   | 3 |
|                        |   |   | JPN 3301      | Advanced Japanese I   | 3 |
|                        |   |   | JPN 3302      | Japanese Culture through Reading  | 3 |
|                        |   |   | JPN 3305      | Japanese for the Professions  | 3 |
|                        |   |   | JPN 3306      | Japanese Cinema   | 3 |
|                        |   |   | JPN/THEA 3352 | Japanese Theatre and CultureJapanese<br>Theatre and Culture                         | 3 |
|                        |   |   | KOR 2320      | Intermediate Korean II  | 3 |
|                        |   |   | LAS 1301      | Latin American Nations and People   | 3 |

## Foreign Language and Cultural Competency Distribution List

| Code  | Title                         | Hours |  |
|---|-------------------------------|-------|--|
| Modern Foreign Languages 1301 includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA |                               | 3     |  |
| Modern Foreign Languages 1302 includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA |                               | 3     |  |
| Modern Foreign Languages 1412 includes: GER, SPA  |                               | 3     |  |
| Modern Foreign Languages 2412 includes: GER, SPA  |                               | 3     |  |
| Modern Foreign Languages 2310 includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA |                               | 3     |  |
| Classical Languages 1301 includes: GKC, HEB, LAT  |                               | 3     |  |
| Classical Languages 1302 includes: GKC, HEB, LAT  |                               | 3     |  |
| Classical Languages 2310 includes: GKC, HEB, LAT  |                               | 3     |  |
| ARB 2320  | Arabic Popular Culture        | 3     |  |
| ANT 1305  | Introduction to Anthropology  | 3     |  |
| ANT 1325  | Introduction to Global Health | 3     |  |
| ANT 3301  | Science, Society, and Culture | 3     |  |

|               |   |   |
|---------------|---|---|
| LAS 2301      | An Introduction to Latin American Studies               | 3 |
| LAT 2320      | Intermediate Latin Poetry                               | 3 |
| LING/ENG 3319 | Language and Culture                                    | 3 |
| MES 2301      | Introduction to the Middle East                         | 3 |
| MUS 3321      | Music in World Cultures                                 | 3 |
| MUS 4361      | Traditional Music and Culture in Africa                 | 3 |
| MUS/AST 4362  | Traditional Music and Culture in Asia                   | 3 |
| MUS/LAS 4364  | Traditional Music and Culture in Latin America          | 3 |
| PHI 4331      | Latin American Philosophy                               | 3 |
| PHI 4341      | Contemporary Continental Philosophy                     | 3 |
| POR 2320      | Exploring the Portuguese-Speaking World                 | 3 |
| PSC 3315      | Fundamentals of International Politics                  | 3 |
| PSC 4303      | International Human Rights                              | 3 |
| PSC 4304      | Governments and Politics of Latin America               | 3 |
| PSC 4305      | International Law                                       | 3 |
| PSC 4314      | Government and Politics of Mexico                       | 3 |
| PSC/AST 4325  | Asian International Relations                           | 3 |
| PSC 4334      | Governments and Politics of the Middle East             | 3 |
| PSC 4344      | Government and Politics of Russia                       | 3 |
| PSC 4365      | International Political Economics                       | 3 |
| PSC/AST 3314  | Politics and Problems of Developing Countries           | 3 |
| PSC/AST 4364  | The Governments and Politics of the Asia-Pacific Region | 3 |
| PSC/AST 4374  | Governments and Politics of East Asia                   | 3 |
| REL 4343      | Topics in Islam   | 3 |
| REL 4347      | Topics in African Religions                             | 3 |
| REL 4348      | Modern Judaism  | 3 |
| REL/AST 3345  | World Religions   | 3 |
| REL/AST 4346  | Topics in Asian Religions                               | 3 |
| RUS 2320      | Russian Culture in Context                              | 3 |
| RUS 3301      | Russian Conversation and Composition                    | 3 |
| SEES/HIS 2380 | Introduction to Slavic and East European Studies I      | 3 |
| SEES/HIS 2381 | Introduction to Slavic and East European Studies        | 3 |
| SOC 3318      | Mexican-Americans in U.S. Society                       | 3 |
| SPA 1304      | Elementary Spanish for Heritage Speakers                | 3 |
| SPA 2304      | Intermediate Spanish for Heritage Speakers              | 3 |
| SPA 2320      | Exploring the Spanish-Speaking World                    | 3 |
| SPA 2321      | Intermediate Spanish for Health Professions             | 3 |
| SPA 2322      | Spanish for Christian Ministry                          | 3 |
| SPA 2324      | Spanish for Business                                    | 3 |
| SPA 3302      | Conversation and Composition                            | 3 |
| SPA 3309      | Introduction to Spanish Linguistics                     | 3 |
| SWA 2320      | Intermediate Swahili II                                 | 3 |
| THEA/JPN 3352 | Japanese Theatre and Culture                            | 3 |

## Diana R. Garland School of Social Work

### General Information

#### Introduction

Social work has been a part of the University's curriculum since the first course was taught in the Department of Sociology in 1936. In 1969, the department launched a complete baccalaureate social work program to prepare students for the beginning level of social work practice. The School of Social Work was established in 1999 when Baylor began offering the master of social work degree. The program was moved from within the Department of Sociology, Anthropology, Social Work and Gerontology to become a separate department in the College of Arts & Sciences. In September 2004, the School of Social Work was granted independent status. To honor the founding dean, the School of Social Work was renamed the Diana R. Garland School of Social Work (GSSW) in 2015.

#### BSW Mission Statement

The mission of the Diana R. Garland School of Social Work Baccalaureate Program is to prepare generalist social workers in a Christian context for worldwide service and leadership.

#### Program Philosophy

The primary objective of the BSW program is to provide high quality educational preparation for generalist social work practice with individuals, families, groups, and communities. An equally important objective is to prepare students for graduate social work education.

#### Goals

The goals of the Diana R. Garland School of Social Work are:

1. To produce alumni who are:
  - influencing (through service and leadership) the social welfare of people, families, and communities globally.
  - ethically integrating religious faith with social work practice.
  - culturally responsive and competent.
  - effective in creating healthy organizations.
2. To produce research by the school and its alumni that:
  - provides resources and models for excellence in professional social work practice that contribute to social justice and the wellbeing of individuals, families, and communities.
  - provides resources and models that are respectful, faithful, and effective for communities of faith and religiously-affiliated organizations.

#### Financial Aid

Students entering or enrolled in the Diana R. Garland School of Social Work may apply for financial assistance through the Student Financial Aid Office. A comprehensive program of financial aid is available that includes both academic-based and need-based scholarships, as well as grants, loans, and part-time employment. Financial aid information and applications may be obtained from:

Baylor University  
Student Financial Aid Office  
One Bear Place #97028  
Waco, TX 76798-7028  
254-710-2611 or 1-800-Baylor-U

## Scholarships

Students enrolled may also apply for financial assistance in the Diana R. Garland School of Social Work. The GSSW has limited scholarship funds available for students who have been admitted to the major and who have proven their commitment by posting good grades. Scholarships are awarded annually based on need and academic achievement. Need is determined through the Office of Financial Aid by means of a completed FAFSA and/or CSS Profile. Applications are due each spring for the upcoming academic year. Inquiries regarding the GSSW undergraduate scholarship application can be directed to the BSW Program Manager.

## Student Organizations

### Phi Alpha

Phi Alpha is a national honor society for professional social work. The Eta Sigma Chapter of Phi Alpha was chartered at Baylor University in 1998. The organization's purpose is to promote a closer bond among students of social work and to foster humanitarian goals and ideals. Phi Alpha proudly encourages high standards of education for social workers and invites into membership those who have attained excellence in scholarship and achievements in social work. To be eligible for membership you must satisfy the following requirements:

- Have completed 9 semester hours of required social work courses or at least 37.5% of the total hours/credits required for the degree, whichever is later achieved.
- Achieve a GPA in the top 35% of the respective degree program (BSW, MSW, or PhD)

### Social Work Student Association

The school encourages social work students to participate in opportunities to engage and organize related to their interests. Students can participate in the governance of the school through student representation on GSSW committees, coordinate their interests, and act cooperatively on behalf of all social work students and those they serve.

## Advisement

To enhance Baylor's learning environment, the university's undergraduate academic advisors offer services designed to help students formulate academic goals and develop their personal potential. In addition to selecting classes, professional and faculty advisors work with students in reviewing general degree plans and audits, finding and developing specific academic plans within a major or program, and achieving personal goals. To facilitate students in making important life decisions, advisors and mentors also connect students with departmental and campus resources as well as community and professional opportunities.

### Pre-Social Work Academic Advising

Pre-social work students who have completed less than 30 semester hours are advised in the Office of University Advisement in the Paul L. Foster Success Center. Pre-social work students who have completed thirty semester hours or more and students who have been admitted to the major will be advised by the academic advisor in the GSSW.

### Social Work Academic Advising

Once students are admitted to the social work major, the academic advisor will create and maintain an educational plan that helps students identify and register for social work courses. The advisor will refer students to their professional advisors for professional development advising.

## Application for Admission

Students wishing to pursue the Bachelor of Social Work (BSW) degree must apply for admission to the major. Students who transfer to Baylor University should discuss application for admission to the program with the program manager for baccalaureate studies. Admission to the major requires, the following:

1. A written application demonstrating a commitment to social work values and the profession.
2. Completion of SWO 2321 Introduction to Social Work, or its equivalent, with a minimum grade of "C" in the course. It is recommended that SWO 2321 Introduction to Social Work be taken in the sophomore year.
3. A written response to essay questions summarizing your personal and professional values. The content and evaluation of this essay must reflect professional values and demonstrate self-awareness, professional development, and ethical decision making.
4. An overall GPA of 2.7 on a four-point scale and a grade of "C" or better in all social work courses.
5. A signed Student Code of Conduct, including affirmation of the Code of Ethics as outlined by the National Association of Social Workers (provided in SWO 2321 Introduction to Social Work).

The Dean of the GSSW appoints an admissions committee that will review applications in the spring and summer semesters of each year. This committee, based on the material supplied them, their professional judgment, and the number of positions available for entering students, shall determine the suitability of the Baccalaureate Social Work Program for the applicant and notify them of one of the outcomes stated below.

1. Admitted, contingent upon earning a C or better in SWO 2321 Introduction to Social Work, or its equivalent, and achieving a minimum 2.7 overall GPA prior to entering the major.
2. Not Admitted.
  - a. If student is not admitted, they must wait one year to re-apply. The student is not allowed to reapply to the term for which they were originally denied.

Meeting the minimum standards of the major does not guarantee admission. The written decision of the admissions committee will be communicated to the applicant within fifteen days of the decision date. Students are confirmed as "admitted" when they accept their offer of admission which outlines the standards and conditions for maintaining their standing in the program. Students must be admitted to the program prior to enrolling in Practice I (SWO 3371 Social Work Practice I: Generalist Practice).

Students must maintain a GPA of 2.7 or higher and not have a grade below "C" in social work courses to continue in the major. To be eligible for field internship, students must have a minimum grade of "B" in Practice I (SWO 3371 Social Work Practice I: Generalist Practice), Practice II (SWO 4372 Social Work Practice II: Generalist Practice with Groups), and Practice III (SWO 4373 Social Work Practice III: Generalist Practice with Organizations and Communities) and a GPA of 2.7 or higher in the major. To be eligible to graduate, students must have a minimum grade of "B" in Internship I (SWO 4491 Social Work Internship I) and II (SWO 4492 Social Work Internship II).

Additional details regarding policies and procedures related to the BSW program, including probation within the major, are found in the BSW Student Handbook. Inquiries regarding the GSSW undergraduate application can be directed to the BSW program manager.

## Field Education

### Mission

Field internship is the practical application of the knowledge, values and skills acquired in the classroom. The primary goal of the internship is education and preparation for professional practice. The aim of the Field experience is to provide interns the opportunity to develop and integrate values, knowledge, and skills learned in the classroom with practice in actual practice settings. Practice settings include non-sectarian and religiously affiliated agencies and organizations. Through the internship experience, theory is applied, skills learned, and attitudes, values, and ethical dilemmas are examined. It is expected that each intern will be fully engaged in the professional learning opportunities provided by the placement site under the supervision of the Field Instructor. Baccalaureate interns will be expected to achieve skill development similar to entry level generalist practitioners.

### Field in the Curriculum

Baccalaureate Field internship begins after the student has successfully completed the core Social Work courses. At a minimum, these include: Introduction to Social Work, Human Behavior and the Social Environment I and II, and Practice I, II and III. To be eligible for field internship, students must have a minimum grade of "B" in Practice I (SWO 3371 Social Work Practice I: Generalist Practice), Practice II (SWO 4372 Social Work Practice II: Generalist Practice with Groups), and Practice III (SWO 4373 Social Work Practice III: Generalist Practice with Organizations and Communities) and a GPA of 2.7 or higher in the major.

Field internship is the application of the knowledge and skills the student has obtained in the core classroom courses. This includes two semesters of Field instruction taken concurrently with other courses. Internship I and II each require the student to complete at minimum, 16 hours per week for 15 weeks, for a minimum total of 240 hours per semester or 480 hours total. During the semesters of Field internship, students are not permitted to take more than 15 semester hours (including Field internship) without the consent of the Associate Dean for Academic Affairs. To be eligible to graduate, students must have a minimum grade of "B" in Internship I (SWO 4491 Social Work Internship I) and II (SWO 4492 Social Work Internship II).

### Field Orientation

Prior to beginning Field internship, all students must attend Field internship orientation. This orientation includes presentation of Field policies, discussion of Field requirements and evaluation, grading procedures, and a description of the Field faculty/liaison system. Failure to attend this orientation will prohibit entry into Field internship and will therefore delay a student's course of study.

**The Application/Registration Process for Field Internship is found in the Field Education Manual along with all other policies and procedures related to Field Education.**

Students who are denied admission to the Field internships are informed in writing and are directed to contact their advisor regarding the effect on the completion of the degree plan

## School of Social Work Faculty and Staff

Christen Argueta, M.S.W., Director of Online MSW Program  
Carrie Arroyo, M.S.W.  
Stephanie, Boddie, Ph.D.

Carolyn Cole, M.S.W., Associate Director of Field Education

Jennifer Dickey, Ph.D.

Kerri Fisher, M.S.W.

LeAnn Gardner, M.S.W., Assistant Director of Field Education - Online Program

Luci Ramos Hoppe, M.S.W., Director of BSW Program

Brianna Lemmons, Ph.D.

Whitney Luce, M.S.W., Director of Field Education

Elissa Madden, Ph.D.

Jocelyn McGee, Ph.D.

Sung Seek Moon, Ph.D.

Dennis R. Myers, Ph.D.

Holly K. Oxhandler, Ph.D., Associate Dean for Research and Faculty Development

Danielle Parrish, Ph.D.

E. Clay Polson, Ph.D.

Cheryl Pooler, D.S.W.

David K. Pooler, Ph.D.

Sarah Dorrell Ritter, M.S.W., Director of MSW Program

Robin K. Rogers, Ph.D., Co-Director of Ph.D. Program

T. Laine Scales, Ph.D., Co-Director of Ph.D. Program

Becky Scott, Ph.D.

Jon E. Singletary, Ph.D., Dean

Gaynor I. Yancey, D.S.W., Director of CCCI

Qianwei Zhao, Ph.D.

Melody Y. Zuniga, M.S.W., Associate Dean for Academic Affairs  
Staff Personnel

| Name                  | Title  |
|-----------------------|--|
| Angela Bailey         | Faculty Development and PhD Program Manager      |
| Krista Barrett        | Field Education Program Manager                  |
| Emily Cornassel       | Assistant Director of Admissions                 |
| Deborah De Laurell    | Academic Affairs and GML Program Manager         |
| Crystal Diaz-Espinoza | Director of Enrollment and Alumni Services       |
| Rachel Garcia         | Program Manager, Baccalaureate Program           |
| Amber George          | Grants and Sponsored Programs Manager            |
| Terry Henderson       | Business Officer                                 |
| Jim Heston            | Academic Consultant - Instructional Designer     |
| Andrea Hix            | Assistant to the Dean                            |
| Krysta Long           | Recruitment and Student Services Program Manager |
| Carly Lund            | Admissions and Student Services Coordinator      |
| Suzanne Sellers       | Graduate Admissions Coordinator                  |
| Morgan Strehlow       | Program Manager, MSW Program                     |
| Nikki Wilmoth         | Director of Marketing and Communication          |

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- Christian Ministry Certificate (p. 460)
- Poverty Studies and Social Justice Minor (p. 460)
- Gerontology Minor (p. 461)
- Civic Interfaith Studies Minor (p. 461)



# Bachelor of Social Work (B.S.W.)

The GSSW baccalaureate and graduate programs are fully accredited by the Council on Social Work Education.

## BSW Degree Requirements

| Code   | Title  | Hours |
|--|--|-------|
| <b>Requirements</b>  |  |       |
| Minimum Requirements   |  | (124) |
| Residence Requirement  |  | (60)  |
| Grade point average – minimum of 2.00 overall for the university and a 2.7 overall once accepted to the major.   |  |       |
| <b>Basic Requirements</b>  |  |       |
| <i>Chapel</i>  |  |       |
| Complete two semesters   |  | 0     |
| <i>English</i>   |  |       |
| ENG 2310   | American Literary Cultures   | 3     |
| <i>History</i>   |  |       |
| HIS 1300   | The United States in Global Perspective  | 3     |
| <i>Political Science</i>   |  |       |
| PSC 1387   | The U.S. Constitution, Its Interpretation, and the American Political Experience | 3     |
| <i>Religion</i>  |  |       |
| REL 1310   | The Christian Scriptures   | 3     |
| REL 1350   | The Christian Heritage   | 3     |
| <i>Economics</i>   |  |       |
| ECO 3355   | Introduction to the Economics of Poverty and Discrimination                      | 3     |
| <i>Philanthropy and Public Service</i>   |  |       |
| PPS 1100   | Introduction to Citizenship and Community Service                                | 1     |
| <i>Communication and Media Literacy (One Course)</i>   |  |       |
| Select 3 hours from the Communication and Media Literacy distribution list.  |  | 3     |
| <i>Contemporary Social Issues (One Course)</i>   |  |       |
| Select 3 hours from the Contemporary Social Issues distribution list.  |  | 3     |
| <i>Fine Arts and Performing Arts (One Course)</i>  |  |       |
| Select 3 hours from the Fine Arts and Performing Arts distribution list.   |  | 3     |
| <i>Foreign Language and Culture</i>  |  |       |
| Select <b>one</b> of the following options: <sup>1</sup>   |  | 8-12  |
| Option One (two courses)   |  |       |
| 8 hours selected from intensive language courses in German or Spanish (both courses must be from the same language and both must be completed in residence): 1412 and 2412   |  |       |
| Option Two (three courses)   |  |       |
| 9 hours from the Foreign Language and Culture Distribution list, including the completion of at least one language through the third level proficiency (2310 course or equivalent) from American Sign Language, Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, or Swahili |  |       |
| Option Three (three courses)   |  |       |

12 hours from the Foreign Language and Culture Distribution list, including the completion of two classical languages (Latin, Greek, Hebrew, Aramaic) through 1302

### Formal Reasoning

Select one course from the following: 3

MTH 1301 Ideas in Mathematics

MTH 1320 Precalculus Mathematics

MTH 1321 Calculus I

STA 1380 Elementary Statistics

### Literature in Context (One Course)

Select 3 hours from the Literature in Context distribution list. 3

### Research Writing

ENG 1310 Writing and Academic Inquiry Seminars 3

### Scientific Method I: Course with Laboratory Experience

Select 4 hours (one 4-hour course with included lab or 3-hour lecture and matching 1-hour lab course) from each of the following two groups: 4

BIO 1401 Current Issues in Human Biology

or BIO 1305 Modern Concepts of Bioscience  
& BIO 1105 and Modern Concepts of Bioscience Laboratory

NSC 1306 Introduction to Neuroscience  
& NSC 1106 and Introduction to Neuroscience Laboratory

### Lifetime Fitness

Select one course 1

### Major Requirements <sup>2</sup>

SWO 2320 Human Diversity and Leadership 3

SWO 2321 Introduction to Social Work 3

SWO 3351 Human Behavior and the Social Environment I 3

SWO 3352 Human Behavior and the Social Environment II 3

SWO 3371 Social Work Practice I: Generalist Practice 3

SWO 4301 Social Work Research 3

SWO 4305 Data Analysis for Social Work 3

SWO 4322 Social Policy for Social Work Practice 3

SWO 4372 Social Work Practice II: Generalist Practice with Groups 3

SWO 4373 Social Work Practice III: Generalist Practice with Organizations and Communities 3

SWO 4491 Social Work Internship I 4

SWO 4492 Social Work Internship II 4

Any 2-3 hour Social Work elective 2-3

### Minor – Optional

May elect one or more minors. Specific requirements in departmental sections of this catalog.

### Advanced Work Minimum

“3000” or “4000” numbered courses 36

The requirements for advanced credit, residence, chapel, minimum grade point average, and maximum credit are the same as for the bachelor of arts degree. Additional information about requirements is listed under the “General University Regulations.”

**Total Hours** 126-131

<sup>1</sup> Students who bring in credit for foreign language or have proficiency in a language other than English are encouraged to consult with the Department of Modern Languages and Cultures, Classics (Latin or Greek), or Religion (Hebrew) for recommendations on placement and appropriate classes.

<sup>2</sup> It is highly recommended that all students who enter Baylor in the fall semester, with the declared major of pre-social work, enroll in SWO 1101 Social Justice and New Beginnings at Baylor.

For curricular requirements within the Garland School, the following courses are pre-approved to satisfy the Foreign Language and Culture requirement:

## Foreign Language and Culture Distribution List

| Code   | Title   | Hours |
|--|---|-------|
| Modern Foreign Languages 1301 (includes: ARB, CHI, CSD, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA) |   | 3     |
| Modern Foreign Languages 1302 (includes: ARB, CHI, CSD, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA) |   | 3     |
| Modern Foreign Languages 1412 (includes: GER, SPA)   |   | 3     |
| Modern Foreign Languages 2412 (includes: GER, SPA)   |   | 3     |
| Modern Foreign Languages 2310 (includes: ARB, CHI, CSD, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA) |   | 3     |
| Classical Languages 1301 (includes: GKC, HEB, LAT)   |   | 3     |
| Classical Languages 1302 (includes: GKC, HEB, LAT)   |   | 3     |
| Classical Languages 2310 (includes: GKC, HEB, LAT)   |   | 3     |
| ARB 2320   | Arabic Popular Culture  | 3     |
| AST 2380   | The Peoples and Culture of Asia   | 3     |
| AST 4388   | Contemporary Chinese Society and Culture                                      | 3     |
| CHI 2320   | Intermediate Chinese for Communication  | 3     |
| CHI 3305   | Chinese for Business I  | 3     |
| CHI 3306   | Chinese for Business II   | 3     |
| CHI 3310   | Chinese Language and Culture through Films                                    | 3     |
| CLA 3301   | Roman History and Civilization  | 3     |
| CLA 3302   | Greek History and Civilization  | 3     |
| FAS 1311   | Freshman Academic Seminar: Modern Languages, Cultures, and Global Communities | 3     |
| FRE 1412   | Accelerated Elementary French   | 4     |
| FRE 2320   | Passport to the French-Speaking World   | 3     |
| FRE 2321   | French for Health Professions   | 3     |
| FRE 3301   | Advanced French Grammar   | 3     |
| FRE 3302   | Conversational French   | 3     |
| FRE 3308   | French and Francophone Pop Culture  | 3     |
| FRE 3310   | Introduction to French Literature   | 3     |
| FRE 3330   | Introduction to French Cinema   | 3     |
| GER 2320   | German for Modern Life  | 3     |
| GER 3301   | German Conversation and Composition   | 3     |
| GER 3341   | Introduction to German Culture: Germany in the Making                         | 3     |
| GER 3345   | Introduction to German Film: German Culture from Berlin to Hollywood          | 3     |
| GRK 2320   | Intermediate Greek Poetry   | 3     |

|               |  |   |
|---------------|--|---|
| HEB 2320      | Intermediate Hebrew II                         | 3 |
| ITA 2320      | Pathways in Italian Culture                    | 3 |
| ITA 3301      | Advanced Italian Grammar                       | 3 |
| ITA 3302      | Italian Conversation, Reading, and Composition | 3 |
| ITA 3310      | Introduction to Italian Literature             | 3 |
| ITA 3330      | Italian Through Film                           | 3 |
| JPN 2320      | Exploring Japan                                | 3 |
| JPN 3301      | Advanced Japanese I                            | 3 |
| JPN 3302      | Japanese Culture through Reading               | 3 |
| JPN 3305      | Japanese for the Professions                   | 3 |
| JPN 3306      | Japanese Cinema                                | 3 |
| KOR 2320      | Intermediate Korean II                         | 3 |
| LAS 2301      | An Introduction to Latin American Studies      | 3 |
| LAT 2320      | Intermediate Latin Poetry                      | 3 |
| MES 2301      | Introduction to the Middle East                | 3 |
| POR 2320      | Exploring the Portuguese-Speaking World        | 3 |
| RUS 2320      | Russian Culture in Context                     | 3 |
| RUS 3301      | Russian Conversation and Composition           | 3 |
| SPA 2304      | Intermediate Spanish for Heritage Speakers     | 3 |
| SPA 2320      | Exploring the Spanish-Speaking World           | 3 |
| SPA 2321      | Intermediate Spanish for Health Professions    | 3 |
| SPA 2322      | Spanish for Christian Ministry                 | 3 |
| SPA 2324      | Spanish for Business                           | 3 |
| SPA 3302      | Conversation and Composition                   | 3 |
| SPA 3309      | Introduction to Spanish Linguistics            | 3 |
| SWA 2320      | Intermediate Swahili II                        | 3 |
| THEA/JPN 3352 | Japanese Theatre and Culture                   | 3 |

## Additional Cultural Competency Courses

| Code          | Title  | Hours |
|---------------|--|-------|
| ANT 1305      | Introduction to Anthropology                             | 3     |
| ANT 1325      | Introduction to Global Health                            | 3     |
| ANT 1306      | Cultural Anthropology in Global Context                  | 3     |
| ANT 3301      | Science, Society, and Culture                            | 3     |
| ANT 3340      | Indigenous Cultures of Modern Mexico and Central America | 3     |
| ANT 3350      | Native North Americans                                   | 3     |
| ANT/AST 4310  | Societies and Cultures of East Asia                      | 3     |
| ANT/GEOG 1310 | Cultural Geography                                       | 3     |
| ANT/GEOG 1310 | Cultural Geography                                       | 3     |
| ANT/SOC 4320  | Culture, Personality and Identity                        | 3     |
| AST/HIS 3305  | Traditional China  | 3     |
| AST/HIS 3307  | Japan  | 3     |
| FRE/FDM 4330  | Survey of French Cinema                                  | 3     |
| JPN/THEA 3352 | Japanese Theatre and CultureJapanese Theatre and Culture | 3     |
| LAS 1301      | Latin American Nations and People                        | 3     |
| LING/ENG 3319 | Language and Culture                                     | 3     |
| MUS 3321      | Music in World Cultures                                  | 3     |
| MUS 4361      | Traditional Music and Culture in Africa                  | 3     |
| MUS/AST 4362  | Traditional Music and Culture in Asia                    | 3     |

|               |   |   |
|---------------|---|---|
| MUS/LAS 4364  | Traditional Music and Culture in Latin America          | 3 |
| PHI 4331      | Latin American Philosophy                               | 3 |
| PHI 4341      | Contemporary Continental Philosophy                     | 3 |
| PSC 3315      | Fundamentals of International Politics                  | 3 |
| PSC 4303      | International Human Rights                              | 3 |
| PSC 4304      | Governments and Politics of Latin America               | 3 |
| PSC 4305      | International Law                                       | 3 |
| PSC 4314      | Government and Politics of Mexico                       | 3 |
| PSC/AST 4325  | Asian International Relations                           | 3 |
| PSC 4334      | Governments and Politics of the Middle East             | 3 |
| PSC 4344      | Government and Politics of Russia                       | 3 |
| PSC 4365      | International Political Economics                       | 3 |
| PSC/AST 3314  | Politics and Problems of Developing Countries           | 3 |
| PSC/AST 4364  | The Governments and Politics of the Asia-Pacific Region | 3 |
| PSC/AST 4374  | Governments and Politics of East Asia                   | 3 |
| REL 4343      | Topics in Islam   | 3 |
| REL 4347      | Topics in African Religions                             | 3 |
| REL 4348      | Modern Judaism  | 3 |
| REL/AST 3345  | World Religions   | 3 |
| REL/AST 4346  | Topics in Asian Religions                               | 3 |
| SEES/HIS 2380 | Introduction to Slavic and East European Studies I      | 3 |
| SEES/HIS 2381 | Introduction to Slavic and East European Studies        | 3 |
| SOC 3318      | Mexican-Americans in U.S. Society                       | 3 |

## Christian Ministry Certificate

### Certificate in Christian Ministry

Beginning fall, 2011, social work majors can attain a Certification in Christian Ministry. This will help provide the necessary underpinning in working in and with congregations, religiously-affiliated organizations, and for some students, in missions.

The Certificate requires 19 semester hours of the following courses:

| Code   | Title                     | Hours     |
|--|---------------------------|-----------|
| <b>Required Courses</b>                          |                           |           |
| Nineteen semester hours including the following: |                           |           |
| REL 1310   | The Christian Scriptures  | 3         |
| REL 1350   | The Christian Heritage    | 3         |
| REL 2480   | Introduction to Ministry  | 4         |
| REL 3381   | Communication in Ministry | 3         |
| REL 3390   | Christian Ethics          | 3         |
| REL 4340   | Christian Missions        | 3         |
| <b>Total Hours</b>                               |                           | <b>19</b> |

## Poverty Studies and Social Justice Minor

### Requirements for a Minor in Poverty Studies and Social Justice

| Code   | Title   | Hours |
|--|---|-------|
| <b>Required Courses</b>  |   |       |
| Eighteen semester hours including the following:   |   |       |
| ECO 3355   | Introduction to the Economics of Poverty and Discrimination | 3     |
| SWO 4315   | Foundations for Social Justice                              | 3     |
| SWO 4322   | Social Policy for Social Work Practice                      | 3     |
| Select nine semester hours from additional hours taken from courses related to social justice and approved by the School of Social Work: |   | 9     |
| ANT 1306   | Cultural Anthropology in Global Context                     |       |
| ANT 1325   | Introduction to Global Health                               |       |
| ANT 3320   | Environment and Human Behavior                              |       |
| ANT 4320   | Culture, Personality and Identity                           |       |
| BIC 4374   | World Cultures V: Differing Visions and Realities           |       |
| BIO 4331   | Science Leadership: Community-Based Research                |       |
| CFS 4356   | The Family: A Global Perspective                            |       |
| CFS 4367   | Family Transitions, Stress, and Resilience                  |       |
| CSD 3312   | Deaf Culture  |       |
| CSS 4354   | African American Communication                              |       |
| ECO 3331   | International Economics                                     |       |
| ECO 4334   | Economic Development  |       |
| ECO 4336   | Economics of Labor  |       |
| ENG 3305   | Sociolinguistics  |       |
| ENT 4353   | Social Entrepreneurship and Economic Development            |       |
| ENV 3314   | Introduction to Environmental Health                        |       |
| ENV 4310   | World Food Problems   |       |
| HIS 2390   | Introduction to Women's and Gender History                  |       |
| HIS 3308   | Hitler and the Holocaust                                    |       |
| HIS 3355   | Modern Latin America  |       |
| HIS 3371   | History of Black Americans                                  |       |
| HIS 4312   | Modern Middle East History                                  |       |
| HIS 4313   | War and Peace in the Middle East                            |       |
| HIS 4350   | The History of Gender in Latin America                      |       |
| HIS 4375   | The American Civil Rights Movement                          |       |
| HIS 4385   | The United States in the 1960s                              |       |
| HP 3311  | Essentials of Ethics in Healthcare                          |       |
| JOU 4305   | Gender, Race & Media  |       |
| LDS 3308   | Interfaith Leadership                                       |       |
| MH 4396  | Disability and Society                                      |       |
| MKT 3340   | Nonprofit Marketing   |       |
| NSC 4312   | Behavioral Medicine   |       |
| NUTR 4352  | World Nutrition   |       |

|           |  |
|-----------|--|
| PHI 1308  | Contemporary Moral Problems                          |
| PHI 3301  | Moral Philosophy                                     |
| PHI 4361  | Social Philosophy                                    |
| PHI 4V99  | Special Topics in Philosophy                         |
| PPS 3372  | Law, Justice and the Community                       |
| PPS 4310  | Philanthropy, Civil Society, & the Public Good       |
| PPS 4V98  | Advanced Study in Philanthropy and Social Innovation |
| PSC 3300  | The Environment and Political Processes              |
| PSC 3314  | Politics and Problems of Developing Countries        |
| PSC 3320  | Minority and Ethnic Group Politics                   |
| PSC 3325  | Ethnopolitical Conflicts                             |
| PSC 4303  | International Human Rights                           |
| PSC 4355  | Power, Morality, and International Relations         |
| PSC 4375  | International Organization                           |
| PSC 4383  | Contemporary Political Thought                       |
| PSY 3310  | Social Psychology                                    |
| PUBH 2330 | Introduction to Public and Population Health         |
| PUBH 3325 | Maternal and Infant Health                           |
| PUBH 4340 | Global Health  |
| SIC 4V98  | Special Topics in Social Innovation                  |
| SOC 3309  | Religion and Society                                 |
| SOC 3311  | The Sociology of Race and Ethnicity                  |
| SOC 3322  | City and Community                                   |
| SOC 3330  | Women in American Society                            |
| SOC 3372  | Population Health                                    |
| SOC 4352  | Criminology  |
| SOC 4353  | Sociology of Medicine                                |
| SOC 4366  | Social Movements                                     |
| SWO 2321  | Introduction to Social Work                          |
| SWO 3351  | Human Behavior and the Social Environment I          |
| SWO 3352  | Human Behavior and the Social Environment II         |
| TED 3380  | Social Issues in Education                           |

**Total Hours** **18**

## Gerontology Minor

### Requirements for a Minor in Gerontology

| Code   | Title                                       | Hours |
|--|---|-------|
| <b>Required Courses</b>                          |   |       |
| Eighteen semester hours including the following: |   |       |
| GRT 3305   | Introduction to Gerontology                 | 3     |
| GRT 4393   | Sociology of Aging                          | 3     |
| GRT 4395   | Aging and Mental Health                     | 3     |
| PSY 3341   | A Survey of Human Development               | 3     |
| or SWO 3351                                      | Human Behavior and the Social Environment I |       |
| Select six semester hours from the following:    |   |       |
| ECO 4350   | Economics of Health and Medical Care        | 6     |

|             |  |
|-------------|--|
| NUTR 2351   | Nutrition  |
| PSC 3310    | Legislative Process and Behavior                         |
| REL 4395    | Bioethics  |
| SOC 4310    | Death and Dying  |
| PSY 4355    | Psychology and Aging                                     |
| or SOC 4V70 | Special Topics in Sociology                              |
| SWO 4V70    | Special Topics in Social Work                            |
| ANT 4325    | Medical Anthropology                                     |
| BIO 3100    | Seminar in Biology                                       |
| CFS 3356    | Theories of Family Development                           |
| MH 4372     | End-of-Life Care & Bereavement                           |
| NUR 3324    | The Maturing Family                                      |
| NUR 4345    | Professional Nursing Practice: Population Health Nursing |
| NUTR 4351   | Life Cycle Nutrition                                     |
| PHP 1206    | Introduction to the Health Professions                   |
| PSY 3350    | Developmental Psychology                                 |
| PUBH 1145   | Health and Human Behavior                                |
| SOC 4353    | Sociology of Medicine                                    |
| SOC 4357    | Health Inequalities in America                           |
| SWO 4316    | Trauma, Loss, and Mourning                               |

**Total Hours** **18**

## Civic Interfaith Studies Minor

### Requirements for a Minor in Civic Interfaith Studies

| Code  | Title   | Hours |
|---|---|-------|
| <b>Required Courses</b>                                   |   |       |
| Eighteen semester hours including the following:          |   |       |
| LDS 3308  | Interfaith Leadership   | 3     |
| REL 3345  | World Religions <sup>1</sup>  | 3     |
| SWO 2320  | Human Diversity and Leadership                                      | 3     |
| Select nine additional semester hours from the following: |   |       |
| BIC 3358  | Examined Life II: Biblical Heritage and Contemporary Ethical Issues |       |
| BIC 4389  | Examined Life III Capstone: Special Topics                          |       |
| REL 4342  | Christianity and the World Religions                                |       |
| SWO 4315  | Foundations for Social Justice                                      |       |
| SWO 4V80  | Special Topics (Spirituality in Social Work Practice)               |       |

In the event that the above electives are unavailable, students may select from the following courses:

|          |   |
|----------|---|
| ANT 1306 | Cultural Anthropology in Global Context           |
| ANT 1360 | Religion, Magic and Witchcraft                    |
| ANT 3320 | Environment and Human Behavior                    |
| ANT 4360 | Anthropology of Religion                          |
| BIC 4374 | World Cultures V: Differing Visions and Realities |
| INB 3333 | Doing Business Across Cultures                    |
| JOU 3376 | History of American Journalism                    |
| JOU 3387 | International Communication                       |
| JOU 4305 | Gender, Race & Media                              |

|                    |   |
|--------------------|---|
| LDS 3312           | Leadership for 21st Century America               |
| PPS 1100           | Introduction to Citizenship and Community Service |
| PPS 2301           | Leadership and Social Change                      |
| PPS 4310           | Philanthropy, Civil Society, & the Public Good    |
| PHI 2305           | Philosophy and Religion                           |
| <b>Total Hours</b> | <b>18</b>   |

<sup>1</sup> Students in the BIC may take BIC 1314 World Cultures I: Roots of Culture or BIC 1324 World Cultures II: Religion and Culture in place of REL 3345 World Religions.

## Interdisciplinary Programs and Academic Resources

The programs and services in this area enrich the academic programs of the entire University. Interdisciplinary Programs and Academic Support Services consist of two primary components:

1. Interdisciplinary study programs. A wide variety of programs crossing the boundaries of various academic units provides interdisciplinary opportunities for students and faculty, thereby enhancing the quality of the University experience. The University's involvement with international studies and programs finds its logical home within the interdisciplinary scope of this area. This involves international students in Baylor's various academic units, exchange programs, and study abroad programs, as well as academic programs with an international focus.
2. The learning resource base is an integral component of the entire University. This consists of the Baylor University Libraries, the museum complex, and the Baylor University Press.

## Center for Global Engagement

Jeffrey Hamilton, Ph.D., Vice Provost for Global Engagement, and Jo Murphy Chair  
 Lynae Jordan, Assistant to the Vice Provost for Global Engagement and Office Manager  
 Holly Joyner, M.A., Assistant Director of Marketing and Communications  
 Jorge Vielledent, M.S. Ed, MBA, Financial Manager

## International Student and Scholar Services

Mark Bryant, Ed.D., Director of International Student and Scholar Services  
 Grace Semple-Paul, J.D., Assistant Director of International Student and Scholar Services and J-1 Scholar Advisor  
 Leslie Hicks, International Student Advisor  
 Brandon Hoyer, M.S. Ed., International Programs Coordinator  
 Timothy L. Johnson, International Student Advisor  
 Delores Melendez, International Student Records Management Associate

## Study Abroad

Bo White, Ed.D., M.Div., Director of Study Abroad  
 Kodi Henderson, M.A., Assistant Director of Study Abroad  
 Sophia Ferris, Study Abroad Program Advisor  
 Katie Klingstedt, M.S. Ed., Study Abroad Program Advisor

## Global Baylor

(Quality Enhancement Plan)

Robert Leis, M.A., MBA, Assistant Director of Global Baylor

## Global Gateway

Cornell Menking, Ph.D., Director of Global Gateway Program  
 Meredith L. Moore, M.A., Senior Student Success Manager  
 Christine A. Fabiszewski, M.A., Lecturer, English for Academic Purposes  
 Matthew Piech, M.A., A.A.S., Lecturer, English for Academic Purposes  
 Tanya R. Vernon, M.A., Lecturer, English for Academic Purposes  
 Debra M. Wainscott, M.A., Lecturer, English for Academic Purposes

## Institutes

### Institute of Archaeology

Joseph V. Ferraro, Ph.D., Director  
 C. Alton Hassell, Ph.D., (*Chemistry*)  
 Lee C. Nordt, Ph.D., (*Geology*)

### J. M. Dawson Institute of Church-State Studies

C. Douglas Weaver, Ph.D., Director  
 Jerold Waltman, Ph.D., Editor of The Journal of Church and State

### Institute for Oral History

Stephen M. Sloan, Director  
 Adrienne Cain, B.A., M.L.S., Assistant Director  
 Steven Sielaff, B.A., M.A., Senior Editor and Collections Manager

## Academic Resources

### University Libraries

John S. Wilson, M.L.S., Interim Dean of University Libraries & Assoc. Dean of Special Collections and Director of the Texas Collection  
 Timothy M. Logan, M.F.A., Associate Vice President of the Electronic Library

### Central Libraries

Beth Elene Farwell, M.M., M.L.I.S., Director  
 Kenneth L. Cariveau, Jr., M.S.L.S., Associate Director  
 Sha Towers, M.M., M.L.S., Associate Director  
 John Bales, M.Div., M.L.I.S.  
 Eileen M. Bentsen, M.A., M.Phil., M.L.S.  
 Christina Chan-Park, Ph.D., M.P.A.  
 Clayton Crenshaw, M.M., M.S.L.S.  
 Bruce J. Evans, M.L.S.  
 Ellen Hampton Filgo, M.S.L.S.  
 Ben Johansen, Ph.D., M.M.  
 Kara Long, M.A., M.S.I.S.  
 Megan Martensen, M.S.I.S.  
 Allison M. McCormack, M.L.I.S.  
 Peter Ramsey, M.S.L.S.  
 Carol Carson Schuetz, M.S., M.L.S.  
 Sinai P. Wood, M.L.S.  
 Allison R. Yanos, M.L.S.

### Electronic Library

Amie Oliver, M.L.I.S., Associate Director  
 Debra Davendonis-Todd, M.L.I.S., Associate Director

*Academic Technology and Media Services*



David R. Burns, M.S.Ed.

#### *Client Services*

Richard D. Gerik, M.S., Director  
J. Michael Hutcheson, M.S.  
Conner J. Krey, B.B.A.

#### *Online Teaching and Learning Services*

Sandra M. Bennett, Ph.D., Director

#### *Resources and Collection Management Services*

Billie R. Peterson-Lugo, M.A.L.S., Director  
H. Denyse Rodgers, M.L.S.  
Darryl B. Stuhr, M.M.

## Special Libraries and Centers

### **Armstrong Browning Library**

Rita Patteson, M.L.S., Director  
Jennifer H. Borderud, M.A., M.S.I.S.  
Cynthia A. Burgess, M.L.I.S.

### **Keston Center for Religion, Politics, and Society**

Kathy R. Hillman, M.L.S., Director

### **The Texas Collection**

John S. Wilson, M.L.S., Director  
Amanda K. Norman, M.A., M.S.I.S.  
Benna Vaughn, M.A.

### **Baylor Collection of Political Materials**

Mary K. Goolsby, M.L.I.S.  
William B. Hair, III, M.L.S.  
Chet Edwards, W. R. Poage Distinguished Chair for Public Service

## Endowed Positions

Josh King, Ph.D., holder of the Margaret Root Brown Chair in Robert Browning and Victorian Studies

## Baylor University Press

Carey C. Newman, Ph.D., Director  
Diane Smith, M.A., Associate Director/Production Manager  
Karla Garrett, B.B.A., Finance and Operations Manager  
Jenny Hunt, M.A. Assistant Production Manager/Electronic Publishing Manager  
David Aycock, B.B.A., Marketing and Sale Manager

## Mayborn Museum Complex

Charles H. Walter, M.B.A., Director of Mayborn Museum Complex  
Tom Haddad, A.A.S., Assistant Director of Facilities and Collections  
Lesa Bush, B.S., Assistant Director of Education and Programs  
Rebecca Tucker-Nall, M.A., Assistant Director of Communications

## Endowed Positions

### **Chair**

The Jo Murphy Chair, Center for Global Engagement

## Special Appointment

The Baylor Plantation Ranch Museum Curatorship

## Scholarships

The Eloise and Baker James Cauthen – Asian Studies Scholarship

The Dr. and Mrs. O.P. Constantine Memorial Scholarship  
The Benjamin A. Gilman Scholarship  
The Glennis McCrary Goodrich International Scholarship  
The Dixon Wector Scholarship in American Civilization

Applications for all academic scholarships may be obtained by contacting the specific academic department.

## Institutes

### **Institute of Archaeology**

The Institute of Archaeology is a multidisciplinary unit anchored in the Department of Anthropology. The aim of the Institute is to enhance knowledge of the human past through the scientific recovery and analysis of artifacts and ecofacts from archaeological sites and to promote the wide diffusion and responsible interpretation of that knowledge on campus and in the wider community. These goals are carried out through the Institute's support of both faculty and student research, awarding scholarships to students engaged in archaeological fieldwork, and sponsorship of an active on-campus colloquium series.

### **J.M. Dawson Institute of Church-State Studies**

The J.M. Dawson Institute of Church-State Studies is the only interdisciplinary institute of its kind in American academia, providing scholars with the resources to examine the relationship between religion and politics, as well as the broader relationship between religion and society, from a variety of faith perspectives, cultural traditions, and academic disciplines. From its inception in 1957, the stated purpose of the Institute has been to stimulate academic interest and encourage research and publications in this vital interdisciplinary field. In carrying out its statement of purpose, the Institute has sought to honor a threefold commitment: to be interfaith, interdisciplinary, and international.

### **Institute for Oral History**

The Institute for Oral History provides ongoing oral history research and teaching, with various expressions of its work carried out through research, publications, educational outreach, and public programming. In addition to the full-time research staff, fellows are chosen annually from among the various disciplines of the Baylor faculty to expand the Institute's work into a wide variety of research areas.

## Center for Global Engagement (CGE)

The Center for Global Engagement is charged with supporting the mission of Baylor University to educate men and women for worldwide leadership and service. We do this by assisting faculty, staff, students participating in international activities such as study abroad programs, internships, research, and academic conferences. Additionally, the Center for Global Engagement works with international students and scholars who come here to join our academic community, assisting with the visa process, orientation and integration into the university and life in the United States. Finally, by sponsoring academic and cultural events across campus throughout the year, the Center works to broaden our community's exposure to cultural diversity and prepare students to live in a global society.

Please visit the Center for Global Engagement's website at [www.baylor.edu/globalengagement](http://www.baylor.edu/globalengagement) (<http://www.baylor.edu/globalengagement/>).

**Current faculty-led group study abroad programs include:**

| Program   | Faculty Member                              |
|---|---|
| Archaeology Research in Italy                     | Dr. Davide Zori                             |
| Baylor Academy of the Advocate – St Andrews (Law) | Dr. William Counseller, Mr. Stephen Rispoli |
| Baylor Arts Festivals Abroad                      | Dr. Jojo Percy                              |
| Baylor Business in Europe                         | Dr. Leslie Palich                           |
| Baylor Business in Sydney                         | Dr. Chris Pullig                            |
| Baylor Education in Costa Rica                    | Dr. Richard Strot                           |
| Baylor in Argentina                               | Dr. Joan Supplee                            |
| Baylor in Australia                               | Dr. Christopher Wynveen                     |
| Baylor in Barbados                                | Dr. Curt Nicols                             |
| Baylor in Brazil                                  | Dr. Eva Doyle, Dr. Robert Doyle             |
| Baylor in Budapest                                | Prof. Maxey Parrish                         |
| Baylor in Denia                                   | Dr. Allyson Irom                            |
| Baylor in Germany                                 | Dr. Jennifer Good                           |
| Baylor in Great Britain                           | Dr. James Henderson, Dr. Charles Weaver     |
| Baylor in Greece                                  | Dr. Scott Moore                             |
| Baylor in Italy                                   | Dr. Dan Hanchey                             |
| Baylor in Japan                                   | Dr. Yuko Prefume                            |
| Baylor in London - Communication                  | Dr. Kayla Rhidenour                         |
| Baylor in Madrid                                  | Dr. Rosario Colchero-Dorado                 |
| Baylor in Morocco                                 | Dr. Lynn Whitcomb                           |
| Baylor in New Zealand                             | Dr. Clay Butler                             |
| Baylor in Oxford                                  | Dr. Elizabeth Flowers, Dr. Laine Scales     |
| Baylor in Paris                                   | Dr. Alexandre Thiltges                      |
| Baylor in Peru                                    | Dr. Clay Butler                             |
| Baylor in Tuscany                                 | Dr. Tiziano Cherubini                       |
| Baylor Nursing in Great Britain                   | Dr. Lyn Prater                              |
| European Business Seminar                         | Dr. Richard Easley                          |
| Apparel Studies European Tour                     | Dr. Lorynn Divita                           |
| Global Health in Africa                           | Dr. Lori Spies, Dr. Beth Lanning            |
| Health Sciences in Costa Rica                     | Dr. Tricia Blalock, Dr. Kim Smith           |
| Interior Design Study Abroad                      | Prof. Ann Theriot                           |

**Current semester or year-long exchange and study abroad programs include the following:**

| Country   | Institution                                   | Faculty          |
|-----------|---|------------------|
| Argentina | Universidad Nacional de Cuyo                  | Dr. Joan Supplee |
| Australia | University of Sydney                          | CGE Staff        |
| Austria   | Karl Franzens Universität Graz (MAUI-UTRECHT) | CGE Staff        |
| Belgium   | Universiteit Antwerpen (MAUI-UTRECHT)         | CGE Staff        |
| China     | Tsinghua University                           | Dr. Xin Wang     |
| China     | Hong Kong Baptist University                  | McBride Center   |
| China     | Chinese University of Hong Kong               | CGE Staff        |

|                |   |                     |
|----------------|---|---------------------|
| Czech Republic | Masaryk Univerzita (MAUI-UTRECHT)                   | CGE Staff           |
| Czech Republic | Anglo American University Prague (CEA)              | CGE Staff           |
| Denmark        | Aarhus Universitet (MAUI-UTRECHT)                   | CGE Staff           |
| England        | Baylor in London/FIE                                | CGE Staff           |
| England        | Coventry University                                 | CGE Staff           |
| England        | Regent's University                                 | CGE Staff           |
| England        | Scholar's Semester in Oxford                        | Dr. Jeff Fish       |
| England        | University of East Anglia                           | CGE Staff           |
| England        | Oriel College                                       | CGE Staff           |
| England        | University of Birmingham                            | CGE Staff           |
| England        | University of Hull (MAUI-UTRECHT)                   | CGE Staff           |
| Estonia        | University of Tartu                                 | CGE Staff           |
| France         | The American University of Paris                    | CGE Staff           |
| France         | C.U.P.A. (Center for Undergraduate Programs)        | Dr. David Uber      |
| France         | IAU College-Aix-en-Provence                         | CGE Staff           |
| France         | Paris School of Business (PSB)                      | CGE Staff           |
| France         | Universite de Caen                                  | Dr. Theresa Kennedy |
| France         | Universite de Strasbourg (MAUI-UTRECHT)             | CGE Staff           |
| Germany        | Albert-Ludwigs University in Freiburg               | Dr. Ann McGlashan   |
| Germany        | "Universität Leipzig" (MAUI-UTRECHT)                | CGE Staff           |
| Germany        | Berlin Global Institute                             | CGE Staff           |
| Germany        | Ruhr Universität Bochum (MAUI-UTRECHT)              | CGE Staff           |
| Germany        | Otto Beisheim School of Mgt. (WHU)                  | McBride Center      |
| Greece         | University of Thessaloniki (MAUI-UTRECHT)           | CGE Staff           |
| Ireland        | National University of Ireland, Cork (MAUI-UTRECHT) | CGE Staff           |
| Ireland        | University College Dublin                           | CGE Staff           |
| Israel         | Tel Aviv University                                 | CGE Staff           |
| Italy          | Florence University of the Arts                     | CGE Staff           |
| Italy          | John Cabot University Rome                          | CGE Staff           |
| Italy          | Siena Italian Studies                               | CGE Staff           |
| Italy          | Università di Bologna (MAUI-UTRECHT)                | CGE Staff           |
| Japan          | Hosei University                                    | Dr. Yuko Prefume    |
| Japan          | Seinan Gakuin University                            | CGE Staff           |
| Japan          | Tohoku University                                   | Yuko Prefume        |
| Latvia         | University of Latvia (MAUI-UTRECHT)                 | CGE Staff           |
| Lithuania      | Vilnius University (MAUI-UTRECHT)                   | CGE Staff           |

|                 |   |                           |
|-----------------|---|---------------------------|
| Malta           | University of Malta (MAUI-UTRECHT)                | CGE Staff                 |
| Mexico          | Monterrey Tech (ITESM) Queretaro                  | Dr. Lizbeth Souza-Fuertes |
| Morocco         | Al Akhawayn University                            | CGE Staff                 |
| The Netherlands | Baylor in Maastricht                              | CGE Staff                 |
| The Netherlands | University of Utrecht (MAUI-UTRECHT)              | CGE Staff                 |
| The Netherlands | Utrecht School of the Arts (MAUI-UTRECHT)         | CGE Staff                 |
| Norway          | University of Bergen (MAUI-UTRECHT)               | CGE Staff                 |
| Peru            | Pontificia Universidad Catolica                   | Dr. Lizbeth Souza-Fuertes |
| Poland          | Jagiellonian University in Krakow (MAUI-UTRECHT)  | CGE Staff                 |
| Portugal        | Universidade de Coimbra (MAUI-UTRECHT)            | CGE Staff                 |
| Romania         | Alexandru Ioan Cuza University (MAUI-UTRECHT)     | CGE Staff                 |
| Scotland        | Baylor in St. Andrews                             | CGE Staff                 |
| Scotland        | University of Edinburgh                           | CGE Staff                 |
| Slovakia        | University of Comenius, Bratislava (MAUI-UTRECHT) | CGE Staff                 |
| Slovenia        | Univerza Ljubljana (MAUI-UTRECHT)                 | CGE Staff                 |
| South Africa    | Rhodes University, Grahamstown                    | CGE Staff                 |
| South Korea     | Yonsei University                                 | CGE Staff                 |
| Spain           | Universidad of Cantabria                          | CGE Staff                 |
| Spain           | St. Louis University Madrid                       | CGE Staff                 |
| Switzerland     | Universitat Basel (MAUI-UTRECHT)                  | CGE Staff                 |
| Turkey          | Bogazici University (inactive)                    | Dr. Scott Moore           |

Information and brochures are available from the Program Directors, and Exchange Program/Study Abroad Advisor, 254-710-4824, or on the website: <https://bearsabroad.baylor.edu/>.

## Academic Resources

### University Libraries

#### Mission Statement

The mission of the Baylor University Libraries is to support excellence in teaching and learning, enhance research and discovery, and foster scholarship and success by providing academic life centers, scholarly resources, and technological innovation.

The Libraries will accomplish the mission by:

- Developing and implementing appropriate strategies to support student success
- Providing an infrastructure that effectively supports the academic mission of Baylor University

- Building, preserving and providing access to collections, especially those unique to Baylor University
- Developing partnerships and enhancing relationships locally, regionally and nationally to promote the reputation of the Libraries and the university, and ensuring effective resource management
- Highlighting collections, services and facilities through strategic engagement
- Sustaining and promoting a culture of efficient and effective administrative practices

### Moody Memorial Library and Jesse H. Jones Library

Moody Memorial Library and Jesse H. Jones Library, or the "Central Libraries," together are the main research library for the university. Located at the end of Fountain Mall on South Third Street, these adjoining libraries house over 2.5 million volumes, including rare materials, and over 140,000 media items for undergraduate, graduate and faculty research. The Libraries provide access to thousands of electronic resources including e-books, online journals and databases covering a wide range of research areas. Subject specialist liaison librarians and staff are available to provide research assistance. Students heavily utilize the library as a place for individual and group study. The Moody Garden Level Study Commons, the Prichard Family Information Commons and Allbritton Foyer are popular study areas open 24 hours/day, from 1 p.m. Sunday to 11 p.m. Friday during the fall and spring semesters. The Moody Foyer is also home to a Starbucks.

For more information on the Central Libraries, visit [www.baylor.edu/library/](http://www.baylor.edu/library/) (<http://www.baylor.edu/library/>).

### Electronic Library

The Electronic Library provides services and resources to assist the Baylor academic community with technology-based tools for teaching, learning and research. Faculty and staff in the Electronic Library support the use of electronic information resources within the library system, including online databases, digital materials, electronic tools for scholarship, and technology-enhanced learning. The Electronic Library also supports technology for teaching and learning by providing resources for classroom technology, faculty development and support, student computing services, web-based course materials and research computing. By combining the roles of the librarian and the academic technology professional, the Electronic Library is able to support the innovative use of technology to access a wide range of electronic and digital resources for scholarship.

For additional information, visit [www.baylor.edu/library/el/](http://www.baylor.edu/library/el/) (<https://www.baylor.edu/library/>).

### Armstrong Browning Library

A world-renowned special collection focusing on the lives and works of the 19th-century British poets, Robert and Elizabeth Barrett Browning, this library houses the largest collection of their letters, manuscripts and other primary materials in existence. *The Brownings: A Research Guide* ([www.browningguide.org](http://www.browningguide.org) (<http://www.browningguide.org>)), an online database created by the library, facilitates the study of the Brownings and their circle. In recent years the collection has broadened its scope and presently serves students and scholars researching many aspects of the Victorian period. All library materials are used in the Belew Scholars' Room located on the third floor, where staff members are available to assist patrons. The building itself contains magnificent architectural features and attracts thousands of visitors each year. For a quiet and concentrated study atmosphere reminiscent of a college library at

Oxford or Cambridge, Baylor students are encouraged to use the John Leddy-Jones Research Hall on the second floor from 9 a.m. to 5 p.m. on weekdays and 10 a.m. to 2 p.m. on Saturdays. The inspirational McLean Foyer of Meditation is available during the same hours; and the Garden of Contentment can be enjoyed at any time.

For additional information, visit [www.baylor.edu/library/abl/](http://www.baylor.edu/library/abl/) (<https://www.baylor.edu/library/?id=973825>).

## The Keston Center for Religion, Politics, and Society

The Keston Institute was officially formed in the United Kingdom in 1969 under the direction of Michael Bourdeaux to document the fight for religious freedom by believers living under communism in Eastern Europe and the former Soviet Union. The archive and library provided the core of Keston's operations and contained unique items on religions and Christian denominations, including the stories of individuals and their witness.

In 2007, the Keston Institute passed the care of its archive and library to the newly-formed Keston Center for Religion, Politics, and Society at Baylor. As part of the University Libraries, the Keston Center works with the Keston Institute in Oxford in carrying out its mission to promote research, teaching, and understanding of religion and politics in communist, post-communist, and other totalitarian societies and the relationship between religion and Marxism.

Housed on the third floor of the Carroll Library, Keston materials are available for use in the Michael Bourdeaux Reading Room. For additional information, visit [www.baylor.edu/kestoncenter/](http://www.baylor.edu/kestoncenter/) (<http://www.baylor.edu/kestoncenter/>).

## The Texas Collection

Founded in 1923, The Texas Collection is a research center consisting of extensive printed materials and archives. Its holdings include books, periodicals, vertical files, maps, historical manuscripts, photographs, newspapers, Baylor University archives and other Texana-related materials. It is also a depository for Texas state documents, county microfilm records, oral memoirs and most graduate theses and dissertations completed at Baylor. These materials cover all aspects of life in Texas and provide opportunities for in-depth research by graduate and undergraduate students as well as faculty members and scholars from throughout Texas and the world. The Texas Collection is located in Carroll Library on the Burleson Quadrangle and is an excellent library for quiet study and research.

For more information visit [www.baylor.edu/library/texas/](http://www.baylor.edu/library/texas/) (<http://www.baylor.edu/library/texas/>).

## Baylor Collections of Political Materials

The materials in this collection, which focus on national and Texas politics, include the papers of former members of the United States Congress, the Texas Legislature, judges and other officials. The library houses materials about Texas politicians and provides an important resource for research by social and political scientists of both national and state-level political history and activities. The Baylor Collections of Political Materials is located in the W. R. Poage Legislative Library building.

For more information, visit [www.baylor.edu/library/poage/](http://www.baylor.edu/library/poage/) (<http://www.baylor.edu/library/poage/>).

## Baylor University Press

The Baylor University Press, in conjunction with the University Press Committee, is responsible for publishing academic research, thus advancing knowledge to scholars beyond campus boundaries. The office oversees all acquisitions, editing, production, and marketing activities.

## Mayborn Museum Complex

The Sue & Frank Mayborn Natural Science and Cultural History Museum Complex at Baylor University includes the Harry & Anna Jeanes Discovery Center, the Gov. Bill & Vara Daniel Historic Village, and the Strecker Museum Collection. The Mayborn Museum Complex brings together in one location the resources of hands-on discovery rooms and interactive natural science and cultural history galleries, including outdoor exhibits. This unusually rich combination provides a wide spectrum of engaging learning opportunities for all types of learners and visitors of all ages. The exhibits and education programs encourage families to learn together as they make choices and design their own museum experience. The multifaceted Museum Complex also serves as a learning laboratory for Baylor University students in the Department of Museum Studies, as well as many other disciplines across campus.

## Interdisciplinary Programs

### Pre-Law

Pre-Law at Baylor University is not a major, but instead consists of two academic designations, 'Pre-Law' and 'Pre-Law Interest.' There are no course prerequisites for attending law school. Rather, experts recommend that Pre-Law students maximize their education by taking the most rigorous and demanding classes possible. Students planning to attend law school should select a major that reflects their interests and aptitude. Pre-Law students thrive in many of Baylor's diverse academic programs but should carefully choose courses that will prepare them for law school success. A well-rounded Pre-Law curriculum will include courses that require substantial writing, under close scrutiny, the development of analytical reasoning skills, reading comprehension and oral expression, and courses relevant to a student's specific legal interests. Pre-Law students may want to consider adding a minor in Legal Reasoning and Analysis (see College of Arts & Sciences-Multidisciplinary Programs). Although not required for law school, this minor is designed to ensure optimal preparation for the academic rigors of law school.

Baylor Pre-Law helps students navigate this interdisciplinary preparation. The function of the Pre-Law program is to help students from all academic majors to explore the possibility of attending law school, move through the application process, and prepare for success in law school, and the legal profession. One-on-one professional advising is available to help Pre-Law students begin to prepare for law school. All designated students have access to the program's resources from the time they enter as freshmen. Regular workshops and speakers, connections with lawyer-alumni, and internship opportunities enable Pre-Law students to gain a realistic understanding of the legal profession, and to begin to develop the skills they need to succeed as future lawyers.

All students may add the 'Pre-Law' designation prior to the completion of 24 residential credit hours, at Baylor. Following the completion of the required 24 credit hours, students must hold, and maintain, a minimum cumulative GPA of 3.2. Those who do not meet this minimum GPA requirement cannot add, or retain, the Pre-Law designation beyond the completion of those initial 24 credit hours. However, they may choose the alternative 'Pre-Law Interest' designation, which does not require a minimum GPA and can be added at any stage of a student's

undergraduate studies, regardless of their cumulative GPA. Exceptions are made only in rare circumstances, and at the discretion of the Pre-Law Program Manager.

Students should note that regardless of their designation as either 'Pre-Law' or 'Pre-Law Interest,' they will have full access to the services and resources of the Pre-Law program. However, students who do not meet the academic requirements are encouraged to meet with the Pre-Law Program Manager to discuss their goals and how to improve their academic performance. The minimum GPA required for the 'Pre-Law' designation (3.2) will be assessed at the conclusion of each spring semester, allowing students who fall below the requirement at the end of the fall semester to retain the designation until the end of the spring, allowing them the chance to bring their cumulative GPA back up to the required 3.2.

More information about the services Baylor Pre-Law offers can be found at <http://www.baylor.edu/prelaw> (<http://www.baylor.edu/prelaw/>) or by contacting the Pre-Law Manager.

The adoption of either the 'Pre-Law' or 'Pre-Law Interest' designations does not restrict a student's career options in any way and as such, all students who are considering careers in the legal profession should add the full Pre-Law designation to their student records upon arriving at Baylor. Adding either the 'Pre-Law' or 'Pre-Law Interest' designations gives students access to Baylor Pre-Law emails and events and other Baylor Pre-Law resources. Students wishing to add or delete the Pre-Law designation on their student records should contact the Pre-Law Program Manager, or their academic advisor.

## Special Appointment

Certain broadly interdisciplinary courses which are available for elective credit for various degree programs are offered under the heading of University Studies.

## Courses of Instruction

### Prefixes for Courses of Instruction

| Subject                          | Prefix |
|----------------------------------|--------|
| Accounting                       | (ACC)  |
| Aerospace Studies                | (AS)   |
| Air Pilot                        | (AIRP) |
| American Studies                 | (AMS)  |
| Anthropology                     | (ANT)  |
| Apparel Design and Merchandising | (ADM)  |
| Arabic                           | (ARB)  |
| Aramaic                          | (ARA)  |
| Archaeology                      | (ARC)  |
| Art                              | (ART)  |
| Art History                      | (ARTH) |
| Asian Studies                    | (AST)  |
| Aviation Management              | (AVIM) |
| Aviation Sciences                | (AVS)  |
| Baylor Interdisciplinary Core    | (BIC)  |
| Bioinformatics                   | (BINF) |
| Biology                          | (BIO)  |
| Biomedical Engineering           | (BME)  |
| Business                         | (BUS)  |

|                                      |        |
|--------------------------------------|--------|
| Business Law                         | (BL)   |
| Chapel                               | (CHA)  |
| Chemistry                            | (CHE)  |
| Child and Family Studies             | (CFS)  |
| Chinese                              | (CHI)  |
| Classics                             | (CLA)  |
| Communication Sciences and Disorders | (CSD)  |
| Communication                        | (CSS)  |
| Computer Science                     | (CSI)  |
| Computer Science Fellows             | (CSF)  |
| Curriculum and Instruction           | (EDC)  |
| Data Science                         | (DSC)  |
| Economics                            | (ECO)  |
| Education                            | (EDU)  |
| Educational Leadership               | (EDL)  |
| Educational Psychology               | (EDP)  |
| Electrical and Computer Engineering  | (ELC)  |
| Engineering                          | (EGR)  |
| Engineering and Computer Science     | (ECS)  |
| English                              | (ENG)  |
| Entrepreneurship                     | (ENT)  |
| Environmental Science                | (ENV)  |
| Family and Consumer Sciences         | (FCS)  |
| Film Digital Media                   | (FDM)  |
| Finance                              | (FIN)  |
| First Year Seminar                   | (FYS)  |
| Forensic Science                     | (FORS) |
| French                               | (FRE)  |
| Freshman Academic Seminar            | (FAS)  |
| Geography                            | (GEOG) |
| Geology                              | (GEO)  |
| German                               | (GER)  |
| Gerontology                          | (GRT)  |
| Global Engagement                    | (GBL)  |
| Great Texts                          | (GTX)  |
| Greek                                | (GRK)  |
| Health Education                     | (HED)  |
| Hebrew                               | (HEB)  |
| History                              | (HIS)  |
| Honors                               | (HON)  |
| Human Performance                    | (HP)   |
| Human Science & Design               | (HSD)  |
| Integrated Science                   | (ISCI) |
| Interior Design                      | (ID)   |
| International Business               | (INB)  |
| Italian                              | (ITA)  |
| Japanese                             | (JPN)  |
| Journalism                           | (JOU)  |
| Korean                               | (KOR)  |
| Latin                                | (LAT)  |
| Latin American Studies               | (LAS)  |
| Leadership Development               | (LDS)  |



|                                  |        |
|----------------------------------|--------|
| Library Science                  | (LS)   |
| Lifetime Fitness                 | (LF)   |
| Linguistics                      | (LING) |
| Management                       | (MGT)  |
| Management Information Systems   | (MIS)  |
| Marketing                        | (MKT)  |
| Mathematics                      | (MTH)  |
| Mechanical Engineering           | (ME)   |
| Medical Humanities               | (MH)   |
| Middle East Studies              | (MES)  |
| Military Science                 | (MILS) |
| Modern Languages and Cultures    | (MLC)  |
| Museum Studies                   | (MST)  |
| Music Ensembles                  | (MUEN) |
| Music                            | (MUS)  |
| Neuroscience                     | (NSC)  |
| Nursing                          | (NUR)  |
| Nutrition                        | (NUTR) |
| Philanthropy and Public Service  | (PPS)  |
| Philosophy                       | (PHI)  |
| Physics                          | (PHY)  |
| Political Science                | (PSC)  |
| Portuguese                       | (POR)  |
| Pre-Health Professions           | (PHP)  |
| Professional Writing & Rhetoric  | (PWR)  |
| Psychology                       | (PSY)  |
| Public Health                    | (PUBH) |
| Quantitative Business Analysis   | (QBA)  |
| Recreation and Leisure Services  | (RLS)  |
| Religion                         | (REL)  |
| Russian                          | (RUS)  |
| Sanskrit                         | (SAN)  |
| Science Research Fellows         | (SRF)  |
| Slavic and East European Studies | (SEES) |
| Social Innovation Collaborative  | (SIC)  |
| Social Work                      | (SWO)  |
| Sociology                        | (SOC)  |
| Spanish                          | (SPA)  |
| Statistics                       | (STA)  |
| Strategic Learning               | (STL)  |
| Swahili                          | (SWA)  |
| Syriac                           | (SYR)  |
| Teacher Education                | (TED)  |
| Theater Arts                     | (THEA) |
| University Scholars              | (UNSC) |
| University Studies               | (UST)  |
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**Accounting (ACC)****ACC 2301 Survey of Accounting (3)**

Pre-requisite(s): Sophomore or upper-level standing; a minimum GPA of 2.75; not open to BBA students or other students who have taken ACC 2303

An introduction to accounting for non-business majors that follows the business cycle of a start-up company. Topics include researching a company, financing operations, planning and budgeting, and the basic accounting cycle.

**ACC 2303 Financial Accounting (3)**

Pre-requisite(s): Cumulative GPA of 3.0 or higher; Only open to BBA students

An introduction to corporate financial statements, their preparation, and their use in decision making by persons outside the organization. The course focuses on analyzing business transactions to chart their effects on the results of operations, the cash flows, and the financial position of businesses organized for profit.

**ACC 2304 Managerial Accounting (3)**

Pre-requisite(s): Cumulative GPA of 3.0 or higher

A minimum grade of C in ACC 2303. Only open to BBA students. An introduction to principles of managerial accounting. Emphasis is given to the development and use of accounting information to support managerial decision-making processes in manufacturing, service, and not-for-profit settings. Topics include managerial concepts and systems, various analyses for decision making, and planning and control.

**ACC 3101 Accounting Career Management Seminar (1)**

Pre-requisite(s): BUS 1101 and 2101

The course provides career exploration and development experiences designed for accounting majors in the first semester of the accounting core. It assists you in self-assessment, increasing personal marketability, choosing your career concentration focus, and developing various "soft skills" desired by hiring employers. The course offers unique professional development activities. Credit may not be received after receiving credit in BUS 3101.

**ACC 3301 Financial Accounting and Reporting I (3)**

Co-requisite(s): ACC 3303

Pre-requisite(s): ACC 2303 and 2304 with a B average; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An examination of financial accounting considerations of business transactions. Emphasis is placed on understanding the accounting cycle, the conceptual framework underlying financial accounting, and recognition, measurement and reporting of receivables, inventories, property, plant and equipment, intangibles, liabilities, and stockholders' equity.

**ACC 3302 Financial Accounting and Reporting II (3)**

Co-requisite(s): ACC 3304

Pre-requisite(s): ACC 3301 and 3303 with minimum grade of C or better in each course; only open to accounting majors

A continuation course to ACC 3301, examining financial accounting considerations of business transactions. Emphasis is placed on understanding the recognition, measurement, and reporting of revenue, earnings per share, deferred taxes, pensions, and leases.

**ACC 3303 Accounting Information Systems (3)**

Co-requisite(s): ACC 3301

Pre-requisite(s): ACC 2303 and 2304 with a B average; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An in-depth study of the application of information systems knowledge to the accounting environment. Emphasis is upon developing students' abilities to understand the processing of accounting data (with an emphasis on the computer environment) and the controls that are necessary to assure accuracy and reliability of the data processed by the accounting system.

**ACC 3304 Introduction to Federal Taxation (3)**

Co-requisite(s): ACC 3302

Pre-requisite(s): ACC 3301 and 3303 with minimum grade of C or better in each course; only open to accounting majors

An examination of the economic theory on which the United States taxation system is based and the legal principles surrounding income taxation.

**ACC 3305 Intermediate Accounting I (3)**

Pre-requisite(s): A minimum grade of C in ACC 2304; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

(Not open to accounting majors.) The first of two courses for non-accounting majors covering financial accounting concepts and practices applicable to business enterprises organized for profit. Topics include the accounting cycle, the conceptual framework underlying financial accounting, measurement and reporting issues relating to receivables, inventories, intangible assets, property and equipment, and an overview of the income statement and balance sheet. May not be taken after credit received for ACC 3301.

**ACC 3306 Intermediate Accounting II (3)**

Pre-requisite(s): ACC 3301 or 3305

(Not open to accounting majors). A continuation of ACC 3305 for non-accounting majors, focusing on current liabilities, long-term debt, investments, stockholders' equity, and the statement of cash flows. Coverage includes accounting issues related to pensions, leases, deferred income taxes, earnings per share, accounting changes, and error analysis. May not be taken after credit received for ACC 3302.

**ACC 3310 Accounting Research and Communication (3)**

Co-requisite(s):

Pre-requisite(s): ACC 3301 and 3303 with minimum grade of C or better; only open to accounting majors

Use of primary sources of authoritative literature in resolving complex, professionally-oriented problems, primarily in financial accounting and taxation. Development of critical thinking and written and oral communication skills through applied research cases.

**ACC 3331 Control and Audit of Information Systems (3)**

Cross-listed as MIS 3332

See MIS 3332 for course information.

**ACC 4308 Advanced Managerial Accounting (3)**

Co-requisite(s): ACC 4330

Pre-requisite(s): ACC 3302 and 3304 with a grade of C or better; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Advanced study of managerial accounting and its use in both internal and external reporting, with an emphasis on managerial decision making. Course topics include various costing systems, cost-volume-profit analysis and the contribution approach to decision making, budgeting, and other managerial topics for planning and control.

**ACC 4310 Energy Accounting and Law (3)**

Pre-requisite(s): Recommended ACC 2303 and 2304

This course provides an overview of the oil and gas industry with respect to the accounting, tax, and legal functions of an organization. This includes the introduction of general terminology, history, and technical advances in the oil and gas industry as well as detailed analyses of industry specific accounting methods, cost recovery systems as well as financing and organizational structure trends in the industry.

**ACC 4320 Not-for-Profit and Governmental Accounting (3)**

Pre-requisite(s): ACC 4308 and 4330 with a grade of C or better in each course

(Not open to pre-business students). Examination of accounting, financial reporting, and budgeting for state and local governments, the federal government, and not-for-profit entities.

**ACC 4330 Auditing, Attestation and Assurance Services (3)**

Co-requisite(s): ACC 4308

Pre-requisite(s): ACC 3302 and 3304 with a grade of C or better; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of the processes conducted by independent, internal, and governmental accountants to audit, attest, and provide assurance services on information provided by management. Theoretical concepts of materiality, audit risk, and evidential matter are explored, along with the auditor's understanding of controls in a sophisticated technological environment. The application of these concepts in a way that develops critical thinking and communications skills is emphasized.

**ACC 4340 Advanced Accounting (3)**

Pre-requisite(s): ACC 3302 and ACC 3304 with a grade of C or better in each course

(Not open to pre-business students.) A study of partnership accounting practices and the techniques followed to consolidate the financial statements of parent and subsidiary companies. Attention is also given to the distinctive accounting procedures associated with governmental and not-for-profit accounting.

**ACC 4350 Business and Professional Ethics for Accountants (3)**

Co-requisite(s):

Pre-requisite(s): ACC 3302 and 3304 with a grade of C or better; not open to pre-business students

Examination of moral and ethical issues within the accounting profession and the broader business environment. In addition to a broad study of ethical behavior and decision making, various professional codes of conduct within the accounting profession will be examined. Central to this examination will be the discussion of integrity, independence and objectivity, as well as accountants' legal liability.

**ACC 4377 Personal and Business Tax Planning (3)**

Pre-requisite(s): A minimum grade of C in ACC 2304; only open to BBA students; BBA students must be admitted to the Business School in order to take this course; not open to accounting majors

Basic tax concepts and principles. Extensive discussion of an individual's income deductions as well as family tax planning issues. Examination of the effect of taxes on business decisions, including a study of the various forms of businesses. Coverage also includes taxation of employee benefits, business expenses, and gift, estate, and trust taxation. Limited tax return preparation. May not be taken after credit received for ACC 3304.

**ACC 4378 International Accounting (3)**

Cross-listed as INB 4378

Pre-requisite(s): A minimum grade of C in ACC 2303 and 2304; not open to pre-business students

Examination of international accounting within the context of managing multinational enterprises (MNEs). The course will address accounting issues in the context of different countries. Exploration of the factors that influence accounting standards and practices and how those factors impact the harmonization of worldwide standards.

**ACC 4396 Internship in Accounting (3)**

Pre-requisite(s): ACC 3302 and 3304 with a grade of C or better in each course and consent of director of accounting internships; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Supervised work, full-time, for a minimum of eight consecutive weeks with duties consistent with those of beginning accounting graduates.

**ACC 4V98 Special Studies in Accounting (1-6)**

Pre-requisite(s): Consent of instructor; not open to pre-business students

Individualized research in accounting. Student's proposals for special study project must be approved by the supervising faculty member. Offered on demand and by consent of the advisor for one to six semester hours. May be repeated several times under different topics.

## Aerospace Studies (AS)

**AS 1101 Heritage and Values I (1)**

Co-requisite(s): AS 1111

Introduces students to the United States Air Force and provides an overview of its basic characteristics, missions, and organization.

**AS 1102 Heritage and Values II (1)**

Co-requisite(s): AS 1112

Continuation of AS 1101.

**AS 1111 Leadership Laboratory (1)**

Co-requisite(s): AS 1101

A study of Air Force customs and courtesies, drill and ceremonies, career opportunities in the Air Force and the life and work of an Air Force officer. An extensive physical fitness program is taught, reinforced and evaluated. Students under contract must pass a physical fitness test each term. Field trips to Air Force installations are usually included.

**AS 1112 Leadership Laboratory (1)**

Co-requisite(s): AS 1102

A continuation of AS 1111.

**AS 2103 Team and Leadership Fundamentals I (1)**

Co-requisite(s): AS 2111

Provides a fundamental understanding of leadership and team building in the United States Air Force, including leadership, followership, effective communication, problem-solving, and self-assessment.

**AS 2104 Team and Leadership Fundamentals II (1)**

Co-requisite(s): AS 2112

A continuation of AS 2103.

**AS 2111 Leadership Laboratory (1)**

Co-requisite(s): AS 2103

A continuation of AS 1112.

**AS 2112 Leadership Laboratory (1)**

Co-requisite(s): AS 2104

A continuation of AS 2111.

**AS 3111 Leadership Laboratory (1)**

Co-requisite(s): AS 3301

A continuation of AS 2112.

**AS 3112 Leadership Laboratory (1)**

Co-requisite(s): AS 3302

A continuation of AS 3111.

**AS 3301 Leading People and Communicating Effectively I (3)**

Co-requisite(s): AS 3111

Utilization of cadets' field training experience to take a more in-depth look at leadership, with special emphasis on enhancing communication skills and their importance for a leader. Cadets practice leadership and management techniques in a supervised environment.

**AS 3302 Leading People and Communicating Effectively II (3)**

Co-requisite(s): AS 3112

A continuation of AS 3301.

**AS 4111 Leadership Laboratory (1)**

Co-requisite(s): AS 4301

A continuation of AS 3112.

**AS 4112 Leadership Laboratory (1)**

Co-requisite(s): AS 4302

A continuation of AS 4111.

**AS 4301 National Security (3)**

Co-requisite(s): AS 4111

Pre-requisite(s): Upper-level standing or consent of instructor

Gives college seniors the foundation to understand their role as military officers and how they are directly tied to our National Security Strategy. Overview of the complex social and political issues facing the military profession.

**AS 4302 Preparation for Commissioning (3)**

Co-requisite(s): AS 4112

A continuation of AS 4301.

## American Studies (AMS)

**AMS 4385 Seminar in American Studies (3)**

Pre-requisite(s): Senior standing or consent of program director

Studies the theory and practice of American Studies, presents students with the opportunity to analyze written and visual texts, and requires a major paper. Through written work and oral presentations, the course gives students a broad perspective on the American culture.

## Anthropology (ANT)

**ANT 1305 Introduction to Anthropology (3)**

A survey of human past and present physical and cultural diversity. The student is introduced to cultural anthropology, physical anthropology, archaeology, and linguistics, which provide a basis for understanding cultural diversity both within the U.S.A. and abroad.

**ANT 1306 Cultural Anthropology in Global Context (3)**

An introduction to global cultures with emphasis on socio-economic arrangements, religious beliefs, and responses of indigenous groups to modernization.

**ANT 1307 The Evolution of Human Societies: An Interdisciplinary Perspective (3)**

Explores the big-picture questions of how and why human societies evolved the way that they did and what factors contributed to the distinct trajectories in which those societies developed, and equally, those issues that contributed to their decline.

**ANT 1310 Cultural Geography (3)**

Cross-listed as GEOG 1310

An introductory course in human or cultural geography. Topics include geographical concepts and factors; systematic and regional approaches; geographic tools and techniques, stressing spatial interactions; reciprocal relations between peoples and geographical environments; geographical graphics; major earth regions and their interrelations.

**ANT 1325 Introduction to Global Health (3)**

An introduction to global health and illness from a cross-cultural and cross-border perspective.

**ANT 1360 Religion, Magic and Witchcraft (3)**

Cross-cultural variability in beliefs and practices related to the supernatural, including theories about social, psychological, and ecological functions.

**ANT 1404 Introduction to Human Evolution (4)**

An introduction to the study of humans as biological organisms.

Emphasis on evolutionary theory and natural selection as driving forces in human evolutionary history.

**ANT 1407 Introduction to Archaeology (4)**

A survey of archaeology, including the nature of archaeology, what archaeologists do, and major milestones in human cultural evolution.

**ANT 1V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ANT 2302 The Emergence of World Civilizations (3)**

Cross-listed as ARC 2302

See ARC 2302 for course information.

**ANT 2304 Introduction to Biological Anthropology (3)**

A survey of the sub-field of biological anthropology, including anthropological genetics, primatology, paleoanthropology, human ecology, and bioarchaeology.

**ANT 2V9R Research (3)**

Pre-requisite(s): Consent of instructor

. Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ANT 3301 Science, Society, and Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Anthropological perspectives on controversial issues in the history of scientific thought as conveyed through original texts, popular films, and cultural critique.

**ANT 3307 Historical Archaeology (3)**

Cross-listed as ARC 3307

See ARC 3307 for course information.

**ANT 3308 Methods of Archaeology (3)**

Pre-requisite(s): Upper level standing or consent of instructor

Methods in contemporary archaeology.



**ANT 3310 Introduction to Linguistics (3)**

Cross-listed as ANT 4300, ENG 3310, ENG 4300, LING 3310

See ENG 3310 for course information.

**ANT 3320 Environment and Human Behavior (3)**

Cross-listed as ENV 3320

Pre-requisite(s): Upper-level standing or consent of instructor

Interrelationships between cultural and ecological systems, with focus on food production, economic exchange, and religious beliefs.

**ANT 3331 Human Osteology (3)**

Cross-listed as FORS 3331

Pre-requisite(s): Upper-level standing or consent of instructor

The detailed examination of the elements of the human skeleton, with an emphasis on identifying and siding individual bones and their bony structures.

**ANT 3340 Indigenous Cultures of Modern Mexico and Central America (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The cultural history of the indigenous peoples of central Mexico, including their adaptation to, and conflict with, forces of modernity.

**ANT 3350 Native North Americans (3)**

A study of the natives of North America including prehistory, cultural development, and contemporary relationships with other cultural ethnic groups.

**ANT 3351 Ancient Civilizations of Mesoamerica (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The emergence and evolution of Meso-American civilizations in Mexico and Central America. Focus on Olmecs and Teotihuacan, as well as the Toltecs, Mayas, and Aztecs.

**ANT 3375 Ethnographic Methods (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The multiple ethnographic methods used in cultural anthropological field research.

**ANT 3394 Forensic DNA Analysis (3)**

Cross-listed as FORS 3394

See FORS 3394 for course information.

**ANT 3399 Archaeology of Texas (3)**

Pre-requisite(s): Upper-level standing

Texas prehistory, from the first inhabitants to the arrival of the Europeans. Chronology, theoretical approaches, and regional developments in North America affecting the cultures of the prehistoric peoples of Texas.

**ANT 3402 Social Statistics (4)**

Cross-listed as SOC 3402

See SOC 3402 for course information.

**ANT 3V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ANT 4199 Senior Thesis I (1)**

Pre-requisite(s): Senior standing in anthropology major

Thesis project planning, including topic identification, literature review, bibliography compilation, and thesis proposal.

**ANT 4299 Senior Thesis II (2)**

Pre-requisite(s): Senior standing in anthropology major

Primary data collection, processing, and analysis, culminating in the thesis.

**ANT 4302 Archaeological Theory (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Use of archaeological data in reconstruction of past human cultural systems, with an emphasis on the role of archaeological theory in the process of interpretation.

**ANT 4305 Anthropological Theory (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Theoretical approaches to modern-day anthropology, with emphasis on political economy, Marxism, hermeneutics, ecology, and feminism.

**ANT 4306 Economic Anthropology (3)**

Cross-listed as ENV 4306

Pre-requisite(s): ANT 2305 or consent of instructor

Traditional food production systems worldwide are compared to patterns in modern capitalist societies.

**ANT 4310 Societies and Cultures of East Asia (3)**

Cross-listed as AST 4310

Cultural traits and social structures of China, Korea, and Japan in the context of their development from the traditional to the modern. Special attention on Japanese society in comparison with American society.

**ANT 4311 World Food Problems (3)**

Cross-listed as ENV 4310

See course information for ENV 4310.

**ANT 4312 Societies and Cultures of Africa (3)**

Current social issues and policies in the light of historical and cultural foundations of selected African countries.

**ANT 4314 Human Biological Variation (3)**

Pre-requisite(s): Upper level standing or consent of instructor

Mechanisms that contribute to biological diversity between and among human populations.

**ANT 4320 Culture, Personality and Identity (3)**

Cross-listed as SOC 4320

Pre-requisite(s): Upper-level standing or consent of instructor

A thorough investigation of the relationship between the individual and culture/society, with emphasis on the "culture and personality" school of contemporary humanistic social science.

**ANT 4321 Climate Anthropology (3)**

Cross-listed as ENV 4322

Pre-requisite(s): Upper-level standing or consent of instructor

An introduction to the causes and effects of climate change as it relates to people and power, ethics and morals, environmental costs and justice, and cultural and spiritual survival.

**ANT 4325 Medical Anthropology (3)**

Biological and sociocultural aspects of human health, disease, development, aging, and health care. Especially emphasized are the developmental, holistic, and cross-cultural perspectives on disease and the life cycle.

**ANT 4327 Human Catastrophe and Cultural Response (3)**

Cross-listed as ENV 4327

Impact of major catastrophes on human society with emphasis on coping strategies and the utility of disaster theory to help in the recovery process. Issues include disaster, toxic disaster, famine, epidemic, war and natural oppression.

**ANT 4330 Epidemiology (3)**

Pre-requisite(s): Some facility with quantitative methods, preferably with elementary knowledge of statistics

Epidemiological concepts and skills pertinent to the understanding of diseases. Assessment of cultural, ecological, environmental, occupational, and behavioral factors.

**ANT 4331 Global Health Ethics (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Focus on the ethics of global health to examine the motivations and worldviews driving how we define, research and address global health problems.

**ANT 4332 Global Health Disparities (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Principles of modern medical, biological, and psychological theory are applied to understand how economic and social inequities affect child development and health.

**ANT 4333 Formal Decision Analysis & Health Policy (3)**

Pre-requisite(s): ANT 4325, ANT 4330 or consent of instructor

Introduction to formal decision analysis, the administrative allocation of scarce resources in health care, and the application of decision-making strategies in public policy among indigenous peoples.

**ANT 4334 Child and Family Health in Global Perspective (3)**

Pre-requisite(s): Upper level standing or instructor consent

Principles of modern medical practice and evolutionary biology are used to understand family relationships and how/why they affect child development and health in global context.

**ANT 4335 The Human Fossil Record (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Seminar on the evolutionary history of humans. Emphasis on fossil evidence and primary texts.

**ANT 4336 Global Health Policy (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

History, theory, and practice of global health policies from the perspectives of public health, economics, and anthropology.

**ANT 4340 Environmental Archaeology (3)**

Cross-listed as ARC 4340, ENV 4340

Pre-requisite(s): Upper-level standing or consent of instructor

Distributional patterns of archaeological sites within specific environments. Archaeological/environmental field work in Texas, with respect to recent conservation laws protecting nonrenewable archaeological resources.

**ANT 4341 Archaeology of the Mediterranean (3)**

Pre-requisite(s): Upper-level standing

Environmental and cultural factors that led to the rise and fall of civilizations in the Mediterranean region.

**ANT 4344 African Archaeology (3)**

Pre-requisite(s): Upper-level standing

A survey of the African archaeological record, from emergence of stone tool technology 2.6 million years ago to the rise of complex civilizations and the African Diaspora.

**ANT 4348 Geoarchaeology (3)**

Cross-listed as GEO 4348

See GEO 4348 for course information.

**ANT 4350 Development and Indigenous People (3)**

Cross-listed as ENV 4350

See ENV 4350 for course information.

**ANT 4351 Futuristics (3)**

Cross-listed as ENV 4351

Pre-requisite(s): Upper-level standing or consent of instructor

Biological and cultural forces that will likely shape humankind's future. Emphasis on trends in demography, globalization, science, and technology.

**ANT 4353 Archaeology of North America (3)**

Cross-listed as ARC 4353

An archaeological survey of human societies in the United States and Canada from their earliest appearance in the New World to the arrival of Europeans. One-third of the course will focus on historical archaeology.

**ANT 4355 Forensic Anthropology (3)**

Cross-listed as FORS 4355

Pre-requisite(s): ANT 3331 or FORS 3331

Forensic anthropological techniques used in civil and criminal court cases, including analysis of skeletal material for sex, age, stature, and biological affinity.

**ANT 4358 Death, Injury and Physical Remains (3)**

Cross-listed as FORS 4359

See FORS 4359 for course information.

**ANT 4360 Anthropology of Religion (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Myth, ritual and religion in social and cultural anthropology. Emphasis on structural and functional analysis, including critiques of pertinent classical and contemporary works.

**ANT 4361 Ethnographic and Analytical Methods in Ethnomusicology (3)**

Cross-listed as MUS 4360

See MUS 4360 for course information.

**ANT 4362 Applied Anthropology (3)**

Cross-listed as ENV 4362

Pre-requisite(s): Upper level standing or consent of instructor

An introduction to applied anthropology where major research components are identified and specific fields such as medical, nutritional, environmental anthropology, and Third World development are discussed.

**ANT 4365 Primate Behavior (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The complex social behavior of primates. Includes field trips. Graduate students produce a comprehensive research paper.

**ANT 4369 Seminar in Anthropology (3)**

Cross-listed as ENV 4369

Pre-requisite(s): Consent of instructor

Debate of current theoretical issues that reflect the continually changing nature of the discipline. Students will address all sides of a currently debated issue, drawing upon their studies in anthropology and related fields. Faculty participation.

**ANT 4371 Evolutionary Medicine (3)**

Pre-requisite(s): Upper level standing or instructor consent

Application of evolutionary theory to medicine using insights from evolutionary theory (biology) and human evolutionary ecology (biological and cultural anthropology) to inform our understandings of human health, development, and disease.

**ANT 4372 Sex, Hormones, and Behavior: Human Reproductive Ecology (3)**

Pre-requisite(s): Upper level standing or instructor consent  
Recent developments in human reproductive biology, human reproductive ecology, and fertility analysis. The major features of the human reproductive process are considered using a combination of demographic, physiological and evolutionary approaches.

**ANT 4373 One Health: Connecting Global Health and Conservation Medicine (3)**

Pre-requisite(s): Upper level standing or consent of instructor  
Analysis of the collaborative efforts among physicians, public health professionals, veterinarians, and social scientists to understand infectious disease exchange at the interface of human, wildlife, and livestock populations, and the varying ecological and cultural contexts in which these disease spillovers take place.

**ANT 4380 Bioarchaeology (3)**

Pre-requisite(s): ANT 3331 or FORS 3331  
Advanced osteological approaches to the study of human skeletal remains from archaeological sites, with an emphasis on the study of human diet and health in prehistory.

**ANT 43C9 Anthropology Capstone (3)**

Pre-requisite(s): ANT 1404, 2305, and 2307; and senior standing  
Integration of knowledge and experiences acquired from anthropology courses, research, and field school.

**ANT 4416 Human Evolutionary Anatomy (4)**

Cross-listed as BIO 4415  
Pre-requisite(s): Upper-level standing or consent of instructor  
Survey of regional and systemic human anatomy viewed from a comparative evolutionary perspective. Non-human primate and non-primate vertebrates will be used to illustrate the unique characteristics of human anatomical structures that have been honed by natural selection throughout our evolutionary history.

**ANT 4670 Field School in Archaeology (6)**

Pre-requisite(s): Consent of instructor  
Field training in archaeological excavation, survey, artifact processing, and analysis of material culture.

**ANT 4680 Field School in Cultural Anthropology (6)**

Cross-listed as ENV 4680  
Pre-requisite(s): Consent of instructor  
Residence for five to six weeks in a selected area to observe and analyze social, economic, and environmental systems.

**ANT 4690 Field School in Biological Anthropology (6)**

Pre-requisite(s): Consent of instructor  
Training in research techniques to gain an understanding of the methodology and its application in field research in various topics related to biological anthropology.

**ANT 4V15 Research Methods in Cultural Anthropology (3-6)**

Pre-requisite(s): Consent of instructor  
Lecture and field experience in the methods and techniques of social and cultural anthropology. May be repeated for a total of six semester hours with different topics.

**ANT 4V16 Archaeological Research (3-6)**

Cross-listed as ARC 4V16  
Pre-requisite(s): Consent of instructor  
Independent library and lab research focused on a current topic in archaeology. May be repeated for a total of six semester hours with different topics.

**ANT 4V17 Research Methods in Biological Anthropology (1-6)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Lecture and lab experience in the methods and techniques of biological anthropological research. May be repeated for a total of six semester hours with different topics.

**ANT 4V20 Epidemiological Research Design (1-6)**

Pre-requisite(s): Upper level standing and instructor consent  
Application of epidemiological skills and methods to research questions. Emphasis on designing studies that will address real world clinical problems in cross-cultural context. May be repeated for a maximum of 6 hours.

**ANT 4V70 Special Topics in Anthropology (1-6)**

Pre-requisite(s): Consent of instructor  
A reading-research project in selected areas of ethnology, archaeology, or physical anthropology. May be repeated for credit up to a total of six semester hours, provided topic is different.

**ANT 4V9R Research (3)**

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Arabic (ARB)

**ARB 1101 Arabic Language Workshop (1)**

For Music students, supplemental language training to accompany regular 1301 language sections.

**ARB 1102 Arabic Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**ARB 1301 Introduction to Arabic (3)**

Introduction to Arabic language and culture(s); practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress toward novice proficiency level

**ARB 1302 Intro to Arabic (3)**

Pre-requisite(s): ARB 1301 or consent of instructor  
Introduction to Arabic language and culture(s); practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate proficiency

**ARB 2310 Intermediate Spoken/Modern Standard Arabic (3)**

Pre-requisite(s): ARB 1302 or consent of instructor  
Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading)

**ARB 2320 Arabic Popular Culture (3)**

Pre-requisite(s): ARB 2310 or four units of high school Arabic  
Exploration and familiarization with the most popular elements of Arabic culture relevant to daily life: (1) Friends and Family Relationship, (2) Celebrations of the Religious Occasions, (3) Business and Shopping, (4) Politics in the Middle East.

**ARB 3301 Advanced Arabic Grammar (3)**

Pre-requisite(s): ARB 2320 or consent of instructor or Division Director  
Review of grammar and study of advanced structures in complex communication.

**ARB 3302 Arabic Conversation and Composition (3)**

Pre-requisite(s): ARB 2320  
Advanced practice in oral and written communication.

**ARB 3304 Advanced Topics in Arabic Language and Literature (3)**

Pre-requisite(s): ARB 3302

Development of advanced skills in areas of writing, reading aloud, and listening in Modern Standard Arabic, on topics of general and professional interests, including aspects of Arabic culture and literature.

**ARB 3305 Arabic for Special Purposes (3)**

Pre-requisite(s): ARB 2320 or consent of instructor or Division Director  
Business, technical, and/or scientific discourses in the context of the Arabic language and Middle Eastern cultures.

**ARB 3V70 Special Topics (1-3)**

Prerequisite/s: Consent of instructor and Division Director of Asian and African Languages, in the department of Modern Foreign Languages.  
Independent study in Arabic Language, literature, or culture with a professor. With content changed, this course may be repeated once for a maximum of six hours of credit.

**ARB 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ARB 4331 Classical Arabic Texts (3)**

Pre-requisite(s): ARB 3301, 3302, 3304, or 3305, or consent of instructor or Division Director  
Ideals and traditions of poetry and prose from the sixth to the nineteenth century, using sacred scriptures, early oratory, and masterpieces from the Near East, Egypt, and North Africa.

**ARB 4345 Media and Popular Culture in the Arabic-Speaking World (3)**

Pre-requisite(s): ARB 3301, 3302, 3304, or 3305; or consent of instructor or Division Director  
Current newspaper and magazine articles, radio broadcasts, and a variety of multimedia used to increase language skills and understanding of contemporary Arabic-speaking popular culture.

**ARB 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Aramaic (ARA)

**ARA 4303 Aramaic (3)**

Cross-listed as REL 4303

Pre-requisite(s): HEB 2310 or its equivalent

Grammar of Biblical Aramaic and of selected Aramaic portions of the Old Testament with a brief introduction to post-Biblical Aramaic materials.

## Archaeology (ARC)

**ARC 2302 The Emergence of World Civilizations (3)**

Cross-listed as ANT 2302

Cultural processes involved in both the Neolithic and Urban Revolutions that led to the emergence of state-level societies and the world's greatest civilizations.

**ARC 2308 Historical Geography of the Biblical World (3)**

An in-depth study of the world of biblical times with emphasis on relationships between places and events. The course will involve readings, lectures, and both travel to and archaeological study of important sites in biblical history.

**ARC 3303 Archaeology and the Bible (3)**

Cross-listed as REL 3303

See REL 3303 for course information.

**ARC 3307 Historical Archaeology (3)**

Cross-listed as ANT 3307

Pre-requisite(s): Upper-level standing or consent of instructor  
Integration of archaeological investigation with primary historical sources as applied to subjects ranging from colonial to modern times.

**ARC 4101 Seminar/Research (1)**

A combination of group seminars and individual or group research projects.

**ARC 4302 Archaeology and the Ancient Near East (3)**

Cross-listed as REL 4302

See REL 4302 for course information.

**ARC 4340 Environmental Archaeology (3)**

Cross-listed as ANT 4340, ENV 4340

See ANT 4340 for course information.

**ARC 4348 Geoarchaeology (3)**

Cross-listed as ANT 4348

See GEO 4348 for course information.

**ARC 4353 Archaeology of North America (3)**

Cross-listed as ANT 4353

See ANT 4353 for course information.

**ARC 4V16 Archaeological Research (3-6)**

Cross-listed as ANT 4V16

See ANT 4V16 for course information.

**ARC 4V50 Special Topics in Archaeology (1-4)**

Pre-requisite(s): Consent of instructor

Current topics in archaeological research. May be repeated once for credit up to a total of six semester hours provided topic is different.

## Art (ART)

**ART 1310 Drawing I (3)**

Realization of form and space through direct observation using a variety of drawing media. Perspective, sighting and measuring, methods of depicting light and shadow, composition, and basic drawing vocabulary.

**ART 1311 Drawing II (3)**

Pre-requisite(s): ART 1310

Expands on skills learned in ART 1310. Further investigation into line, mark, and value development and integration of color.

**ART 1314 2D Design (3)**

Designing in two dimensions, achieving unity using the elements and principles of design. Problem-solving assignments emphasizing visual relationships, incorporating a variety of media.

**ART 1316 3D Design (3)**

Pre-requisite(s): ART 1314

Art majors only. Designing in three dimensions, achieving unity using the elements and principles of design. Problem-solving assignments emphasizing visual relationships, incorporating a variety of media.

**ART 2310 Figure Drawing I (3)**

Pre-requisite(s): ART 1311 and Art majors only

Structural and relational studies of the human figure from observation. Emphasis on anatomy, tensions, proportions, gesture and compositional placement.

**ART 2311 Figure Drawing II (3)**

Pre-requisite(s): ART 2310

Advanced studies of the human figure with more dependence upon anatomy and complicated figure arrangement.



**ART 2320 Introduction to Oil Painting (for non-art majors only) (3)**

An introductory course in oil painting with an emphasis on application, color harmony and composition in a wide variety of subjects and approaches.

**ART 2321 Introduction to Acrylic Painting (for non-art majors only) (3)**

An introductory course in acrylic painting with an emphasis on application, color, harmony and composition in a wide variety of subjects and approaches.

**ART 2324 Introduction to Intaglio (for non-art majors only) (3)****ART 2325 Introduction to Lithography (for non-art majors only) (3)**

Fine art stone and/or plate lithography. Development of technical skills related to drawing, processing and printing.

**ART 2330 Introduction to Graphic Design (for non-art majors only) (3)**

Introduction to typography and concept development using design principles, the creative process, and problem-solving methodologies.

**ART 2332 Introduction to Digital Imaging for Graphic Design (for non-art majors) (3)**

Pre-requisite(s): ART 2330 or consent of instructor

Focuses on techniques and principles to enhance and manipulate images. Development of principles of visual organization, aesthetics and composition, using both raster and vector solutions

**ART 2333 Introduction to Brochure Design (for non-art majors) (3)**

Pre-requisite(s): ART 2330 and 2332 or consent of instructor

An exploration of the combination of type and image emphasizing hierarchy, layouts, grid, styles sheets, and other organizational structures of design in the context of brochures and multi-page documents.

Production and printing methods explored

**ART 2334 Introduction to Darkroom Photography (for non-art majors) (3)**

Black and white fine art photography, emphasizing 35mm cameras and wet lab darkroom processes. Cameras provided.

**ART 2336 Introduction to Digital Photography (for non-majors) (3)**

Color image development, in-house printing, file management, and digital workflow using Adobe Lightroom. Emphasis on aesthetic and conceptual development, study of historic and contemporary photographic genres. Students must have access to a digital SLR camera.

**ART 2340 Hand-Built Ceramics (for non-art majors only) (3)**

Hand-built ceramic forms for non-majors. Includes instruction in pinched, coiled, and slab construction; surfacing/glazing and firing techniques.

**ART 2341 Wheel-Thrown Ceramics (for non-art majors only) (3)**

Introduction to wheel-thrown ceramic form for non-majors. Includes instruction in foundational wheel-thrown forms, surfacing/glazing and firing techniques

**ART 2344 Wood Sculpture (for non-art majors) (3)**

Basic materials, methods and conceptual approaches to wood sculpture. Emphasis on elements and principles of design, in the context of traditional and contemporary approaches to making sculpture.

**ART 2345 Metal Sculpture (for non-art majors) (3)**

Pre-requisite(s): ART 2344

Basic materials, methods and conceptual approaches to welded steel sculpture. Emphasis on elements and principles of design, in the context of traditional and contemporary approaches to making sculptures.

**ART 2350 Jewelry and Metalsmithing (for non-art majors) (3)**

Basic materials, methods and conceptual approaches to metalsmithing and jewelry. Emphasis on elements and principles of design, in the context of traditional and contemporary approaches to making jewelry

**ART 3310 Advanced Drawing (Media) (3)**

Pre-requisite(s): ART 2311

A study of various techniques and different media used in drawing. Students will work on problems that will assist them in further drawing skills.

**ART 3312 Figure Drawing III (3)**

Pre-requisite(s): ART 2311

A continuation of the study and discipline of drawing the human figure using a variety of media including pencil, charcoal, and ink.

**ART 3314 Fabric Surface Design (3)**

Pre-requisite(s): ART 1316 and Art majors only

Introduction to applied fabric surface design treatments. Hand printed, dyeing, and embellishing techniques include tie-dye/shibori, discharge, appliqué, patchwork, embroidery and art quilt methods.

**ART 3315 Non-Woven/Off-Loom Fabric Structures (3)**

Pre-requisite(s): ART 1311 and 1316; Art majors only, or consent of instructor

Introduction to historical and contemporary techniques of basketry, off-loom structures, felt-making, looping, alternative book arts, and fabric construction. Emphasis on material exploration, ideation and design concepts.

**ART 3316 Weaving (3)**

Pre-requisite(s): ART 1316

For Art majors only. Introduction to loom weaving through the study of weave structures, fiber types and color relationships. Development of technical skill and design competency.

**ART 3320 Oil Painting (3)**

Pre-requisite(s): ART 1311 and 1316

For Art majors only. Emphasis on application, color harmony and composition in relation to conceptual development

**ART 3321 Acrylic Painting (3)**

Pre-requisite(s): ART 1311 and 1316; Art majors only

Emphasis on application, color harmony and composition in a wide variety of subjects and approaches.

**ART 3324 Intaglio (3)**

Pre-requisite(s): ART 1311, 1316

For Art majors only. Explores etching and other fine art intaglio processes. Conceptual and technical skills related to creating, processing and hand-printing the limited-edition fine art intaglio print.

**ART 3325 Lithography (3)**

Pre-requisite(s): ART 1311, 1316

For Art majors. Stone and/or plate lithography. Development of conceptual and technical skills related to creating, processing and hand-printing the limited-edition fine art lithograph print.

**ART 3326 Relief Printmaking (3)**

Pre-requisite(s): ART 1311, 1316

For Art majors. Development of conceptual and technical skills related to creating, processing and hand-printing the limited-edition fine art relief print.

**ART 3327 Screenprinting (3)**

Pre-requisite(s): ART 1311, 1316

For Art majors only. Development of conceptual and technical skills related to creating, processing and hand-printing the limited-edition fine art screenprint.



**ART 3330 Typography and Conceptual Development (3)**

Co-requisite(s): ART 3332

Pre-requisite(s): ART 1311 and 1316

ART 3330 must be taken concurrently with ART 3332. For Art majors.. Introduction to typography and conceptual development using design principles, the creative process, problem-solving methodologies.

**ART 3332 Digital Imaging for Graphic Design (3)**

Pre-requisite(s): ART 1311, 1316

Must be taken concurrently with ART 3330. For Art Majors only. Focuses on techniques and principles to enhance and manipulate images. Development of principles of visual organization, aesthetics and composition, using both raster and vector solutions.

**ART 3333 Publication Design (3)**

Pre-requisite(s): ART 3332 and Art majors only

Combining type and image emphasizing hierarchy, layouts, grid, styles sheets, and organizational structures of design in the context of brochures and multi-page documents. Production and printing methods explored.

**ART 3334 Photography I: Introduction to the Camera and Darkroom (3)**

Pre-requisite(s): ART 1311, 1316

For art majors only. Black and white fine art photography emphasizing 35mm cameras and the wet lab. Aesthetic and conceptual development through the introduction of historic and contemporary photographic genres, critiques, and readings. Cameras provided.

**ART 3336 Photography II: Introduction to Digital Photography and the Digital Lab (3)**

Pre-requisite(s): ART 3334 and Art majors only

Color image development, in-house printing, file management, and digital workflow using Adobe Lightroom. Emphasis on both aesthetic and conceptual development. Introduction of historic and contemporary photographic genres. Students must furnish a digital SLR camera.

**ART 3339 Medium and Large Format Photography (3)**

Pre-requisite(s): ART 3334

For Art majors only. Traditional and contemporary processes, including Holga and pinhole cameras, medium and large format photography, digital negatives, printing on fiber-based paper; and historical perspectives and theories in alternative processes

**ART 3340 Hand-Built Ceramics (3)**

Pre-requisite(s): ART 1311, 1316; Art majors only, or with consent of instructor

The design, construction, surfacing, firing, and historical traditions of hand-built ceramic form

**ART 3341 Wheel-Thrown Ceramics (3)**

Pre-requisite(s): ART 1311, 1316, Art Majors only, or consent of instructor

The design, construction, surfacing, firing, and historical traditions of wheel-thrown ceramic form.

**ART 3344 Wood Sculpture (3)**

Pre-requisite(s): ART 1311, 1316, For Art majors only

Materials, methods and conceptual approaches to wood sculpture. Emphasis on elements and principles of design, in the context of traditional and contemporary approaches to making sculpture.

**ART 3345 Metal Sculpture (3)**

Pre-requisite(s): ART 1311 and 1316

For Art majors only. Materials, methods and conceptual approaches to welded steel sculpture. Emphasis on elements and principles of design, in the context of traditional and contemporary approaches to making sculpture.

**ART 3350 Jewelry and Metalsmithing (3)**

Pre-requisite(s): ART 1311, 1316

For Art majors or consent of instructor. Materials, methods and conceptual approaches to metalsmithing and jewelry. Emphasis on elements and principles of design, in the context of traditional and contemporary approaches to making jewelry.

**ART 3V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ART 4312 Figure Drawing IV (3)**

Pre-requisite(s): ART 3312

For Art majors only. Drawing the human figure as a point of departure in the development of personal content, skills and style.

**ART 4313 Advanced Fabric Design I (3)**

Pre-requisite(s): ART 3314 or 3316; upper-level standing; and consent of instructor

For Art majors only. Study of specific fabric design techniques and/or media selected by student in consultation with instructor.

**ART 4314 Advanced Surface Design (3)**

Pre-requisite(s): ART 3314, upper-level standing

For Art majors only or consent of instructor. Formal and improvisational screen-printing processes. Emphasis on design, technical competency, and conceptual development.

**ART 4316 Advanced Fabric Design II (3)**

Pre-requisite(s): ART 3314, 3316 or 4313; For Art majors only or consent of instructor

Advanced problems in fabric design with emphasis on conceptual development. Examination of aesthetic issues in contemporary fibers and the development of a personal vision. Completion of the BFA Senior Exhibition.

**ART 4320 Watercolor Painting (3)**

Pre-requisite(s): ART 1316 and 2310

For Art majors only. Techniques of the water-based media. Instruction gives much attention to creative style and individual criticism.

**ART 4321 Advanced Painting I (3)**

Pre-requisite(s): ART 1316, 2310, and either 3320 or 3321

For Art majors only. Study of a specific painting medium selected by the student in consultation with the instructor

**ART 4322 Advanced Painting II (3)**

Pre-requisite(s): ART 4321

For Art majors only. Advanced problems in media selected by the student in consultation with the professor

**ART 4323 Advanced Painting III (3)**

Pre-requisite(s): ART 4322

For Art majors only. Continuation of a self-directed program in consultation with instructor. Examination of aesthetic issues in contemporary painting and the development of a personal vision. Completion of the BFA Senior Exhibition

**ART 4324 Advanced Printmaking I (3)**

Pre-requisite(s): ART 3324, 3325, 3326, or 3327

For Art majors only. Emphasis on technical proficiency, creative expression and the creation of a body of work.

**ART 4325 Advanced Printmaking II (3)**

Pre-requisite(s): ART 4324

For Art majors only. A continuation of ART 4324 with emphasis on technical proficiency creative expression and the creation of a personal vision. Completion of the BFA Senior exhibition.

**ART 4329 Web Design (3)**

Pre-requisite(s): ART 4332

For Art majors only. Introduction to internet web page design with emphasis on process, concept, aesthetics, user experience, mark-up languages, and internet access software.

**ART 4330 Illustration (3)**

Pre-requisite(s): ART 2310, 3320, 3330 or 4320

For Art majors only. Illustrative art for graphic design. Emphasis on media, technique, style, and concept in advertising and editorial illustration.

**ART 4331 Package Design (3)**

Pre-requisite(s): ART 4332

For Art majors only. Exploration of advanced principles of design when applied to three-dimensional packaging forms. Emphasis on perspectives of aesthetics, form, manufacturing processes, sustainability, utility, marketing, and regulations.

**ART 4332 Identity Design (3)**

Pre-requisite(s): ART 3333

For Art majors. Exploration of theories and terminology of symbols and icons with an emphasis on branding and identity development.

**ART 4333 Portfolio Preparation (3)**

Pre-requisite(s): ART 4331

For Art majors only. Development of the final graphic design portfolio. Additional emphasis on self-assessment, professional skills such as job search strategies, interviewing, and presentation skills. (Should be taken the last semester prior to graduation.)

**ART 4335 Advanced Photography: Digital (3)**

Pre-requisite(s): ART 3336

Color image development using Adobe Photoshop. Conceptual exploration of photography as a fine art medium through guided projects, and historical and contemporary readings. Students must furnish a digital SLR camera. Fee \$50.

**ART 4336 Advanced Photography: Special Topics (3)**

Pre-requisite(s): ART 4335

For Art majors only. Emphasis on development of personal voice using Adobe Software, advanced photographic techniques and concepts. Creation of self-directed projects building on knowledge and understanding of photography as a fine art medium. Research current trends and technologies used in contemporary lens-based media.

**ART 4337 Advanced Photography: Portfolio and Exhibition (3)**

Pre-requisite(s): ART 4336

Capstone seminar for photography majors. Emphasis on professional standards, technical mastery and individual artistic expression informed by historical perspectives and theories. Development of conceptually coherent body of work for BFA Exhibition.

**ART 4338 Studio Topics in Graphic Design (3)**

Pre-requisite(s): ART 3333

For Art majors only. A category of topical courses designed to meet special needs, address issues in the professional field, and focus on research and experimentation in specialized media.

**ART 4340 Advanced Ceramics I (3)**

Pre-requisite(s): ART 3340, ART 3341; Art Majors only

Advanced study of ceramics building upon foundational content, skills, and perspectives developed in ART 3340 and ART 3341. Includes study of ceramic materials and glazes.

**ART 4341 Advanced Ceramics II (3)**

Pre-requisite(s): ART 4340

For Art majors only. Advanced study of ceramics building upon content, skills, and perspectives developed in ART 4340. Includes development of personalized body of artwork and study of high temperature firing dynamics.

**ART 4342 Advanced Ceramics III (3)**

Pre-requisite(s): ART 4341

For Art majors only. Continuation of a self-directed program in consultation with instructor. Examination of aesthetic issues in contemporary ceramics and the development of a personal vision.

**ART 4343 Advanced Ceramics IV (3)**

Pre-requisite(s): ART 4342

For Art majors only. Continuation of a self-directed program in consultation with instructor. Examination of aesthetic issues in contemporary ceramics and the development of a personal vision. Completion of the BFA Senior Exhibition.

**ART 4344 Advanced Sculpture I (3)**

Pre-requisite(s): ART 3344 and 3345

For Art majors only. Sculpture emphasizing the combination of materials, the use of alternative materials, casting approaches, and the development of a personalized body of artwork

**ART 4345 Advanced Sculpture II (3)**

Pre-requisite(s): ART 4344

For Art majors only. Continued emphasis on the combination of materials, the use of alternative materials, casting approaches, and the development of a personalized body of artwork.

**ART 4346 Advanced Sculpture III (3)**

Pre-requisite(s): ART 4345

For Art majors only. Self-directed program in consultation with instructor. Examination of aesthetic issues in contemporary sculpture and the development of a personal vision.

**ART 4347 Advanced Sculpture IV (3)**

Pre-requisite(s): ART 4346

For Art majors only. Continuation of a self-directed program in consultation with instructor. Examination of aesthetic issues in contemporary sculpture and the development of a personal vision. Completion of the BFA Senior Exhibition.

**ART 4355 Special Topics in Modern and Contemporary Art History - AAI (3)**

Pre-requisite(s): ART 2303; and upper-level standing or consent of the instructor

A research seminar on selected topics from modern and contemporary art. Subject varies year to year. May be repeated once with a change in content.

**ART 4356 Modern American Art History - AAI (3)**

Pre-requisite(s): ART 2303, upper-level standing or consent of instructor  
Modern art in the Americas from 1880 to 1945. Includes major artistic movements and their political, social, and historical contexts.

**ART 4358 Contemporary Art History - AAI (3)**

Pre-requisite(s): ART 2303 and upper-level standing or consent of instructor

A research seminar focused on the major trends in painting, sculpture, printmaking, performance, video, installation, and conceptual art from the 1960s to the present.

**ART 4381 Art since 1945—AAI (3)**

Pre-requisite(s): ARTH 2303; and upper level standing or consent of instructor

Modern art in a global context from 1945 to 1970, focusing on the development of Abstract Expressionism and its legacies.

**ART 4395 Internship in Studio Art (3)**

Pre-requisite(s): Minimum of six hours of upper-level course completion in the concentration and consent of the instructor

For Art majors only. A field experience under the supervision of a recognized professional artist, which will permit the student to receive concentrated and sufficiently lengthy training to become proficient in that art activity.

**ART 4V90 Special Problems in Studio Art (1-9)**

Pre-requisite(s): Written consent of the appropriate instructor

For Art majors only. Qualified students with established success in specified areas of art, especially their major concentration, may work on approved projects. May be repeated once with a change of content.

**ART 4V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Art History (ARTH)

**ARTH 1300 Introduction to Art (for non-art majors only) (3)**

The visual elements of art, its history, issues, functions, interpretations, materials and techniques. The creative process and the role of art and the artist in society, its reception and critical interpretation.

**ARTH 1V91 Studies in Art History (for non-art majors only) (1-4)**

Pre-requisite(s): Consent of department chair

Studies in art history for the non-major participating in a Baylor approved international program. May be repeated once with a change in content.

**ARTH 2302 Survey of Western Art I (3)**

Architecture, painting, sculpture and other media in relation to styles and cultural patterns from prehistoric times to 1400 CE. Includes the creative process and the role of art and the artist in society, their reception and critical interpretation.

**ARTH 2303 Survey of Western Art II (3)**

Architecture, painting, sculpture and other media in relation to styles and cultural patterns from 1400 CE to the present. Includes the creative process and the role of art and the artist in society, their reception and critical interpretation.

**ARTH 3352 Greek Art and Archaeology (3)**

Cross-listed as CLA 3352

Pre-requisite(s): ART 2302 and upper-level standing or consent of instructor

Greek art and archaeology from the Aegean Bronze Age through the first century BCE with emphasis on stylistic trends, the social functions of Greek art and material objects, and the relationship between art and various aspects of Greek life and thought.

**ARTH 3353 Roman Art and Archaeology (3)**

Cross-listed as CLA 3353

Pre-requisite(s): ART 2302; and upper-level standing or consent of instructor

Roman art and archaeology, beginning with the Etruscans and Archaic Rome, to the end of the fourth century CE. The social and political functions of objects and architecture are highlighted within historical and cultural contexts.

**ARTH 3354 Medieval Art and Architecture (3)**

Pre-requisite(s): ARTH 2302 or consent of instructor

Art created between the fourth and the fourteenth centuries with an emphasis on architecture.

**ARTH 3356 Nineteenth-Century Art History (3)**

Pre-requisite(s): ARTH 2303 or consent of instructor

Art of nineteenth-century Europe focusing on technique and style with political and social contexts.

**ARTH 3357 Baroque Art History (3)**

Pre-requisite(s): ARTH 2303

Seventeenth-century painting, sculpture and architecture with Italy as the vanguard country. Significant attention given to Spain and includes paintings from France, Flanders, and Holland.

**ARTH 3359 Northern Renaissance Art (3)**

Pre-requisite(s): ARTH 2302 and 2303 Art of northern Europe in the fifteenth and sixteenth centuries

Special attention will be given to the painters Van Eyck, Dürer, and Bruegel.

**ARTH 3369 Eighteenth-Century European Art (3)**

Pre-requisite(s): ART 2303 or consent of instructor

Art of eighteenth-century Europe focusing on technique and style with political and social contexts.

**ARTH 3370 Key Monuments in European Art (3)**

Pre-requisite(s): ARTH 2302 and 2303

Selected examples of art studies in situ in art centers of Europe, supplemented by readings, lectures, and collected illustrations and catalogs.

**ARTH 3375 Art History Methods and Theory (3)**

Pre-requisite(s): ARTH 2302 and 2303

Primary methods and theories used in the study of the history of art.

**ARTH 3390 Philosophy and the Arts (3)**

Cross-listed as PHI 3322

See PHI 3322 for course information.

**ARTH 3391 Women in Modern and Contemporary Art History (3)**

Pre-requisite(s): ART 2303 or consent of instructor

Major female artists of the twentieth and twenty-first centuries.

**ARTH 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ARTH 4100 Field Studies in Art History (1)**

Pre-requisite(s): ARTH 2302 and 2303; and consent of department chair  
For Art majors only. Specialized field study with a specific destination for established art and art history students. Includes a research component. Requires concurrent enrollment in a listed co-requisite course. May be repeated four times with a change of content. Course does not apply to major or minor credit hours.

**ARTH 4354 Special Topics in 18th- and 19th-Century Art (3)**

Pre-requisite(s): ART 2303; and upper-level standing or consent of instructor

A research seminar on a selected topic of 18th- or 19th-century art. Subject varies year to year. May be repeated once with a change in content.

**ARTH 4355 Special Topics in Modern and Contemporary Art History (3)**

Pre-requisite(s): ARTH 2302 and 2303; and upper-level standing

A research seminar on a selected major artist or topic of early modern European art. Subject varies year to year. May be repeated once with a change in content.

**ARTH 4356 Modern American Art (3)**

Pre-requisite(s): ARTH 2302 and 2303; upper-level standing  
Artistic expression in the United States from 1900 to 1945.

**ARTH 4357 American Art (3)**

Pre-requisite(s): ARTH 2302 and 2303; and upper-level standing  
Artistic expression in the United States from the Colonial Period to 1900.

**ARTH 4358 Contemporary Art History (3)**

Pre-requisite(s): ARTH 2303, upper-level standing or consent of instructor

A research seminar focused on the major trends in painting, sculpture, printmaking, performance, video, installation, and conceptual art from the 1960s to the present.

**ARTH 4359 Special Topics in Art History (3)**

Pre-requisite(s): ARTH 2302 and 2303; and upper-level standing  
Topics not covered in other courses. Topic announced for semester or session; may emphasize a particular artist, movement, genre, theme, or problem. May be repeated once.

**ARTH 4360 History of Impressionism and Post-Impressionism (3)**

Pre-requisite(s): ART 2303 or consent of instructor

Art of the Impressionism and Post-Impressionism movements, 1850-1900, focusing on technique and style with social and political contexts.

**ARTH 4361 Greek Painted Pottery (3)**

Cross-listed as CLA 4361

Pre-requisite(s): ARTH 2302 and upper-level standing or consent of instructor

Techniques, stylistic changes, and social use and function of Greek painted pottery and its imagery from the Late Aegean Bronze Age through the Late Classical and Early Hellenistic periods. Focus is on vessels in the Archaic and Classical periods.

**ARTH 4362 Modern European Art (3)**

Pre-requisite(s): ARTH 2303; and upper-level standing  
Modern art in Europe from Post-Impressionism to 1945.

**ARTH 4363 Neoclassicism and Romanticism (3)**

Pre-requisite(s): ART 2303; and upper-level standing or consent of instructor

Art of the Neoclassicism and Romanticism movements, 1750-1850, focusing on technique and style with social and political contexts.

**ARTH 4364 Roman Sculpture (3)**

Cross-listed as CLA 4364

Pre-requisite(s): ARTH 2302 and upper-level standing  
Roman sculpture from the Republic to Constantine (c. 313 CE) focusing on style and technique with political and social contexts.

**ARTH 4365 Italian Renaissance Art History (3)**

Pre-requisite(s): ARTH 2303; and upper-level standing or permission of instructor

A selective study of the art of Italy during the Renaissance period (c. 1300-1550) as seen within its historical context. Emphasis on the art of Florence and Rome.

**ARTH 4366 Mannerism (3)**

Pre-requisite(s): ARTH 2303 and upper-level standing or consent of instructor

A specialized study of Mannerism (c.1520-85) painting as a transition between the Renaissance and Baroque periods in Italy. Emphasis on the cities of Florence and Rome.

**ARTH 4367 Special Topics in Italian Renaissance and Baroque Art History (3)**

Pre-requisite(s): ARTH 2303; and upper-level standing or consent of instructor

A specialized study of a major artist(s) or topic of Italian Renaissance or Baroque art. Subject varies year to year. May be repeated once with a change of content.

**ARTH 4368 Special Topics in Greek and Roman Art and Archaeology (3)**

Cross-listed as CLA 4368

Pre-requisite(s): ARTH 2302; and upper-level standing or consent of instructor

A research seminar on Greek or Roman Art and Architecture. May be repeated once with a change of content.

**ARTH 4369 Greek and Roman Sport and Spectacle (3)**

Cross-listed as CLA 4369

Pre-requisite(s): ART 2302; and upper-level standing or consent of instructor

History, origins, and political and social functions of sport and spectacle in Greece and Rome viewed through art, architecture, and material culture.

**ARTH 4370 The Art of Michelangelo and His Contemporaries (3)**

Pre-requisite(s): ARTH 2303; and upper-level standing or instructor permission

The sources, development, style and meaning of Michelangelo's art and the art of his sixteenth-century contemporaries within the historical context.

**ARTH 4396 Internship in Art History (3)**

Pre-requisite(s): ARTH 2302, 2303; upper-level standing; and consent of department chair

A field experience under the supervision of qualified museum or gallery personnel, which will make it possible for the student to receive on-the-job training in an area of art history.

**ARTH 4399 Senior Thesis in Art History (3)**

Pre-requisite(s): Consent of instructor and department chair  
Thesis preparing qualified seniors for graduate work in art history.

**ARTH 43C1 Aesthetic Perception and Experience (3)**

Cross-listed as ENG 43C1, MUS 43C1

See ENG 43C1 for course information.

**ARTH 4V91 Special Problems in Art History (1-9)**

Pre-requisite(s): ARTH 2302 and 2303; and upper-level standing; and consent of instructor and department chair

For Art majors only. Qualified students with established success in art history may research and report on special areas or topics in art history. May be repeated once with a change in content.



**ARTH 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Asian Studies (AST)

**AST 2380 The Peoples and Culture of Asia (3)**

An introduction to contemporary Asian economy, politics, and society.

**AST 3305 Traditional China (3)**

Cross-listed as HIS 3305  
See HIS 3305 for course information.

**AST 3307 Japan (3)**

Cross-listed as HIS 3307  
See HIS 3307 for course information.

**AST 3314 Politics and Problems of Developing Countries (3)**

Cross-listed as PSC 3314  
See PSC 3314 for course information.

**AST 3315 Geography of East Asia (3)**

Pre-requisite(s): Upper-level standing  
Geographical analysis of physical, cultural, economic, and political factors in East Asia, including land and resource usage, population changes, and economic development.

**AST 3345 World Religions (3)**

Cross-listed as REL 3345  
See REL 3345 for course information.

**AST 3390 Special Studies and Projects (3)**

Special studies and research projects in Asian studies; prior approval is required. With content changed, this course may be repeated once for a maximum of six semester hours credit.

**AST 3V80 Special Topics in Asian Studies (1-6)**

A study of special topics relating to Asia. With content changed, this course may be repeated once for a maximum of six semester hours credit.

**AST 4305 Modern China (3)**

Cross-listed as HIS 4305  
See HIS 4305 for course information.

**AST 4310 Societies and Cultures of East Asia (3)**

Cross-listed as ANT 4310  
See ANT 4310 for course information.

**AST 4325 Asian International Relations (3)**

Cross-listed as PSC 4325  
See PSC 4325 for course information.

**AST 4335 Asian Economic Development (3)**

Cross-listed as ECO 4335, INB 4335  
See ECO 4335 for course information.

**AST 4338 Economic Systems of the World (3)**

Cross-listed as ECO 4338, INB 4338  
See ECO 4338 for course information.

**AST 4340 East Asian Philosophy (3)**

Cross-listed as PHI 4340  
See PHI 4340 for course information.

**AST 4346 Topics in Asian Religions (3)**

Cross-listed as REL 4346  
See REL 4346 for course information.

**AST 4350 Seminar in Asian Studies (3)**

An interdisciplinary seminar focusing on appropriate topics in the field of Asian studies. With content changed, this course may be repeated once for a maximum of six semester hours.

**AST 4362 Traditional Music and Culture in Asia (3)**

Cross-listed as MUS 4362  
See MUS 4362 for course information.

**AST 4364 The Governments and Politics of the Asia-Pacific Region (3)**

Cross-listed as PSC 4364  
See PSC 4364 for course information.

**AST 4366 Oriental Views of Art (3)****AST 4374 Governments and Politics of East Asia (3)**

Cross-listed as PSC 4374  
See PSC 4374 for course information.

**AST 4376 Asian Literature in Translation (3)**

Cross-listed as MFL 4376  
Introduces major writers of Asia and their representative works. Course content varies. Readings may emphasize one national literature or survey the significant works in several literatures, stressing the genres and techniques specific to Asian cultures.

**AST 4388 Contemporary Chinese Society and Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Contemporary China's social, cultural, political and economic changes, transformations, challenges since 1978, through an interdisciplinary approach.

**AST 4390 Reading Course in Political Science (3)**

Pre-requisite(s): Senior standing and the consent of the chairperson of the department  
A tutorial course designed for advanced study in political science.

**AST 4V80 Contemporary Issues in Asian Studies (1-3)**

Flexible credit options for the study of contemporary issues in Asian studies for upper-level and graduate students. With content changed, this course may be repeated once for a maximum of six semester hours; a maximum of three hours may be earned for graduate credit.

## Aviation Management (AVIM)

**AVIM 1470 Fundamentals of Air Traffic Control (4)**

The course will introduce the student to the Air Traffic Control to include a brief story of Air Traffic Control, an introduction to the Federal Aviation Administration, an introduction to the FAAO/JO 710.65, terms of reference, general control, flight progress strips, radio and interphone communications, route and NAVAID description, weather information, altimeter settings, and automatic terminal information service procedures.

## Aviation Sciences (AVS)

**AVS 1300 Introduction to Aviation (3)**

Pre-requisite(s): Aviation Sciences (AVS) or Aviation Administration (AVA) majors, secondary majors, and minors only  
A survey of aviation with special attention to the history and impact of aviation on society as well as its technological progress.



**AVS 1301 Air Navigation (3)**

Pre-requisite(s): Aviation Sciences (AVS) or Aviation Administration (AVA) majors and secondary majors only

Instruction in Visual Flight rules navigation in the National Airspace System. Topics include sectional charts, flight computers, plotters, and navigation logs and publications. Qualifies as part of a program leading to Federal Aviation Administration Private Pilot certification.

**AVS 1302 Private Pilot Ground School (3)**

Pre-requisite(s): Aviation Sciences (AVS) or Aviation Administration (AVA) majors only

Basic ground school for the Federal Aviation Administration Private Pilot Certificate, providing the student with the necessary aeronautical knowledge that can be used for private pilot certification. Topics include principles of flight, radio procedures, weather, navigation, aerodynamics, and Federal Aviation Administration regulations.

**AVS 1303 Instrument Rating Ground School (3)**

Pre-requisite(s): AVS 1302

Ground school providing the necessary aeronautical knowledge required to successfully complete the Federal Aviation Administration (FAA) Instrument Rating written exam. Topics include basic radio instrument and navigation fundamentals, navigation systems, navigation instruments, charts used for instrument flight and Federal Aviation Administration regulations pertaining to instrument flight.

**AVS 1313 Introduction to Meteorology (3)**

Pre-requisite(s): Aviation Sciences (AVS) or Aviation Administration (AVA) majors, secondary majors, and minors only

Basic atmospheric structure and processes, clouds and precipitation, atmospheric pressure and winds, weather chart analysis, thunderstorms and hurricanes, weather observations and forecasting.

**AVS 1331 Private Pilot Flight (3)**

Pre-requisite(s): Aviation Sciences (AVS) or Aviation Administration (AVA) majors, secondary majors, and minors only

Dual flight instruction and solo flight time necessary to qualify for the FAA Private Pilot Certificate.

**AVS 1332 Instrument Rating Flight (3)**

Co-requisite(s): AVS 1303

Pre-requisite(s): AVS 1331

Dual flight instruction and solo flight time necessary to qualify for the FAA Instrument Rating.

**AVS 1361 Private Pilot Helicopter Flight (3)**

Co-requisite(s): AVS 1301, AVS 1302, AVS 1313

Pre-requisite(s): Departmental approval required

Flight training in preparation for the FAA Private Pilot Helicopter license.

**AVS 2151 Multi-Engine Flight (1)**

Pre-requisite(s): A grade of C or better in AVS 2239 or AIRP 2239

Prepares the student for the FAA multi-engine rating.

**AVS 2236 CFI-A Flight (2)**

Co-requisite(s): AVS 2349

Pre-requisite(s): A grade of C or better in AVS 2239 or AIRP 2239

Flight training in preparation for the FAA Certified Flight Instructor - Airplane (CFI-A) license.

**AVS 2304 Commercial Pilot Ground School (3)**

Pre-requisite(s): AVS 1303

Necessary aeronautical knowledge required to successfully complete the Federal Aviation Administration (FAA) Commercial Pilot written exam.

**AVS 2333 Commercial Flight I (3)**

Pre-requisite(s): AVS 1332

The first of two courses that combine to prepare a student for FAA Commercial Pilot certification. Focuses on cross-country procedures and commercial maneuvers and includes both solo and dual flight training.

**AVS 2334 Commercial Flight II (3)**

Co-requisite(s): AVS 2304

Pre-requisite(s): AVS 2333

Continues to prepare a student for FAA Commercial Pilot certification. Focuses on cross-country procedures and commercial maneuver and includes both solo and dual flight training.

**AVS 2349 Certified Flight Instructor Ground School (3)**

Pre-requisite(s): A grade of "C" or better in AVS 2337 or AIRP 2337

Ground school providing the necessary aeronautical knowledge to successfully complete the Federal Aviation Administration (FAA) Certified Flight Instructor and the Fundamentals of Instruction written exams.

**AVS 2362 Instrument/Commercial I Helicopter Flight (3)**

Co-requisite(s): AVS 1303

Pre-requisite(s): A grade of C or better in AVS 1361

The first of two (2) flight training courses in preparation for the FAA Commercial Pilot Helicopter License with Instrument Rating.

**AVS 2363 Instrument/Commercial II Helicopter Flight (3)**

Co-requisite(s): AVS 2304

Pre-requisite(s): AVS 2362

The second of two (2) flight training courses in preparation for the FAA Commercial Pilot Helicopter License with Instrument Rating.

**AVS 3235 Multi-Engine Flight (2)**

Pre-requisite(s): AVS 2334

Required flight training, fundamental knowledge, and a consistent flight schedule for earning the Multi-Engine rating. Includes preparation for FAA Multi-Engine Rating practical test.

**AVS 3236 Certified Flight Instructor - Airplane Flight (2)**

Co-requisite(s): AVS 3305

Pre-requisite(s): AVS 2334

Required flight training, fundamental knowledge, and comprehensive preparation for the FAA CFI-A practical test.

**AVS 3305 Flight Instructor Ground School (3)**

Pre-requisite(s): AVS 2304

Advanced ground school, providing students with preparation for the Federal Aviation Administration Certified Flight Instructor Certificate.

**AVS 3310 Aviation Law (3)**

A history of the development of aviation law as well as a study of its present status. Topics include state and federal regulations, tort law, contract law, FAA regulations, aircraft ownership, airport businesses, and the effect of other laws on aviation.

**AVS 3311 Aircraft Accident Investigation and Prevention (3)**

A comprehensive overview of the procedures and methods used and the skills required to investigate an aircraft accident with emphasis placed on accident prevention.

**AVS 3312 Aviation Safety (3)**

Pre-requisite(s): AVS 3311

Methods for assessing risk and predicting error generation potentials, illustrated through accident and incident case studies.

**AVS 3315 Advanced Aviation Meteorology (3)**

Pre-requisite(s): Aviation Sciences (AVS) or Aviation Administration (AVA) majors, secondary majors, and minors only  
 Discussion of physical processes in the atmosphere which affect aviation including thunderstorms, wind, icing, turbulence, ceiling, and visibility. Includes development and application of aviation weather products.

**AVS 3320 Flight Crew Career Development (3)**

Pre-requisite(s): AVS 2334  
 Examination of pilot qualifications required by airline, corporate, and military hiring entities.

**AVS 3341 UAS Foundations (3)**

Analysis of the capabilities and limitations of UAS technology including both hardware and software inclusions along with an examination of the concerns facing UAS integration into the National Airspace.

**AVS 3342 Applications of Unmanned Aircraft Systems (3)**

Applications of UAS technology for commercial, scientific, and governmental purposes with respect to physical and regulatory limitations. Discussion of professionalism and ethics as they apply to remote pilots.

**AVS 3350 Space Weather (3)**

The discovery, basic processes, and the health, technology, and societal impacts of space weather.

**AVS 3364 CFI Helicopter Flight (3)**

Co-requisite(s): AVS 3305  
 Pre-requisite(s): AVS 2363  
 Flight training in preparation for the FAA Certified Flight Instructor Helicopter license.

**AVS 3370 Aviation Leadership (3)**

A study of leadership topics such as leadership theory, teamwork, conflict management, supervision, and motivation with an emphasis on application within the aviation industry.

**AVS 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
 Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**AVS 4237 Certified Flight instructor - Instrument Flight (2)**

Pre-requisite(s): AVS 3236  
 Flight training, fundamental knowledge, and a consistent flight schedule required for earning the CFI-I certification rating. Includes preparation for the FAA CFI-I practical test.

**AVS 4238 Multi Engine Instructor Flight (2)**

Pre-requisite(s): AVS 3235 and AVS 4237  
 Flight training, fundamental knowledge, and a consistent flight schedule required for earning the Multi-Engine Instructor Certification. Includes preparation for the FAA Multi-Engine Instructor license practical test.

**AVS 4265 CFI-I Helicopter Flight (2)**

Pre-requisite(s): A grade of C or better in AVS 3464  
 Flight training in preparation for the FAA Certified Flight Instructor Instrument Helicopter license.

**AVS 4266 NVG Helicopter Flight (2)**

Pre-requisite(s): A grade of C or better in AVS 4265  
 Flight training in preparation for the FAA Helicopter Night Vision Goggle (NVG) logbook endorsement.

**AVS 4305 Special Topics in Aviation (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
 Study of advanced topics in aviation. This course may be repeated once under a different topic.

**AVS 4306 Instructor - Instrument Ground School (3)**

Pre-requisite(s): AVS 3305  
 Ground school providing the necessary aeronautical knowledge to successfully complete the Federal Aviation Administration (FAA) Certified Flight Instructor - Instrument written exam.

**AVS 4310 Aviation Management (3)**

Application of management concepts to the problems involved in airport operations, national air traffic control and air transportation systems.

**AVS 4314 Advanced Aircraft Systems (3)**

Study of large transport aircraft: turbine engines, pressurization, electrical, hydraulic, and fire protection systems. Emphasis on high altitude aerodynamics and performance.

**AVS 4315 Aerodynamics (3)**

Pre-requisite(s): Upper-level standing and Aviation Sciences majors only  
 Aircraft types, theory of flight, aerodynamics of the airplane, aircraft performance, effects of atmospheric conditions on performance, theory of aircraft stability and control, effects of flight loads on aircraft structure.

**AVS 4317 Aerospace Propulsion Systems (3)**

Current aerospace power plants, engines, and associated aircraft systems with an emphasis on power plants encountered during flight and ground training.

**AVS 4318 Avionics System Design (3)**

Cross-listed as ELC 4318  
 See ELC 4318 for course information.

**AVS 4321 Energy Economics (3)**

Cross-listed as ENV 4321  
 See ECO 4321 for course information.

**AVS 4323 The Environment and Economic Analysis (3)**

Cross-listed as ECO 4323, ENV 4323  
 See ENV 4323 for course information.

**AVS 4343 Human Aspects of Unmanned Aircraft Systems (3)**

Pre-requisite(s): AVS 3341  
 Assessment of the limits and skills employed by professional remote pilots in trapping and mitigating errors, as well as analyzing human error and management skills used to detect and stop errors during the day-to-day execution of remote pilot tasks. Exploration into the concepts of decision-making bias, stress, and methods for safely identifying and mitigating risk while making time critical decisions.

**AVS 4344 Safety Management of Unmanned Aircraft Systems (3)**

Pre-requisite(s): AVS 3342  
 Focus on the four pillars of a safety management system to include safety policy, safety risk management, safety assurance, and safety promotion.

**AVS 4375 Crew Resource Management (CRM) in Aviation (3)**

Cognitive processing theory, organizational behavior, interpersonal relationship skills, and other critical behavioral dynamics of professional flight crews.

**AVS 4377 Airport Management (3)**

Pre-requisite(s): Upper-level standing  
 An in-depth overview of the Federal Aviation Regulation Part 139 airport design standard as well as a study of both landside and airside airport business management, utilizing the American Association of Airport Executives' Body of Knowledge modules. Includes a study of the role of the airport in community development.

**AVS 4386 Remote Sensing (3)**

Cross-listed as BIO 4386, ENV 4386, GEO 4386  
 See GEO 4386 for course information.

**AVS 4390 Internship in Aviation (3)**

Pre-requisite(s): Upper-level standing and consent of instructor  
Supervised work within the aviation industry corresponding with the student's major and career goals. May be repeated for a total of six semester hours provided professional setting is different.

**AVS 4395 CFI Practicum - I (3)**

Pre-requisite(s): Departmental approval required  
Aviation capstone course that synthesizes and integrates previous learning to facilitate the students' transition to the professional world.

**AVS 4396 CFI Practicum - II (3)**

Pre-requisite(s): AVS 4395  
Aviation capstone course that continues integrating previous dual flight instruction while further honing flight skills and professionalism for transition to the professional world.

**AVS 4485 Introduction to Geographic Information Systems (4)**

Cross-listed as ENV 4384, ENV 4485, GEO 4485  
See GEO 4485 for course information.

**AVS 4487 Advanced GIS Analysis (4)**

Cross-listed as AVS 4387, ENV 4487, GEO 4487  
See ENV 4487 for course information.

**AVS 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Baylor Interdisciplinary Core (BIC)

**BIC 1112 Examined Life (1)**

Co-requisite(s): BIC 1313, BIC 1314  
Pre-requisite(s): Students must be accepted into the Baylor Interdisciplinary Core Program to enroll  
New Student Experience course explores interconnected aspects of human flourishing and invites first-year students to reflect critically upon their lives as a part of a global community of which the university is a microcosm. Students engage theories of human development and wellness to encourage greater intellectual, physical, emotional, social, and spiritual awareness. The course will introduce students to the goals, structure, and rational.

**BIC 1313 World of Rhetoric I (3)**

Co-requisite(s): BIC 1112, BIC 1314  
Pre-requisite(s): Students must be accepted into the Baylor Interdisciplinary Core Program to enroll in BIC 1313  
Emphasizes those principles essential to the production of clear and effective informative and persuasive/argumentative communication. Assignments will include communication exercises designed to engage students in activities that develop critical thinking, logical reasoning, and effective communication skills. Course work will include the writing of informative, persuasive, and critical essays and the presentation of informative and persuasive speeches. Thematically linked with the other first semester courses in the BIC, the course units are designed to provide students with the written and oral communication skills necessary to function effectively in university courses both within and outside of the Interdisciplinary Core.

**BIC 1314 World Cultures I: Roots of Culture (3)**

Co-requisite(s): BIC 1112, BIC 1313  
Pre-requisite(s): Students must be accepted into the Baylor Interdisciplinary Core Program to enroll  
Embraces the period from the dawn of civilizations to 500 A.D. The course is arranged chronologically and seeks to widen views of our own culture by studying selected early civilizations and their values. Original sources will be selected from such cultures as the prehistoric, Mesopotamian, Chinese, Hebrew, Greek, early Christian, and Roman. By reading and studying original texts and objects from these cultures, students will be exposed to widely differing views of what it means to be human. They will also have the opportunity to refine critical writing and speaking skills. The course will provide students with the broad cultural and historical context in which they may examine their own identities.

**BIC 1323 World of Rhetoric II: Rhetoric in Context (3)**

Co-requisite(s): BIC 1324  
Pre-requisite(s): BIC 1313  
Focuses on the continued development of critical reading, thinking, and writing skills by building on the instruction and content of BIC 1313, The World of Rhetoric I: Writing and Speaking. Throughout the course students will engage in the reciprocal process of reading, responding to, and analyzing the rhetorical strategies and arguments presented by a variety of significant authors from different time periods. Major assignments will require increasingly complex writing tasks, from presenting a factual summary of a single essay through preparing a multiple-source research project.

**BIC 1324 World Cultures II: Religion and Culture (3)**

Co-requisite(s): BIC 1323  
Pre-requisite(s): BIC 1314  
A study organized around several major themes including the medieval world and its ideals, both in the West and East, and the new technological, scientific, and social forces that emerged to challenge these ideals. The first theme explores the medieval unity and its expressions in selected works of art, music, and literature. The second relates to the rise of mercantilism and urbanism, and especially to key discoveries in science. World geography will provide a key component of the course. The development or refinement of critical thinking, writing, and speaking skills will be fundamental goals.

**BIC 2330 Social World I: The City and the Soul (3)**

Co-requisite(s): BIC 2334  
Pre-requisite(s): BIC 1324  
This course studies classic works from the ancient and medieval traditions of social and political thought up to the modern rejection of those traditions inaugurated by Machiavelli. Ancient and medieval thinkers typically conceived of civic life as involving an ordering of the soul as well as an arrangement of physical conditions and resources, while early moderns like Machiavelli promote a realism dominated by the concepts of material self-interest and bodily security. With this course, we thus seek to put in place a framework to facilitate our own reconsideration of the famous "quarrel between the ancients and the moderns" on perennial questions of social and political organization. Representative texts include Aristotle's *Politics* and *Ethics*, Cicero's *de Republica*, Augustine's *City of God*, Aquinas' *On Kingship*, and John of Salisbury's *Policraticus*, in addition to Machiavelli's *Prince* and Discourses on Livy.

**BIC 2334 World Cultures III: The Modern World (3)**

Co-requisite(s): BIC 2330

Pre-requisite(s): BIC 1324

Focuses on the scientific revolution and continuing advances in the sciences, and on revolutionary ideas in other areas of human experience—political, religious, social, artistic, and economic. The course will explore efforts of the modern mind to respond creatively to the tensions created by these changes, including the tension between religious and naturalistic world views, the tension between the vast extension of knowledge and the increasing recognition of its limits, the tension between individuality and community, and the tension between the experience of fragmentation and the quest for wholeness.

**BIC 2340 Social World II: The Conditions and Possibilities of Human Fulfillment (3)**

Co-requisite(s): BIC 2344

Pre-requisite(s): BIC 2330

This course studies classic modern works of western social and political thought that have played a formative role in the rise of modern political life and contemporary social conscience. In works by Hobbes and Locke, for example, we explore the origins of contemporary liberal democracy and consider the initial efforts to formulate a social science on the model of modern natural science. In works by Rousseau and Marx, we encounter the first great critical assessment of modern liberalism and examine its impact on the political landscape of modernity as well as on the study of social and political life. Utilizing the framework erected in the previous semester (Social World I), we also continue our mediation of the famous "quarrel between the ancients and the moderns" on certain perennial questions of human existence. Representative texts include Hobbes' *Leviathan*, Locke's *Letter Concerning Toleration* and *Second Treatise*, Rousseau's *Social Contract*, Smith's *Wealth of Nations*, Marx's *German Ideology*, and Weber's *The Protestant Ethic and the Spirit of Capitalism*.

**BIC 2344 World Cultures IV: The United States in the World (3)**

Co-requisite(s): BIC 2340

Pre-requisite(s): BIC 2334

Concentrates on the United States and on its experience within the broader global framework. The focus will be the historical development of the nation, including its origins, its regional traditions, its spread westward, its movement into global markets in the twentieth century, and its cultural pluralism. Emphasis will also be placed upon the elements that have made for community in the United States and upon the linkages of United States historical and cultural development with the broader global themes portrayed in World Cultures III.

**BIC 2437 The Natural World I: Primary Ideas in Science (4)**

Pre-requisite(s): BIC 1323 and 1324

The first course of a two-semester sequence encompassing lecture and laboratory experiences that emphasize the foundations of natural science, science as a way of knowing, and the uses of science. Historical influences on the development of science and the interrelationship between science and culture will be explored. Lecture and laboratory material in *The Natural World* will be integrated. Laboratories will involve hands-on, discovery-based learning which will lead the student to make connections between observation and interpretation of natural phenomena through critical thinking and will seek to provide students with an understanding of the scientific method, hypothesis formulation and testing, collection of data, analysis of data, and interpretation of data in the context of hypotheses.

**BIC 2447 The Natural World II: Global Science Issues (4)**

Pre-requisite(s): BIC 2437

A continuation of *The Natural World I*.**BIC 3358 Examined Life II: Biblical Heritage and Contemporary Ethical Issues (3)**

Pre-requisite(s): BIC 2340 and 2344

In-depth study of selected texts from the Old and New Testaments and examination of the approaches and resources used today and throughout Christian history in such study. Biblical perspectives on such ethical issues as human rights, environmental concerns and resource allocation will be examined to provide a bridge between the literary/cultural settings of the Bible and contemporary human experience and decision making.

**BIC 4374 World Cultures V: Differing Visions and Realities (3)**

Pre-requisite(s): BIC 3358

Explores differing visions and realities in a selected sample of non-Western cultures. The initial interdisciplinary study will reveal themes that transcend cultural differences. Students will then investigate the expression of these themes in a culture fundamentally different from their own.

**BIC 4389 Examined Life III Capstone: Special Topics (3)**

Pre-requisite(s): BIC 3358

Synthesizes learning in two or more disciplines, or in some way connects modes or areas of learning not normally connected. This capstone course represents the culmination both of the Baylor Interdisciplinary Core experience and of the undergraduate experience. By integrating learning, and application, this course will bridge the gap between undergraduate life and life after graduation, leading students to form connections between their lives in the university and their lives in the wider community. The course will include significant written and oral projects. Religion majors and minors must repeat course once under a different topic.

## Bioinformatics (BINF)

**BINF 1095 Bioinformatics First-year Seminar (0)**

Pre-requisite(s): Restricted to Bioinformatics majors

The Bioinformatics First-Year Seminar is designed to assist new students in making a successful transition from learning in high school (or from another college) to learning at Baylor. Students are guided to accept responsibility for their learning and to understand practices and values that will impact their undergraduate experience; to further instill practicing values that will lead to academic success; and to connect with other new students and faculty members in the department and across campus for the main purpose of helping them be successful in the department of Computer Science, Baylor, and beyond.

**BINF 3350 Genomics and Bioinformatics (3)**

Cross-listed as BIO 3350

Pre-requisite(s): BIO 2306

The overall objective of this course is to familiarize students with concepts in genomics, proteomics, systems biology and bioinformatics. Upon course completion students will be able to properly identify appropriate software for use in solving biologically relevant questions. Individuals will also be able to use software efficiently to address questions and maintain a reasonable web presence.

**BINF 3360 Introduction to Computational Biology (3)**

Pre-requisite(s): BINF 3350 and CSI 3344

An introduction to the computable issues in biology. Assignments will focus on gaining competency in the use of bioinformatics applications, algorithm design, Perl programming, protein structure modeling, and genome annotation.



**BINF 3V96 Bioinformatics Internship Experience (1-3)**

Pre-requisite(s): BINF 3350 and 3360; Consent of instructor  
Department arranged/approved summer intern work experience in bioinformatics-related position. Includes a minimum of eight weeks of employment.

**BINF 43C9 Bioinformatics Senior Capstone Project (3)**

Pre-requisite(s): Senior standing  
Minimum grade of C in both CSI 3335 and BINF 3360. A semester-long project course in which students will create a bioinformatics computing system. The project requires applying information technology according to established design management practices, including technical presentations (oral and written) by all students.

## Biology (BIO)

**BIO 1102 Introductory Microbiology Laboratory (1)**

Co-requisite(s): BIO 1302  
Pre-requisite(s): Credit or concurrent enrollment in BIO 1302  
Isolation, culture, morphology, and biochemical activities of microorganisms. Aseptic technique, microbiological staining, environmental sampling, and identification of unknown organisms will be covered. Does not count toward a major in Biology.

**BIO 1103 Human Ecology Lab: Our Place in Nature (1)**

Pre-requisite(s): Credit for or concurrent enrollment in BIO 1303  
Laboratory experiments illustrating topics in human ecology such as biodiversity, population growth, and conservation.

**BIO 1105 Modern Concepts of Bioscience Laboratory (1)**

Pre-requisite(s): BIO 1305 or concurrent enrollment  
Laboratory experiments illustrating modern concepts in the biological sciences, with emphasis on cell biology, metabolism, and genetics. A student will be granted a maximum of two attempts (where an earned grade or a "W" notation counts as an attempt) to earn a higher grade in BIO 1105 in order to fulfill a prerequisite or a course requirement for a degree, major, or minor.

**BIO 1106 Modern Concepts of Bioscience Laboratory (1)**

Pre-requisite(s): BIO 1306 or concurrent enrollment  
Laboratory experiments illustrating modern concepts in the biological sciences, with emphasis on morphology, general physiology, and ecology. A student will be granted a maximum of two attempts (where an earned grade or a "W" notation counts as an attempt) to earn a higher grade in BIO 1106 in order to fulfill a prerequisite or a course requirement for a degree, major, or minor.

**BIO 1125 Biological Research Preparedness (1)**

An examination of the types of biological research, including an introduction to the research faculty and facilities of the Department of Biology, experimental design, safety and ethics in research, analysis of scientific data, and writing in the sciences. A discussion of career planning is included.

**BIO 1302 Introductory Microbiology (3)**

Co-requisite(s): BIO 1102  
Pre-requisite(s): Credit for college-level biology or chemistry course (includes AP and/or IB credit) or consent of instructor  
Credit or concurrent enrollment in BIO 1102. Introduction to microbiology including the study of microbial growth, control of growth, microbial genetics, virulence factors, epidemiology, and the wide variety of contributions microbes make to quality of life. Does not count toward a major in biology.

**BIO 1303 Human Ecology: Our Place in Nature (3)**

Ecological issues in the media, including ecosystems and biodiversity. For non-majors.

**BIO 1305 Modern Concepts of Bioscience (3)**

Unifying principles common to all levels of biological organization, with emphasis on cell biology, metabolism, and genetics. BIO 1305 is not a prerequisite for BIO 1306. A student will be granted a maximum of two attempts (where an earned grade or a "W" notation counts as an attempt) to earn a higher grade in BIO 1305 in order to fulfill a prerequisite or a course requirement for a degree, major, or minor.

**BIO 1306 Modern Concepts of Bioscience, continued (3)**

Pre-requisite(s): BIO 1305 and BIO 1105; or BIO 1405 all with a C or better  
Continuation of the study of biological concepts with emphasis on morphology, general physiology, evolution, and ecology. A student will be granted a maximum of two attempts (where an earned grade or a "W" notation counts as an attempt) to earn a higher grade in BIO 1306 in order to fulfill a prerequisite or a course requirement for a degree, major, or minor.

**BIO 1401 Current Issues in Human Biology (4)**

An introductory course for non-biology majors examining biological issues in the current media, focusing primarily on the human subject.

**BIO 1405 Investigations of Modern Biology Concepts I (4)**

Pre-requisite(s): Consent of instructor  
Biological concepts with emphasis on cell biology, metabolism, and genetics. Students will work in small groups on inquiry-based projects in the area of microbiology, genetics, molecular biology, and genomics. Credit may not be received after receiving credit in BIO 1305 and BIO 1105. A student will be granted a maximum of two attempts (where an earned grade or a "W" notation counts as an attempt) to earn a higher grade in BIO 1405 in order to fulfill a prerequisite or a course requirement for a degree, major, or minor.

**BIO 1406 Investigations of Modern Biology Concepts II (4)**

Pre-requisite(s): Consent of instructor  
Biological concepts with emphasis on morphology, general physiology, evolution, and ecology. Includes field trips and small-group, hypothesis-based projects that will require outside class time. Credit may not be received after receiving credit in BIO 1306 and BIO 1106. A student will be granted a maximum of two attempts (where an earned grade or a "W" notation counts as an attempt) to earn a higher grade in BIO 1406 in order to fulfill a prerequisite or a course requirement for a degree, major, or minor.

**BIO 1V90 Individual Topics (1-9)**

Pre-requisite(s): Consent of instructor and department chair  
For undergraduates who wish to study individual topics not available in formal courses of the department. Directed reading, independent study or research, supervised library, laboratory or fieldwork, or presentation of material. Open project, which must be approved by the director. May be repeated once when different topics are studied.

**BIO 1V9R Research (3)**

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.



**BIO 2106 Genetics Laboratory (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and BIO 2306 or concurrent enrollment in BIO 2306

Laboratory studies illustrating the principles of genetics in living organisms.

**BIO 2201 Biology of Global Health (2)**

Pre-requisite(s): BIO 1105 and 1305, or BIO 1405; and BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Explores the interdisciplinary nature of global health challenges and identifies biological principles that explain the emergence, virulence, and spread of infectious diseases.

**BIO 2306 Genetics (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Basic principles of genetics including Mendelian inheritance, molecular genetics, and population genetics.

**BIO 2401 Human Anatomy and Physiology of Motion and Innervation (4)**

Pre-requisite(s): CHE 1300 or 1301; or consent of instructor

The organization and movement of the human body and mechanisms for maintaining homeostasis via innervation. Topics include the integumentary, skeletal, muscular, and nervous systems. Emphasis is placed on the integration of systems as they relate to normal health. Designed for students who will pursue a career in nursing, nutrition science, and other health fields. Will not apply toward requirements for a major in biology.

**BIO 2402 Human Anatomy and Physiology of Metabolism and Processing (4)**

Pre-requisite(s): CHE 1300 or 1301 and credit for college-level BIO course (includes AP and/or IB credit)

The organization of the human body as related to metabolic processes and reproduction. Topics include the endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems. Aspects of development and inheritance are also covered. Will not apply toward requirements for a major in biology.

**BIO 2V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**BIO 3100 Seminar in Biology (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and junior or senior level standing or consent of instructor  
Contemporary topics in biological sciences. Requirements may include directed readings and discussions of advanced topics in biology, attendance at public seminars, presentations, and preparation of a research paper.

**BIO 3103 Ecology Laboratory (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 3303 or concurrent enrollment in BIO 3303

Field and laboratory experiences in ecological investigations.

**BIO 3110 Biology Education Theory (1)**

Co-requisite(s): BIO 3111

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of B or better  
Instructor approval required. Must also enroll in BIO 3111. Pedagogy course that integrates current learning theory and evidence-based teaching for the Learning Assistant Program.

**BIO 3111 Learning Assistant Planning and Practice (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of B or better  
Credit or concurrent enrollment in BIO 3110. Instructor approval required. Application of pedagogical techniques developed in BIO 3110 through the design of active learning content and the practice of student engagement in a classroom setting. May be repeated once for credit.

**BIO 3122 Human Physiology Lab (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and credit or concurrent enrollment in BIO 3322

Laboratory applies conceptual ideas through the collection and analysis of real time human data, including reaction times, electrocardiograms, electromyograms, spirometry and urinalysis.

**BIO 3124 Laboratory for Entomology (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and credit or concurrent enrollment in BIO 3324; upper-level standing, and consent of instructor

Collection, preservation, identification of insects. Collection required.

**BIO 3300 Advanced Topics in Biology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Advanced topics in biology not covered in other biology courses. Can be repeated once for credit if topic is different.

**BIO 3303 Ecology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Lectures and discussions that illustrate the basic concepts in evolutionary, behavioral population, community, ecosystem, and conservation ecology.

**BIO 3315 Introduction to Environmental Health (3)**

Cross-listed as ENV 3314

See ENV 3314 for course information.

**BIO 3320 Climate Change Biology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Biological and conservation responses to human-induced climate change, emphasizing the climate system, past climate influences, range shifts, phenological changes, extinction, predictive modeling, connectivity and landscape management, reduction of greenhouse gas emissions, and extinction risk from climate change solutions.

**BIO 3322 Human Physiology (3)**

Pre-requisite(s): Overall GPA of 3.0 or better

Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better. Basic physiologic principles and concepts associated with the normal function of human cells, tissues, organs, and organ systems. This course is intended for the pre-profession student who requires a complex survey of human physiology.

**BIO 3324 Entomology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and upper-level standing or consent of instructor  
Taxonomy, morphology, physiology, and behavior of insects.

**BIO 3330 Medical Genetics (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 2106 and 2306; all with grades of C or better  
Study of Mendelian principles applied to humans, genetic defects, chromosomal aberrations, biochemical disorders, pedigrees, and probability. Genetic diagnostic techniques, gene therapy, genetic engineering, genetic counseling and the social, ethical, and legal problems associated with recent advances in genetics will be addressed.

**BIO 3341 Marine Field Studies (3)**

Cross-listed as GEO 3341  
See GEO 3341 for course information.

**BIO 3342 Molecular Cell Biology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 2306 all with grades of C or better  
Students who already have credit for BIO 4307, BIO 4308, or CHE 4341 are not eligible to enroll in BIO 3342. Cell structure and function at the cellular and molecular levels. Topics include molecular components of cell membranes, membrane-bound organelles, cytoskeleton, cell division, gene regulation, and principles of bioenergetics.

**BIO 3350 Genomics and Bioinformatics (3)**

Cross-listed as BINF 3350  
See BINF 3350 for course information.

**BIO 3366 Foundations of Evolutionary Biology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and BIO 2306 or consent of instructor  
Comprehensive survey of evolutionary biology, including a fundamental framework to address causative issues in the biological sciences, and an understanding of the basic processes contributing to biological diversification.

**BIO 3429 Comparative Chordate Anatomy (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Structural, functional, and evolutionary relationships of the chordates, particularly vertebrates.

**BIO 3435 Invertebrate Paleontology (4)**

Cross-listed as GEO 3435  
See GEO 3435 for course information.

**BIO 3V90 Individual Topics (1-6)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and consent of instructor and department chair  
Individual topics not available in formal courses of the department. May include independent study or research, directed reading, supervised library, laboratory, or fieldwork, or presentation of material. Open to all undergraduates. Prior to registration the student will choose a project that must be approved by the director. May be repeated when different topics are studied. A maximum of 3 semester hours of Individual Topics may apply toward a major in biology.

**BIO 3V9R Research (3)**

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**BIO 4001 Achievement Test (0)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and senior standing or consent of instructor  
Biology achievement test for seniors given during fall and spring semesters. A minimum score is required to receive credit.

**BIO 4102 General Microbiology Lab (1)**

Co-requisite(s): BIO 4302  
Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better  
Laboratory experiments and techniques to culture microorganisms. Analyses of biochemical tests, quantitative and qualitative procedures, and identification of unknown organisms.

**BIO 4104 Medical Entomology Laboratory (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; upper-level standing and credit or concurrent enrollment in BIO 4304, or consent of instructor  
Collection, preservation, identification, taxonomy and biology of medically important arthropods, especially insects. Survey collection required for graduate credit.

**BIO 4105 Aquatic Ecosystems Laboratory (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 3303; all with grades of C or better; and credit or concurrent enrollment in BIO 4305  
Laboratory experience in basic field and laboratory methodologies for the study of aquatic ecosystems. Overview of collection, analysis and interpretation of physical, chemical and biological variables commonly used in the field.

**BIO 4106 Molecular Genetics and Genomics Laboratory (1)**

Co-requisite(s): BIO 4306  
Pre-requisite(s): Either BIO 2306 or CHE 4341; each with a grade of C or better  
Individual and group projects in computational genomic and genetic analysis using supplied datasets

**BIO 4108 Genes and Development Laboratory (1)**

Co-requisite(s): BIO 4308  
Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and BIO 2306  
Modern experimental techniques of developmental biology.

**BIO 4109 Advanced Study of Genes and Development (1)**

Pre-requisite(s): BIO 4108; consent of instructor required  
Experimental techniques of genetics and developmental biology such as genome editing and genotyping taught through laboratory exercises. Includes an independent research project resulting in a publishable manuscript.

**BIO 4117 Plant Physiology Lab (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and BIO 1306, or BIO 1406; all with grades of C or better; and credit or concurrent enrollment in BIO 4317  
Laboratory experiments illustrating modern concepts in plant physiological research, with emphases on form, function relationships, technological innovations, and organismal adaptation.

**BIO 4123 Laboratory for Parasitology (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; credit or concurrent enrollment in BIO 4323 and consent of instructor; and upper-level or graduate standing

Detection and identification of human parasite diagnostic forms. Power Point presentation required for graduate credit.

**BIO 4199 Scientific Communication (1)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Examination of various methods of scientific communication with critical analysis and evaluation of scientific presentations and the current scientific literature.

**BIO 4301 Immunology (3)**

Pre-requisite(s): BIO 2306 and one of the following: BIO 3342, 4306, 4308, or CHE 4341; all with grades of C or better

Basic principles of resistance to disease, host-antigen interactions, immunologic response mechanisms, immunologic techniques, and correlations of disease and the immune response.

**BIO 4302 General Microbiology (3)**

Co-requisite(s): BIO 4102

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

An introduction to the major areas of microbiology, including microbial morphology, metabolism, genetics, evolution, taxonomy, ecology, and disease.

**BIO 4304 Medical Entomology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; upper-level standing or consent of instructor

Identification, biology, and management of arthropod pests, especially insects, transmitting diseases affecting man, livestock and wildlife.

**BIO 4305 Aquatic Ecosystems (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 3303; all with grades of C or better

Major aquatic ecosystems including oceans, estuaries, rivers, streams, lakes, reservoirs, ponds and wetlands. Addresses the fundamental physical, chemical and ecological factors that govern the structure and function of each ecosystem.

**BIO 4306 Molecular Genetics and Genomics (3)**

Co-requisite(s): BIO 4106

Pre-requisite(s): Either BIO 2306 or CHE 4341, each with a grade of C or better

Techniques and strategies central to the analysis of genomic and genetic experimental data with emphasis on experimental design. Training in computational methods such as R and Unix; no previous computing experience is required.

**BIO 4307 Biochemistry and Physiology of the Cell (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and CHE 3331 or consent of instructor; and credit or concurrent enrollment in BIO 2306

The roles of biologically important molecules in cellular structure and function, emphasizing an integrated understanding of the characteristic of the four major classes of biological molecules and the chemical interactions that support living systems. May not receive credit for both BIO 4307 and CHE 4341.

**BIO 4308 Genes and Development (3)**

Co-requisite(s): BIO 4108

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 2306; all with grades of C or better

Examination of mechanisms that regulate the development of multicellular organisms using biochemical genetic and cell biological approaches. Investigates the role that gene regulation, cell-cell communication, cell adhesion, cell motility, signal transduction, and intracellular trafficking play in the commitment, differentiation and assembly of stem cells into specialized cell types and organs.

**BIO 4310 Biogeography (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Patterns of geographic distributions of animals and plants, and the physical and biological factors, and processes affecting geographic distributions.

**BIO 4312 Viruses and Global Health (3)**

Pre-requisite(s): Either BIO 1105 and 1305 or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; and BIO 2306; all with grades of C or better

Examines virus classification, host cell infection and defenses, and how viruses cause disease in humans and animals. Emphasis placed on how viral epidemics influences history and religion, viral emergence and re-emergence in new locations, zoonotic viruses, the development of antivirals and vaccines, as well as the impact on public health and agriculture.

**BIO 4317 Plant Physiology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Experimental studies of important physical and chemical processes related to plant function.

**BIO 4320 Pathophysiology (3)**

Pre-requisite(s): BIO 3322 with a grade of B or better

Pathophysiology of disease with emphasis on immunology, communicable disease, neoplasia, heredity, congenital problems, and degeneration as expressed in each organ system.

**BIO 4323 Parasitology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; upper-level or graduate standing or consent of instructor

Introduction to study of parasites and vectors, emphasizing life cycles and control of those affecting humans. Research paper required for graduate credit.

**BIO 4331 Science Leadership: Community-Based Research (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and upper-level standing and consent of instructor

Development of science leadership skills through community-based research problems.

**BIO 4333 Science Leadership: Improvement of Science Education (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and upper-level standing and consent of instructor

Development of science leadership skills through community-based research on improvement of science education.

**BIO 4339 Advanced Marine Field Studies (3)**

Cross-listed as GEO 4339

See GEO 4339 for course information.

**BIO 4344 Fundamentals of Toxicology (3)**

Cross-listed as ENV 4344

See ENV 4344 for course information.

**BIO 4350 Pathogenic Microbiology (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and BIO 4401

Introduction to medically relevant pathogens with an emphasis on bacterial pathogenesis.

**BIO 4354 Neglected Tropical Diseases (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Core principles in genetics and cellular and molecular biology to understand the causation, pathogenesis, and control of the major neglected tropical diseases, defined as a group of poverty-promoting chronic infectious diseases.

**BIO 4365 Topics in Evolution (3)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and BIO 2306 or consent of instructor

Processes which establish or eliminate variation in populations and how these mechanisms affect biological diversity.

**BIO 4381 Restoration Ecology (3)**

Cross-listed as ENV 4380

See ENV 4380 for course information.

**BIO 4386 Remote Sensing (3)**

Cross-listed as AVS 4386, ENV 4386, GEO 4386

See GEO 4386 for course information.

**BIO 4405 Limnology (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Lecture, laboratory, and field studies of lakes and streams. Emphasis on analysis and interpretation of physical, chemical, and biological factors relating to metabolism and production of aquatic communities. Overnight trips may be required.

**BIO 4406 Aquatic Biology (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Laboratory and field studies of lakes, streams, and estuaries. Primarily for advanced students of zoology and botany who are interested in aquatic organisms and their ecology. Emphasis is on collection, preservation, and identification of all aquatic biota except fishes. Overnight trips may be required.

**BIO 4415 Human Evolutionary Anatomy (4)**

Cross-listed as ANT 4416

See ANT 4416 for course description.

**BIO 4416 Plant Anatomy (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Anatomy of seed plants, with emphasis on structure-function relationships that occur during growth and development.

**BIO 4418 Biology of Wetland and Aquatic Vascular Plants (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and any taxonomic course

Taxonomy, ecology, structure, distribution, and economic significance of aquatic vascular plants.

**BIO 4420 Biology of the Vertebrates (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

An introduction to the biology of the vertebrates, emphasizing recognition and classification of modern taxa, adaptations to diverse lifestyles, and importance to humans in context of diseases, domestication and conservation.

**BIO 4422 Ichthyology (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Fish fauna of the area with emphasis on morphology, ecology, economics, and systematics. Overnight trips may be required.

**BIO 4426 Vertebrate Histology (4)**

Pre-requisite(s): BIO 3322 with a grade of C or better

Microscopic structure of vertebrate tissues and organs.

**BIO 4427 Biology of Mammals (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

An introduction to the biology of mammals, emphasizing recognition and classification of modern taxa, adaptations to diverse lifestyles, and importance to humans in context of diseases, domestication and conservation.

**BIO 4428 Ornithology (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better

Evolution, morphology, physiology, behavior, reproduction, ecology, geography, and migration of birds of the world. Includes field identification of Central Texas species.

**BIO 4430 Vertebrate Paleontology (4)**

Cross-listed as GEO 4430

Pre-requisite(s): Consent of instructor

Evolutionary history and biogeography of vertebrate animals, based primarily on fossil evidence. Laboratory activities include study of fossil material, field excavations, and visits to museums.

**BIO 4431 Comparative Vertebrate Physiology (4)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and upper-

level standing; or consent of instructor

Vertebrate physiology in a comparative evolutionary context. Emphasis on general principles, with unique examples supplied from all major vertebrate taxa.

**BIO 4432 General Human Anatomy (4)**

Pre-requisite(s): Overall GPA of 3.0 or better

Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better. The organs and systems of the human body emphasizing relationships between structure, function, development and microscopic anatomy.



**BIO 4V04 Biology Field Studies (1-9)**

Pre-requisite(s): Either BIO 1105 and 1305, or BIO 1405; and either BIO 1106 and 1306, or BIO 1406; all with grades of C or better; and consent of instructor

Organisms, environments, and methods of field study. Available for one to four hours of credit, with each hour of credit corresponding to one week of study in field. Four hours required to satisfy field course requirement.

**BIO 4V75 Clinical Laboratory Science Internship (6-12)**

Pre-requisite(s): Consent of instructor; for Clinical Laboratory Science majors only

Highly intensive clinical training at an affiliated institution in preparation for national certification as a clinical laboratory scientist. A grade of "C-" or better is required for course credit. Can be taken for 6 to 12 hours per semester for a maximum of 4 times with a total of no more than 42 hours.

**BIO 4V90 Advanced Research Project (1-3)**

Pre-requisite(s): 3 hours of BIO 3V90, upper-level standing, consent of instructor and department chair

Independent research project conducted under the supervision of a faculty member. May be repeated for a total of 3 hours. Presentation of the project required at the end of each semester. Presentation and defense of thesis required for third semester hour.

**BIO 4V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Biomedical Engineering (BME)

**BME 4353 Image Formation and Processing (3)**

Cross-listed as ELC 4353

See ELC 4353 for course information.

**BME 4357 Cardiovascular Engineering and Instrumentation (3)**

Cross-listed as EGR 4357, ELC 4357, ME 4357

Pre-requisite(s): A grade of C or better in EGR 3380 or consent of instructor

A quantitative approach to the function and performance of cardiovascular elements, including ECG signal generation, blood flow rheology, and ventricular/vessel wall mechanics. Principles of measurement instrumentation including Fick dilution, ultrasound, and magnetic resonance imaging are explored. Major implant types are examined as well as FDA submission pathways.

**BME 4370 Biomaterials: Form and Function (3)**

Pre-requisite(s): A grade of C or better in ME 3320 and 3322

A traditional mechanical/materials engineering approach will be used to explore the structure and function relationship of naturally occurring biological materials. Emphasis is on mechanical design and function with some discussion of physical properties. Materials used in medical devices will be compared and contrasted with naturally occurring biomaterials.

**BME 4372 Bioinstrumentation (3)**

Cross-listed as ELC 4372

See ELC 4372 for course information.

**BME 4374 Biomechanics (3)**

Pre-requisite(s): A grade of C or better in ME 3320

Introduction to biomechanics. Topics covered include: review of fundamental principles of mechanics, human musculoskeletal physiology and anatomy, properties of biological materials, methods and practice of measuring biological signals, biomechanical modeling and simulation, and applications of biomechanical study.

**BME 4376 Introduction to the Design and Evaluation of Medical Devices (3)**

Pre-requisite(s): A grade of C or better in EGR 3380 Project-based introduction to medical device design and evaluation

Topics to be covered include: clinical needs finding, design criteria generation, basic anatomy, design evaluation, prototyping, regulatory process, intellectual property, and validation process. Students will work in teams to address a real medical problem.

**BME 4378 Introduction to Biosensors (3)**

Cross-listed as ELC 4378

See ELC 4378 for course information.

**BME 4396 Special Topics in Biomedical Engineering (3)**

Pre-requisite(s): Consent of department chair

Study of advanced topics in biomedical engineering. This course may be repeated once under a different topic.

**BME 4452 Biomedical Digital Signal Processing (4)**

Pre-requisite(s): A grade of C or better in ELC 3335 and STA 3381

Discrete-time signals and systems, sampling theory, z-transforms, spectral analysis, filter design, applications, analysis, and design of digital signal processing systems. Laboratory emphasis on biomedical applications of digital signal processing. Credit cannot be earned for ME 4452 if credit is earned for ELC 4451.

**BME 4V97 Special Projects in Biomedical Engineering (1-6)**

Pre-requisite(s): Consent of department chair

Advanced topics and/or special project activities in biomedical engineering.

## Business (BUS)

**BUS 1101 Connect to Hankamer School Bus (1)**

Pre-requisite(s): Only open to pre-business majors

An introductory course designed to facilitate the transition of first-year business students to the Hankamer School of Business (HSB). The course will include expert panels, guest speakers, alumni, faculty, and student guests, and provide exposure to HSB programming, build relationships within HSB, enhance the opportunity for academic success, and connect students with HSB. Selected topics include: role of the HSB curriculum, success in the Business School, HSB programming, business majors, building a professional portfolio, introduction to career services, and the importance of networking.

**BUS 1201 Introduction to Business (2)**

Pre-requisite(s): Open only to students with 89 hours or less

An introductory course designed to increase the business and financial literacy of pre-business majors and lay a strong foundation for business ethics. Interactive, hands-on simulations and daily readings increase business and financial literacy. Working with the Baylor University Honor Code and various corporate codes of ethics improve both personal and professional ethics. Regular visits from Baylor alumni are a key component of the course.

**BUS 1305 Software Applications for Personal Productivity (3)**

Pre-requisite(s): Not open to BBA students

This course cannot count toward the BBA degree. Introduces and develops foundational skills in applying business productivity tools to everyday tasks. Focus is on business productivity software applications, including word processing, spreadsheets, databases, and presentation graphics. Includes modules on hardware, software, cybersecurity, and networks/Internet..



**BUS 1350 Software Applications for Business Productivity and Decision-Making (3)**

Pre-requisite(s): Only open to BBA students

A hands-on course designed to familiarize students with current software application tools used by business professionals – such as spreadsheets and databases – that are essential to helping managers organize, store, analyze, share, and present data to help promote effective business decision-making.

**BUS 2101 Career Management (Assessment & Discovery) for Undergraduate Students (1)**

Pre-requisite(s): Cumulative GPA of 3.0 or higher; a minimum grade of C in BUS 1101; only open to BBA students

This course consists of a variety of career exploration and development experiences designed to help students identify their passion; prioritize and focus their job search efforts; and develop their leadership, communication, and personal marketability. Topics include self-assessment; career passion discovery; career exploration and development exercises; and interview training to assist in finding rewarding internships and full-time jobs.

**BUS 2222 Introduction to Energy Commerce (2)**

Pre-requisite(s): BUS 1201 or ECO 1380 with a grade of "B" or better  
The energy industry in the United States and the world. Fossil fuels (oil, natural gas, and coal), renewables (solar, wind, biomass, hydropower), current events, and environmental/regulatory issues. Analysis of major companies, sources of information, and career opportunities.

**BUS 3101 Career Management (Strategy & Success) for Undergraduate Students (1)**

Pre-requisite(s): A minimum grade of C in BUS 2101

Only open to BBA students, excluding Pre-business majors. This course consists of a variety of career exploration and development experiences designed to prioritize and focus the students' job search needs; and develop the students' leadership, communication, and personal marketability. It will introduce networking skills, company (prospective employer) analysis, internship/job analysis and search strategy, interviewing skills, and negotiation techniques to maximize the students' new-hire potential. Credit may not be received after receiving credit in ACC 3101.

**BUS 3302 Personal Financial Decisions (3)**

Pre-requisite(s): Upper-level standing; a minimum GPA of 2.75; not open to BBA students

Basic personal financial management. Principal topics include personal financial statements (balance sheet and income statement); budgeting and cash management; responsible use of consumer credit; personal income taxes; types of personal insurance; investment alternatives; buying and financing major assets (home, automobile, appliances); and estate planning.

**BUS 3303 Managerial Communications (3)**

This course focuses on communication situations found in business and the work world. It is designed to help students become more successful in their professional lives. It incorporates the wide range of oral communication needed in our ever-growing diverse business and professional cultures. Topics of study and practice include improving presentation skills, overcoming communication apprehension, understanding the challenges of diverse cultures in the workforce, appreciating genderlect, using successful interpersonal skills, working in teams, developing leadership, preparing for ethical challenges, and participating in business dinner etiquette.

**BUS 3310 Multinational Business (3)**

An interdisciplinary introduction to the unique problems and opportunities that face firms engaged in international business, from the point of view of the multinational firm doing business abroad. Special attention is given to the international environment. The course is taught only outside the United States.

**BUS 3315 Business Communications (3)**

Pre-requisite(s): Prerequisite(s): ENG 1304 or ENG 1310 or BIC 1323; Only open to BBA students

This course prepares students for the communication challenges of the twenty-first century workplace. Essential elements of the writing process are covered. Students complete the standard brief transactional messages; follow a structured research process and produce an executive report; and make a professional oral presentation. Job search communication is included with an emphasis on strategic best practices.

**BUS 3330 Cross-Cultural Communications (3)**

Overview of communication differences between cultures and how to successfully adapt global business practices across different cultures. Taught in a global setting it will utilize both organizational and cultural experiences to enhance written and verbal communication skills.

**BUS 3337 The Business Of Professional Sports (3)****BUS 3345 Training and Development in Business and Industry (3)**

Pre-requisite(s): Upper-level standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course focuses on corporate training and its application to professional and staff development within business and industry. Course content includes learning styles, theories, and processes with an emphasis on the practical application to corporate training needs. In small groups, students will assess a training need, design/develop a training activity, and then conduct an actual training session.

**BUS 3350 Christian Ethics Applied to Business (3)**

Pre-requisite(s): Junior standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of how business decisions and actions incorporate ethical issues. Individuals, organizations, economic/political systems and societies are influenced in significant ways by the ethical principles they use when shaping decisions about how to conduct business. The course examines, from a Christian perspective, the ethical foundations, responsibilities, and consequences of business practices in our society. Study includes the use of case studies illustrating the application of ethical theory in situations that students will likely encounter in their careers.

**BUS 4370 Biblical Research Applied to Business (3)**

Pre-requisite(s): Approval of instructor; not open to pre-business students

A search of the scriptures for presuppositions, principles, and propositional statements that have modern business applications. It is independent research with the exchange of Biblical discoveries and discerned applications to ethical and social problems faced in the business world.

**BUS 4380 Business Excellence and Scholarship Team (BEST) (3)**

Pre-requisite(s): Consent of the BEST faculty executive board; not open to pre-business students

BEST is a two-semester program designed to provide an innovative educational experience for selected students in the business school. During the fall semester, students enrolled in BUS 4380 will engage in various activities in close association with numerous Hankamer Business School faculty and community leaders. Proposed activities include an international trip, plant tours, self-assessments, career development exercises, and a weekend survival course. The second component of BEST involves enrollment in a special section of the business policy course (BUS 4385) during the spring.

**BUS 4385 Strategic Management (3)**

Pre-requisite(s): A grade of "C" or better must be earned in FIN 3309 or FIN 3310, BUS 3101 or ACC 3101, MKT 3305, MGT 3305 (or AS 3301 or MILS 3301), and MGT 3325 prior to enrolling in BUS 4385

May not be taken for graduate credit. Only open to BBA students. Not open to Pre-business majors. An integrative capstone course in which materials and techniques are drawn from many disciplines. Areas examined in the course include strategy formulation, implementation, and control from the perspective of the manager. Specific themes throughout the course include interpretation of mission, goals and objectives; competitive analysis, matching the strategic direction of the firm to the organization structure; and the interface between strategy and employees. All topics are explored from both domestic and international firm perspectives.

**BUS 4V95 Energy Commerce Internship (1-6)**

Pre-requisite(s): BUS 2222, Upper-level standing, and consent of instructor

Supervised work within the energy industry corresponding with the student's major and career goals.

**BUS 4V98 Special Studies in Business (1-3)**

Pre-requisite(s): Consent of instructor and associate dean; not open to pre-business students

May be taken for one to three hours credit.

## Business Law (BL)

**BL 3305 Legal Environment of Business (3)**

Pre-requisite(s): Junior Standing

Only open to BBA students. A study of the legal environment including the nature and sources of law, court systems, litigation, and alternative dispute resolution; constitutional and administrative law, tort law and product liability, contract law, agency law; business organizations; business ethics and social responsibility; international law; and selected topics of government regulation of business including antitrust law, employment law, environment law, and securities regulation.

**BL 4303 Employment Law (3)**

Pre-requisite(s): Junior standing or consent of instructor; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of the legal and regulatory framework governing the employment relationship, with particular emphasis on employee selection, discrimination, privacy rights, and termination. Students will examine the increasingly complex body of laws that challenge employers as they strive to maintain a productive and reliable workforce. The course will include topics such as employment contracts, equal opportunity law (discrimination, sexual harassment, affirmative action), wrongful discharge, employee privacy, etc.

**BL 4310 Cyberlaw (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

A study of current legal issues affecting businesses that operate online and through cyberspace, with particular emphasis on how these legal issues impact critical business decisions. Students will examine current cyberlaw topics such as e-commerce law, ownership and protection of intellectual property, privacy, data security, cyber-contracts, international cyberlaw and related ethical issues. The course is designed to provide an active learning environment for business students to prepare them to effectively manage and lead organizations affected by rapidly-evolving technology and innovation. Students will examine current questions such as how is the law responding to the digital age? How are legal risks increasing in significance for business decision-makers given rapid changes in technology? How does the law balance critical and often competing issues such as security and privacy? What ethical issues are raised in the digital marketplace?

**BL 4320 International Business Law (3)**

Cross-listed as INB 4320

Pre-requisite(s): BL 3305 or consent of instructor; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Legal issues relating to international business transactions. Topics include major organizations and conventions/treaties related to international business, differences between U.S. and foreign contract and employment laws, methods of entry into foreign markets such as direct foreign investment or franchising, techniques to minimize risk in international transactions, the need for cultural awareness as it affects business transactions, trade regulations including import and export requirements and tariffs, and how to resolve disputes effectively.

**BL 4325 Legal Aspects of Financial and Commercial Transactions (3)**

Pre-requisite(s): BL 3305 or consent of instructor

Legal issues encountered in conducting financial and commercial business transactions in business. Students will gain knowledge to prepare them to participate in these transactions, particularly with regard to financial and accounting aspects of the transactions. The course will include a study of laws relating to business organizations, sales, commercial paper, secured transactions, documents of title, bankruptcy, securities regulations, and accountants' legal liability.

**BL 4345 Global Trade Compliance (3)**

Cross-listed as INB 4345

A practical introduction to the regulatory requirements that firms must fulfill to participate in international trade. The course will survey the role of trade compliance in the operations of international firms, an overview of U.S. export and import regulatory regimes and agencies, discussion of selected case studies, and information on the additional requirements for a career in global trade compliance.

**BL 4V98 Special Studies in Business Law (1-3)**

Pre-requisite(s): BL 3305 and consent of instructor

May be taken for 3 hours credit, and may be repeated under different topic.

## Chapel (CHA)

**CHA 1086 Chapel Forum (0)**

Designed to inspire students through lectures, presentations, and dialogues, which explore the intersections of Christian faith and life. Features guest scholars, theologians, and artists and may include student/ guest(s) dialogue. Focused on sharing Christian perspectives and teaching, rather than worshipping together.

**CHA 1087 Chapel with Traditional Worship (0)**

Designed to inspire students through meaningful worship including music inspired by the traditions of the Church through the ages. Features guest scholars, theologians, and artists as components of the liturgy which will typically include music accompanied by piano, organ, or strings. Course may be repeated a maximum of 8 times.

**CHA 1088 Chapel with Contemporary Worship (0)**

An asynchronous chapel experience that takes students week by week through the narrative of the Christian Scriptures by using films that engage students in Christian faith and practice.

**CHA 1089 Chapel (0)**

CHA 1089 Chapel Worship A service shaped by the historic understanding of Christian worship, using music from various denominations. Students will have opportunities to lead worship and hear sermons from local ministers.

**CHA 1090 Chapel Studies (0)**

Chapel experiences are available to students with certain interests and passions, particular academic majors, or who have unique circumstances. These chapels are centered in the teaching of Christian perspectives and practices.

**CHA 1091 Chapel Prayers (0)**

Chapel alternative services in our various chapels across campus. These quiet services are designed to help students have an experience of daily prayer in community. Led by Baylor Chaplains and other designated staff, each service will make use of various forms of prayer that will typically include singing, meditation, silence, unison/responsive readings, and scripture.

## Chemistry (CHE)

**CHE 1100 Introductory Chemistry Laboratory (1)**

Pre-requisite(s): Credit or concurrent registration in CHE 1300  
Laboratory investigations of chemical reactions and properties of common, everyday materials.

**CHE 1101 General Chemistry Laboratory I (1)**

Pre-requisite(s): Credit or concurrent registration in CHE 1301  
An introductory laboratory course that illustrates topics covered in CHE 1301, including chemical reactions, the mole concept, properties of gases and solutions, thermochemistry, and molecular bonding.

**CHE 1102 General Chemistry Laboratory II (1)**

Pre-requisite(s): CHE 1101 and credit or concurrent registration in CHE 1302  
An introductory laboratory course that illustrates topics covered in CHE 1302, including properties of solutions, kinetics, equilibrium, thermodynamics, electrochemistry, and chemical analysis.

**CHE 1146 Introductory Organic Biochemistry Laboratory (1)**

Pre-requisite(s): Credit or concurrent registration in CHE 1341  
Laboratory experiments illustrating principles of organic chemistry and biochemistry.

**CHE 1300 Introductory Chemistry (3)**

No previous knowledge of chemistry required. A one-semester course in general inorganic chemistry, covering atomic structure, bonding, nomenclature, chemical equations, and a problem-solving approach to stoichiometry, gases, solutions, acids and bases, chemical equilibrium and oxidation-reduction. Note: Students may apply either CHE 1300-1100, 1405, 1341-1146, or 1301 and 1100 in fulfillment of a science requirement for a (non-chemistry) B.A. degree. However, CHE 1405 is strongly advised for the meeting of this requirement.

**CHE 1301 Basic Principles of Modern Chemistry I (3)**

Pre-requisite(s): A satisfactory score on the SAT math, ACT math, or participation in an online learning module and earning a minimum score at the conclusion of the module  
Completion of high school chemistry highly recommended. An introduction to chemical reactions; the mole concept; properties of gases, solids, liquids, and solutions; atomic structure; periodic properties; chemical bonding, and molecular structure.

**CHE 1302 Basic Principles of Modern Chemistry II (3)**

Pre-requisite(s): CHE 1301 with a C or better  
A continuation of CHE 1301 with emphasis on chemical equilibrium, thermodynamics, electrochemistry, kinetics, and radiochemistry.

**CHE 1341 Introductory Organic Biochemistry (3)**

Pre-requisite(s): CHE 1300 or 1301  
A one-semester introduction to organic chemistry and biochemistry. The structure and properties of different classes of organic compounds, enzymes, bioenergetics, intermediary metabolism, body fluids, and nutrition will be covered.

**CHE 1405 Chemistry and Society (4)**

The influence of chemistry on everyday life, including energy sources, agricultural chemicals, food and food additives, medicines, drugs, water, air, and pollution. Laboratory exercises involve the chemistry and physical properties of common materials.

**CHE 1V98 Special Research Problems (3)**

Pre-requisite(s): CHE 1302 and 2416; or permission of instructor  
A research project conducted under the supervision of a Baylor Chemistry/Biochemistry Department faculty member. A minimum of three clock hours of work per week in the laboratory will be required for each semester hour of credit. This course may be repeated once if research continues. Departmental clearance is required before a grade can be assigned.

**CHE 1V9R Research (3)**

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**CHE 2416 Laboratory Measurements and Techniques (4)**

Pre-requisite(s): CHE 1102 and 1302  
An introductory laboratory course in quantitative analysis, including volumetric and gravimetric procedures with emphasis on developing the requisite laboratory technique for making high-quality analytical determinations.

**CHE 2V98 Extended Research Problems (3)**

Pre-requisite(s): Two semesters of CHE 1V98  
A research project conducted under the supervision of a Baylor Chemistry/Biochemistry Department faculty member. A minimum of three clock hours of work per week in the laboratory will be required for each semester hour of credit. This course may be repeated once if research continues. Departmental clearance is required before a grade can be assigned.

**CHE 2V9R Research (3)**

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**CHE 3238 Organic Chemistry Laboratory (2)**

Pre-requisite(s): CHE 1102, 3331, and credit or concurrent registration in CHE 3332  
A laboratory course in organic chemistry including synthesis, purification, and analysis of organic compounds using a variety of techniques.

**CHE 3331 Organic Chemistry I (3)**

Pre-requisite(s): CHE 1302 with a grade of C or better

Chemistry of organic compounds which primarily contain the less polar functional groups. Topics include reaction mechanisms, stereochemistry and organic spectroscopy.

**CHE 3332 Organic Chemistry II (3)**

Pre-requisite(s): CHE 3331 with grade of C or better or consent of instructor

A continuation of CHE 3331 involving the chemistry of the more polar functional groups, including carbohydrates and amino acids. A nationally standardized comprehensive final examination covering both CHE 3331 and 3332 will be given.

**CHE 3341 Biochemistry of Nutrition (3)**

Pre-requisite(s): CHE 1302, CHE 1341, and BIO 1305, all with grades of C or better

The chemistry of dietary components, digestion, and biosynthesis, with emphasis on molecular structures, chemical properties, and metabolic relationships relevant to health. (This course does not count as an advanced course for chemistry majors.)

**CHE 3361 Forensic Analytical Chemistry (3)**

Pre-requisite(s): CHE 3332 and credit or concurrent enrollment in CHE 3238

Introduction to the theory and techniques of analytical chemistry as applied to forensic science.

**CHE 3V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**CHE 4001 Exit Examination (0)**

Pre-requisite(s): Senior standing

The only requirement for this course is completion of a comprehensive chemistry exit examination designated by the department. This examination may be written by the department's faculty or may be chosen from the GRE, ETS, or another similar examination.

**CHE 4141 Modern Biochemistry Laboratory (1)**

Pre-requisite(s): CHE 2416, 3238 and credit or concurrent enrollment in CHE 4341

Experiments illustrating isolation and identification of biomolecules with emphasis on chromatographic separations, centrifugation, electrophoresis, spectroscopic methods, kinetics, and analysis of experimental data.

**CHE 4142 Advanced Biochemistry Laboratory (1)**

Pre-requisite(s): CHE 4141 and credit or concurrent enrollment in CHE 4342

Experiments illustrating characterization of biomolecules with emphasis on advanced techniques in liquid chromatography, electrophoretic methods, ultracentrifugation, spectroscopic analysis, and molecular graphics and modeling.

**CHE 4151 Undergraduate Seminar I (1)**

Pre-requisite(s): CHE 3332 and senior standing

Presentation of a seminar derived from the recent literature in an area of chemistry designated by the instructor.

**CHE 4199 Senior Thesis (1)**

Pre-requisite(s): CHE 4V98 and consent of instructor

A final report in the form of a B.S. thesis and a public presentation on a research project conducted under the supervision of a Baylor Chemistry/Biochemistry Department faculty member. A copy of the thesis must be submitted to the advisor for B.S. chemistry majors before a grade can be assigned.

**CHE 4207 Preparative Inorganic Chemistry (2)**

Pre-requisite(s): CHE 3238 and 4302

A wide range of experimental techniques currently used in preparative inorganic chemistry research. Such techniques include dry bag, inert atmosphere, ion-exchange, and vacuum line manipulations; electrolytic, non-aqueous solvent, and tube furnace preparations. Emphasis will be given to both the preparation and characterization of compounds prepared in the laboratory.

**CHE 4217 Instrumental Analysis Laboratory (2)**

Pre-requisite(s): CHE 4225 or 4227, and either credit or concurrent registration in CHE 4316

Laboratory work in instrumental analysis with an emphasis on spectroscopy, separations, and electrochemical methods.

**CHE 4225 Biophysical Chemistry Laboratory (2)**

Pre-requisite(s): CHE 2416 and credit or concurrent enrollment in CHE 4327

Introduction to basic biophysical laboratory techniques. Emphasis is placed on the spectroscopy and calorimetry of macromolecules/ligand interactions. Instruction in effective report writing.

**CHE 4227 Physical Chemistry Laboratory I (2)**

Pre-requisite(s): CHE 2416 and credit or concurrent enrollment in CHE 4321

Techniques of physical property measurement, data analysis, and interpretation, with emphasis on thermodynamics, electrochemistry, surface chemistry, solutions, and kinetics. Instruction in effective report writing.

**CHE 4228 Physical Chemistry Laboratory II (2)**

Pre-requisite(s): CHE 4225 or 4227, and credit or concurrent enrollment in CHE 4322

Advanced work in measurement and data analysis techniques, with emphasis on lasers, molecular spectroscopy, and photochemistry. Instruction in effective report writing.

**CHE 4237 Advanced Organic Laboratory (2)**

Pre-requisite(s): CHE 3238 and 3332

Advanced organic synthesis, purification and analysis techniques, including the use of instrumental methods, such as inert atmosphere techniques and modern analytical and preparative chromatography.

**CHE 4302 Modern Inorganic Chemistry I (3)**

Pre-requisite(s): CHE 1301 and CHE 1302

Modern inorganic chemistry, including principles of structure, bonding, and chemical reactivity with application to compounds of the main group and transition elements, with organometallic chemistry.

**CHE 4307 Modern Inorganic Chemistry II (3)**

Pre-requisite(s): CHE 4302

Advanced topics in inorganic chemistry; molecular symmetry with applications to electronic structure and spectroscopy; reaction kinetics and mechanisms; inorganic synthesis and catalysis; bioinorganic chemistry.



**CHE 4316 Instrumental Analysis (3)**

Pre-requisite(s): CHE 4321 or 4327

Introduction to instrumental methods of analysis including spectroscopy, separations, and electrochemical methods.

**CHE 4321 Physical Chemistry I (3)**

Pre-requisite(s): CHE 2416, MTH 2321, and PHY 1430; and CHE 3332 or consent of instructor

Gases, liquids and solids, phase changes, electrochemistry, and the principles of kinetics and thermodynamics. (Not applicable to a major in biochemistry.)

**CHE 4322 Physical Chemistry II (3)**

Pre-requisite(s): CHE 2416, MTH 2321, and PHY 1430; and CHE 3332 or consent of instructor

Postulates of quantum mechanics. Application of quantum theory to simple models: particle in a box, rigid rotor, and harmonic oscillator. Electronic, rotational, and vibrational motion in molecules. Molecular energy levels and spectra. Electronic structure of atoms and molecules. Basic concepts of statistical thermodynamics.

**CHE 4327 Physical Chemistry for the Life Sciences (3)**

Pre-requisite(s): CHE 2416, MTH 1322, PHY 1409 or 1430; and credit or concurrent enrollment in CHE 4341

Chemical thermodynamics, kinetics, and the basic principles of spectroscopy with applications to systems of biochemical interest. (Not applicable to a major in chemistry.)

**CHE 4332 Organic Chemistry III (3)**

Pre-requisite(s): CHE 3238 and 3332 with grades of B or above; or consent of instructor

Advanced aspects of organic chemistry, including synthetic strategies and techniques, reaction mechanisms, and an introduction to bio-organic chemistry.

**CHE 4334 Organic Spectroscopy (3)**

Pre-requisite(s): Either CHE 3238 and 3332 with grades of B or above; or CHE 3332 with a grade of B or above and credit or concurrent enrollment in CHE 4237

The most common spectroscopic methods including infrared, ultraviolet-visible, nuclear magnetic resonance and mass spectroscopies, with emphasis on the practical use of NMR and MS in structure determination problems.

**CHE 4341 General Biochemistry (3)**

Pre-requisite(s): CHE 3332 with a grade of C or better

Structure and dynamics of compounds of biological interest. (Students may not receive credit for both BIO 4307 and CHE 4341.)

**CHE 4342 Topics in Human Biochemistry (3)**

Pre-requisite(s): A grade of C or better in CHE 3332; and either a grade of C or better in CHE 4341 or a grade of B or better in BIO 4307 Topics in selected areas of human biochemistry such as hormone action, neurotransmission, vision, digestion, transport

**CHE 4V60 Special Topics in Chemistry (1-4)**

Pre-requisite(s): CHE 3332 and consent of instructor

Topics in chemistry not covered in other chemistry courses. May be repeated once for credit if topic is different.

**CHE 4V98 Senior Research Problems (3)**

Pre-requisite(s): CHE 2V98, 3238, and 3332 and consent of instructor

A research project conducted under the supervision of a Baylor Chemistry/Biochemistry Department faculty member. A minimum of three clock hours of work per week in the laboratory will be required for each semester hour of credit. A written progress report will be submitted to the instructor at the end of each semester. This course may be repeated for a maximum of 6 total hours if research continues. Departmental clearance is required before a grade can be assigned.

**CHE 4V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Child and Family Studies (CFS)

**CFS 1315 Development of Individual and Family Relationships (3)**

An introductory study of individual development integrating interpersonal and intrafamily relationships across the family life course.

**CFS 2355 Child Development (3)**

Physical, intellectual, emotional, and social development from birth to middle childhood. One hour each week working with children in a community setting is required.

**CFS 2357 Adult Development (3)**

Physical, intellectual, spiritual, social and emotional development in adulthood, emphasizing developmental tasks in adulthood.

**CFS 3304 Introduction to Research (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Research methods, experimental procedures, writing, reporting data, and evaluating current research within various areas of human sciences. The format of the course includes a combination of lecture and discussion, writing assignments, literature review, and/or oral presentations.

**CFS 3324 Children and Families with Special Needs (3)**

Social, educational, and vocational challenges faced by families with children with special needs.

**CFS 3325 Child Health Programs (3)**

Pre-requisite(s): Junior standing or consent of instructor  
Theory and community practice of current and proposed public health programs benefiting children. Course targets future child life specialists, dietitians, nurses, educators, social workers, and public health administrators.

**CFS 3350 Individual and Family Financial Management (3)**

Study of individual and family financial decisions, planning and management.

**CFS 3354 Family Life Education and Ethics (3)**

Pre-requisite(s): CFS 1315 and 2355

Historical, philosophical and theoretical foundations of Family Life Education (FLE); role of a FL educator, frameworks of FLE design, delivery and ethical guidelines.

**CFS 3356 Theories of Family Development (3)**

Pre-requisite(s): Upper-level standing

A theoretical study of societal changes affecting families over the life course. Using a systems paradigm, emphasis is placed on effective communication and knowledgeable choices regarding marriage, parenting, divorce, family crises, and aging.



**CFS 3357 The Preschool Child (3)**

Pre-requisite(s): A minimum grade of C in CFS 2355 or consent of instructor

A study of the social relationships and adjustments of the young child in group situations, including supervised participation and the planning and implementation of curriculum.

**CFS 3358 Infant and Toddler Development (3)**

Pre-requisite(s): CFS 2355

The developmental sequence from prenatal to three years, emphasizing the relationship and interactive process between infants, toddlers, and their primary caregivers in family and group situations. Two hours each week working with infants/toddlers in community center required (2-2).

**CFS 3362 Child Life Theory and Practice (3)**

Pre-requisite(s): A minimum grade of C in CFS 2355 and upper-level standing or consent of instructor

Historical and theoretical perspective on development of child life field and information on fundamental skills required to help children and families cope with the stress of a health care experience.

**CFS 3368 Theory and Principles of Play (3)**

Pre-requisite(s): A minimum grade of C in CFS 2355 or consent of instructor

The study of play theory, creativity, guidance, and implementation of developmentally-appropriate practice in diverse settings for children in early childhood. Requires completion of 20 lab hours at the Piper Center.

**CFS 4191 Professional Practices in Child and Family Studies (1)**

Pre-requisite(s): Upper-level standing and a minimum of 12 credit hours of CFS courses completed with a C or better

The study and preparation for the Child and Family Studies practicum experience. Application of professional skills related to various forms of written and verbal communication, interview techniques, and ethics.

**CFS 4340 Resource Management (3)**

Pre-requisite(s): Upper-level standing

Emphasis on a systems approach to time, energy, and resource management. Strategies for maximizing management influences on individual and family welfare. Designed to include occupational competencies and analyze career and job opportunities.

**CFS 4356 The Family: A Global Perspective (3)**

Families around the world: functions, roles, responsibilities, environmental influences, and interactions with other societal institutions.

**CFS 4357 Child and Family Policy and Advocacy (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Exploration of the reciprocal influences between children and families and all branches of government, including public/private sectors at local, state, and federal levels. Emphasis placed on models, skills, and approaches necessary to advocate for and influence policy.

**CFS 4358 Planning and Administration of Child and Family Programs (3)**

Pre-requisite(s): FCS 3304; and upper-level standing or consent of instructor

Administration and planning of programs serving children and families. Emphasis is placed on program planning, evaluation, ethics, and professionalism as they apply to child and family programs.

**CFS 4359 Parenting Theory and Approaches (3)**

Pre-requisite(s): CFS 1315 and CFS 2355, or consent of instructor  
Theory-based study of parenting approaches, issues, and outcomes for applied practice with diverse families across the lifespan, including the creation, implementation, and identification of parent education resources to support individual and family well-being.

**CFS 4363 Adolescent Development (3)**

Pre-requisite(s): CFS 2355 and Upper-level standing  
The psychosocial, social-emotional, and cognitive language development of adolescents.

**CFS 4364 Child and Family Ministry (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Biblical framework, contemporary issues, models, skills, and approaches of child and family ministry, covering faith-based settings.

**CFS 4367 Family Transitions, Stress, and Resilience (3)**

Pre-requisite(s): Upper-level standing or consent of the instructor  
Current theory and models seeking to understand family transitions, stress, coping, adaptation, and resilience.

**CFS 4368 Family Perspectives on Aging (3)**

Pre-requisite(s): Upper-level standing  
A study of normative aging processes within the family context.

**CFS 4390 Child and Family Studies Practicum (3)**

Pre-requisite(s): A minimum grade of C in CFS 2355, 3356, 4359, and 4191; and consent of instructor

Requires a minimum of one hundred and fifty clock hours of directed experiences in a program-related professional setting, plus weekly online class activities and discussions. May be repeated in a different setting for a maximum of 6 credits.

**CFS 4695 Internship in Child Life (6)**

Pre-requisite(s): A minimum grade of C in CFS 3357, 4359, 4362; senior standing; and consent of instructor  
Supervised child life internship in an approved hospital for four hundred or more hours. Written reports and research required.

## Chinese (CHI)

**CHI 1101 Chinese Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**CHI 1102 Chinese Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**CHI 1301 Elementary Chinese (3)**

Introduction to the Chinese language and culture; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students progress through novice proficiency levels

**CHI 1302 Elementary Chinese (3)**

Pre-requisite(s): CHI 1301 or 2 units of high school Chinese  
Introduction to the Chinese language and culture; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students progress from novice toward intermediate-level proficiency

**CHI 2310 Intermediate Chinese (3)**

Pre-requisite(s): CHI 1302 or three units of high school Chinese  
Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students attain intermediate-level proficiency in Chinese.

**CHI 2320 Intermediate Chinese for Communication (3)**

Prerequisite(s) CHI 2310 or four units of high school Chinese. This course intends to develop spoken and communicative skills in Chinese at the Intermediate Level. Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

**CHI 3301 Chinese Conversation, Composition, and Readings I (3)**

Pre-requisite(s): Fourteen semester hours of Chinese or consent of division director  
Development of communication and reading skills.

**CHI 3302 Chinese Conversation, Composition, and Readings II (3)**

Pre-requisite(s): Fourteen semester hours of Chinese or consent of division director  
Continuation of CHI 3301.

**CHI 3305 Chinese for Business I (3)**

Pre-requisite(s): CHI 3301 or consent of instructor  
Designed to help students develop competency in using Chinese in business contexts; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Classes conducted in Chinese.

**CHI 3306 Chinese for Business II (3)**

Pre-requisite(s): CHI 3305  
Development of advanced communicative skills in Chinese, through a focus on China's fast-changing economy and business. Uses business case studies to foment understanding of Chinese business culture and practices.

**CHI 3310 Chinese Language and Culture through Films (3)**

Pre-requisite(s): CHI 3302 or consent of instructor  
Use of Chinese films to help students improve language proficiency to the advanced level; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

**CHI 3V70 Special Problems (1-3)**

Pre-requisite(s): Consent of division director  
With content changed, this course may be repeated once for credit.

**CHI 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**CHI 4301 Chinese Literature and Culture I (3)**

Pre-requisite(s): CHI 3302 or consent of instructor  
An analytical study of the representative works of literature, history, and philosophy from the early Zhou through the Han dynasties.

**CHI 4302 Chinese Literature and Culture II (3)**

Pre-requisite(s): CHI 3302 or consent of instructor  
An analytical study of the representative works of literature, history, and philosophy since the Wei dynasty.

**CHI 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Classics (CLA)

**CLA 1300 Special Topics in Classics (3)**

Introductory topics in Classical literature and culture not covered by regular course offerings. May be repeated once with a change in content or topic.

**CLA 1301 Word Power (3)**

Designed to help students develop their English vocabulary by examining the Latin and Greek vocabulary bases, prefixes and suffixes from which English evolved as well as commonly used Greek and Latin words and phrases.

**CLA 1304 From Ancient Rhetoric to Modern Research Writing (3)**

Instruction in research methods and the techniques of critical and persuasive writing, drawing from the rich tradition of ancient Greek and Roman rhetoric and literature.

**CLA 1305 Heroes and Heroines of the Ancient World (3)**

Heroes and heroines of ancient world through readings in translation, including Adam and Eve, Jesus and Mary, Rama and Sita, Heracles and Deineira, Odysseus and Penelope, King Arthur and Guinevere, and others. Students will also be introduced to the theories of Lord Raglan, Joseph Campbell, Vladimir Propp, and Claude Levi-Strauss.

**CLA 1V9R Research (3)**

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**CLA 2300 Special Topics in Classics (3)**

Introductory topics in Classical literature and culture not covered by regular course offerings. This course may be repeated once with a change in content or topic.

**CLA 2301 Literature of Ancient Greece (3)**

Ancient Greek literature, emphasizing the works of major writers such as Homer, Herodotus, Thucydides, Plato, Aristotle, the orators, and comic and tragic poets. All readings are in English translation.

**CLA 2302 Literature of Ancient Rome (3)**

Literature of the Roman republic and empire, covering authors and texts over a range of around 600 years, from Plautus (ca. 200 BC) to Augustine (ca. 400 AD). Focus is on the major literary figures from this period, their works, and their social and historical contexts. All readings are in English translation.

**CLA 2306 Greek and Roman Mythology (3)**

Myths of ancient Greece and Rome in their historical and cultural context with attention to the ways in which these myths have been interpreted and used. A student with credit in CLA 3380 may not earn credit for CLA 2306.

**CLA 2310 Greek and Roman Religion (3)**

Examines the varieties of religious experience in the ancient Greco-Roman world. Sources include literary texts as well as material culture, and the approach is interdisciplinary.

**CLA 2V9R Research (3)**

Pre-requisite(s): Consent of instructor  
Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**CLA 3300 Special Topics in Classics (3)**

Intermediate topics in Classical literature and culture not covered by regular course offerings. This course may be repeated once with a change in content or topic.

**CLA 3301 Roman History and Civilization (3)**

Cross-listed as HIS 3324

History and culture of the ancient Romans from the founding of the city through the reign of Constantine ending in A.D. 337 with attention to literature, religion, political institutions, social issues, philosophy, and art.

**CLA 3302 Greek History and Civilization (3)**

Cross-listed as HIS 3322

History and culture of the ancient Greeks from the Bronze Age through the Classical period ending in 323 B.C. with attention to literature, religion, political institutions, social issues, philosophy, and art.

**CLA 3303 Hellenistic History and Civilization (3)**

Cross-listed as HIS 3323

History and culture of the Greeks and Macedonians from the reign of Alexander the Great (336-323 BC) through the death of Cleopatra (30 BC) with attention to developments in literature, religion, philosophy, art, political institutions, and social issues; interactions between Greeks and peoples of Asia and Egypt; the Greek experience of Roman imperialism.

**CLA 3304 Byzantine History and Civilization (3)**

Cross-listed as HIS 3339

The history and culture of the Byzantines (Eastern Romans) from their roots in the third-century crisis of the Roman Empire through the fall of Constantinople in AD 1453.

**CLA 3310 Ancient Epic (3)**

An intensive study of ancient epic with the goal of understanding the structure, nature, and social functions of the genre. The selection of readings, in English translation, may range from Gilgamesh through the Roman poet Statius.

**CLA 3311 Greek Tragedy (3)**

An intensive study of Greek tragedy with the goal of understanding the structure, nature, and social functions of the genre with an emphasis on 5th and 4th century Athens. Readings consist primarily of plays by Aeschylus, Sophocles, and Euripides in English translation.

**CLA 3315 Ancient Drama in Performance (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Ancient Greek and Roman plays as performative works. Includes recreating and staging performances of scenes from ancient Greek and Roman plays, informed by ancient performance practice.

**CLA 3321 Topography of Rome and Pompeii (3)**

Detailed study of the buildings and monuments of Ancient Rome and Pompeii. Readings include primary sources and analyses of excavated material.

**CLA 3330 Women and Gender in Antiquity (3)**

Explores the lives of women in ancient Greece and Rome and their representation in art and literature. Also includes modern theories and definitions of gender.

**CLA 3340 Race and Ethnicity in Classical Antiquity (3)**

Explores how the ancient Greeks and Romans conceptualized race and ethnicity and how they dealt with racial and ethnic differences in their encounters with other peoples. Includes modern debates about race, ethnicity, and identity.

**CLA 3350 Ancient Warfare (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The military cultural experience of ancient Greece and Rome, drawing upon ancient literary, artistic, and documentary sources.

**CLA 3352 Greek Art and Archaeology (3)**

Cross-listed as ARTH 3352

See ARTH 3352 for course description.

**CLA 3353 Roman Art and Archaeology (3)**

Cross-listed as ARTH 3353

See ARTH 3353 for course information.

**CLA 3380 Classical Mythology (3)**

Detailed study of the myths of the Greeks and Romans; Greek and Roman personal religion and folklore. (No credit toward the foreign language requirement.) A student with credit in CLA 2306 may not earn credit in CLA 3380.

**CLA 3381 Medical Terminology (3)**

Study of the medical vocabulary of English, based upon Greek and Latin prefixes, stems, and suffixes.

**CLA 3V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**CLA 4300 Medicine and Healing in the Ancient World (3)**

Survey of the theory, practice, and literature of western scientific medicine from Hippocrates and the Greeks through the Roman period.

**CLA 4301 Principles of Classical Studies (3)**

Pre-requisite(s): Upper-level standing

Examination of the major historical figures and intellectual trends of the classical world and examination of the professional life and work of classicists.

**CLA 4311 Archaeology of Greece (3)**

Pre-requisite(s): Consent of instructor

Study of the monuments, art, and topographical archaeology of Greece from the Bronze Age through Late Antiquity.

**CLA 4315 Ancient Greek Religion (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Study of Ancient Greek religion through the literary, artistic, and archaeological sources.

**CLA 4331 The Archaeology of Sicily and Southern Italy (3)**

Study of monuments and topographical archaeology of southern Italy and Sicily. Readings include primary sources and analyses of excavated material.

**CLA 4340 Special Topics in Classics (3)**

Advanced topics in Classical literature and culture not covered by regular course offerings. This course may be repeated once with a change in content or topic.

**CLA 4350 Augustine's Theological Development (3)**

Cross-listed as REL 4350

See REL 4350 for course information.

**CLA 4356 Christian Persecution and Martyrdom in the Roman World (3)**

Cross-listed as REL 4356

Pre-requisite(s): Upper-level standing or consent of instructor

Ancient sources in translation on martyrdom in the Roman world. Topics might include the evolving understanding of martyrdom, the development of Christian doctrine on martyrdom, Roman motives for persecuting Christians, and the status of those who fled persecution or surrendered themselves to it.

**CLA 4357 Pagans and Christians in the Later Roman World (3)**

Cross-listed as REL 4357

Pre-requisite(s): Upper-level standing or consent of instructor

Developments in Greco-Roman pagan religion and Christianity in the fourth century. Topics might include commonalities and differences between paganism and Christianity, competition for believers, rivalries between thinkers, the development of Christian identity in a pagan world, the role of Roman imperial authority in arbitrating between these traditions.

**CLA 4360 Indo-European Language and Culture (3)**

Pre-requisite(s): LAT 2310 or GKC 2310; consent of instructor

The linguistic similarities of the Indo-European language, such as Greek, Latin, and Sanskrit, and their cultural manifestations.

**CLA 4361 Greek Painted Pottery (3)**

Cross-listed as ARTH 4361

See ARTH 4361 for course description.

**CLA 4364 Roman Sculpture (3)**

Cross-listed as ARTH 4364

See ARTH 4364 for course information.

**CLA 4368 Special Topics in Greek and Roman Art and Archaeology (3)**

Cross-listed as ARTH 4368

See ARTH 4368 for course information.

**CLA 4369 Greek and Roman Sport and Spectacle (3)**

Cross-listed as ARTH 4369

See ARTH 4369 for course information.

**CLA 4V01 Topics in Classical Literature (1-3)**

Pre-requisite(s): Consent of instructor

Various texts to be read (in translation) are selected to meet the needs of the student. With content changed, this course may be repeated up to a total of six semester hours.

**CLA 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Comm. Sciences and Disorders (CSD)

**CSD 1308 Survey of Speech Pathology and Audiology (3)**

An introduction to the nature and causes of speech, language, and hearing disorders and speech-language pathology as an educational and clinical field.

**CSD 1360 Introduction to Deaf Education (3)**

Practical and legal aspects of Deaf Education, focusing on history of Deaf Education, the role of language and communication, and an overview of deaf programs in diverse settings.

**CSD 1405 American Sign Language I (4)**

Introduction to American Sign Language and Deaf culture: grammar, lexicalized signs, numbers and basic conversational language.

**CSD 1406 American Sign Language II (4)**

Pre-requisite(s): CSD 1405

Continuation of CSD 1405.

**CSD 2101 Professional Career Development (1)**

Resume and cover letter writing, interviewing, networking, and presenting professional self. Exploration of career options, including assessments, internships, job search process, and graduate school admission specific to Communication Sciences and Disorders.

**CSD 2301 American Sign Language III (3)**

Pre-requisite(s): Minimum grade of C- in CSD 1406

Development of intermediate skills with a focus on expressive language: grammar, non-manual markers, classifiers, lexicalized signs, and storytelling.

**CSD 2302 American Sign Language IV (3)**

Pre-requisite(s): Minimum grade of C- in CSD 2301

Continuation of CSD 2301: conversation, composition, grammar review, cultural readings, and ASL literature.

**CSD 2318 Language Development (3)**

Linguistic theory and language development in normal children.

**CSD 2351 Introduction to Phonological Science (3)**

Introduction to the phonological rules and processes of American English and an examination of descriptive, physiological, and acoustic phonetics.

**CSD 2357 Adult Development (3)**

Physical, intellectual, spiritual, social and emotional development in adulthood, emphasizing developmental tasks in adulthood.

**CSD 2360 Oral Deaf Education Principles and Practices (3)**

Techniques for developing spoken language in children with hearing loss using therapy, linguistic knowledge, technology and practice.

**CSD 3308 Introduction to Speech Sound Disorders (3)**

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357

Disorders of articulation and phonologic processes, including etiology, methods of assessment, and techniques for remediation.

**CSD 3310 Principles of Interpreting (3)**

The profession of interpreting, including Code of Ethics, certification criteria, roles and responsibilities of an interpreter, and compensation.

**CSD 3311 American Sign Language V (3)**

Pre-requisite(s): CSD 1405, 1406, 2301, and 2302

This course builds on students' receptive and expressive skills in American Sign Language, challenging them to engage with more complex constructs within the realms of general discourse, performance narrative, and academic discussion.

**CSD 3312 Deaf Culture (3)**

A study of Deaf Culture, with special attention to historical and contemporary perspectives of the Deaf community: history, values, identity and enculturation, family, community, religion, language, arts, and education.

**CSD 3313 Linguistics of American Sign Language (3)**

This course will focus on specific aspects of linguistics and cognition that occur in a visual language as compared/contrasted to/with a spoken language.

**CSD 3314 ASL Literature and Visual Arts (3)**

Pre-requisite(s): CSD 3311

This course provides an overview of different genres of American Sign Language literature and art. Drama, fiction, folklore, humor, painting, short stories, and other forms of literature and arts relative to the Deaf community will be explored.

**CSD 3357 Anatomy and Physiology (3)**

A study of the anatomy and physiology of speech.



**CSD 3359 Neuroscience in Communication Sciences and Disorders (3)**

Pre-requisite(s): Grade of B or better in CSD 1308, 2318, 2351, and 3357  
 This course is designed to provide a comprehensive introduction to the neuroscience of speech, language, and swallowing and hearing. The student will learn about the relationship of neurological structures and functions and how this knowledge applies to the assessment and intervention of communication and swallowing disorders.

**CSD 4249 Clinical Application of Speech-Language Pathology (2)**

Pre-requisite(s): CSD 4477 or concurrent enrollment  
 Clinical application of approaches for identifying, assessing, and treatment of individuals with communication disorders.

**CSD 4301 Introduction to Clinical Audiology (3)**

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357  
 Hearing sciences and approaches for evaluating hearing: anatomy and physiology of the ear, the decibel, ear pathology, pure-tone audiometry, speech audiometry, and acoustic-immittance audiometry.

**CSD 4302 Language Disorders in Children (3)**

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357  
 Basic principles of intervention and assessment for children with language impairments.

**CSD 4305 Technology and Science in Communication Sciences and Disorders (3)**

This course is designated to provide a comprehensive introduction to the technology used in the science of studying speech, language, hearing, and swallowing. Current technology used during research and clinical practice in the field of communication sciences and disorders will be presented.

**CSD 4308 Disorders of Speech and Swallowing (3)**

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357  
 Etiologies, characteristics, diagnosis, and treatment of disorders of speech and swallowing.

**CSD 4309 Medical Speech Pathology (3)**

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357  
 Etiologies, characteristics, diagnosis, and treatment of disorders associated with medical speech pathology.

**CSD 4312 Advanced Clinical Audiology (3)**

Pre-requisite(s): CSD 4301 and must have completed and earned a "B" or better in CSD 1308, 2318, 2351, and 3357  
 Routine and advanced audiologic measures, including masking and evoked-potential tests. Practical clinical experiences.

**CSD 4322 ASL/English Interpreting I (3)**

Pre-requisite(s): CSD 2302  
 An introduction to the process of interpreting and development of required skills: communication theory, non-verbal communication, intralingual skills, translation to and from written English texts, and consecutive interpreting.

**CSD 4323 ASL/English Interpreting II (3)**

Pre-requisite(s): CSD 2302 and 4322  
 A continuation of ASL/English Interpreting I. Continued development of necessary interpreting skills, with an emphasis on simultaneous interpreting.

**CSD 4352 Diagnostic Methods (3)**

Pre-requisite(s): Must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357 or Graduate Online CSD student  
 A study of diagnostic methods used in speech and language pathology, including interviewing, taking case histories, testing, and counseling. Evaluation of the standardization, reliability, and validity of existing tests. Practical application is required.

**CSD 4358 Speech Science (3)**

Pre-requisite(s): Must have completed and earned a 'B' or better in each of the following courses: CSD 1308, 2318, 2351, and 3357 or Graduate Online CSD student  
 Basic sciences underlying speech and hearing: physics of sound, the decibel, instrumentation, speech production, speech perception, and audition.

**CSD 4360 Language and Literacy Instruction for the Deaf I (3)**

Co-requisite(s):  
 Pre-requisite(s): CSD 1360  
 Contemporary practices in teaching literacy for Deaf/Hard of Hearing students, including bilingual assessment and intervention. Requires practicum hours.

**CSD 4361 Language and Literacy Instruction for the Deaf II (3)**

Co-requisite(s):  
 Pre-requisite(s): CSD 4360  
 A continuation of CSD 4360. Requires practicum hours.

**CSD 4368 Introduction to Aural Rehabilitation (3)**

Pre-requisite(s): CSD 4301 or consent of instructor; and must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357 or CSD Online student  
 Methods for rehabilitating persons with hearing impairment: evaluating communicative needs, amplification devices, auditory-visual training, and modes of communication for the deaf and hearing impaired.

**CSD 4477 Clinical Methods (4)**

Pre-requisite(s): CSD 3308; and must have completed and earned a "B" or better in each of the following courses: CSD 1308, 2318, 2351, and 3357 or Graduate Online CSD student  
 Methods for treating individuals who have communication disorders. Observation of therapy conducted in the Baylor Speech, Hearing, and Language Clinic is required.

**CSD 4660 Internship I Deaf and Hard of Hearing EC-12 Part 1 (6)**

Co-requisite(s): CSD 4661  
 Pre-requisite(s): Minimum grade of B in both CSD 4360 and 4361, and satisfactory performance on the CSD departmental ASL proficiency exam  
 Full-time teaching experience in a Deaf/Hard of Hearing program. A mentor teacher and Baylor faculty will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes fifty-minute seminars to be attended each week.

**CSD 4661 Internship I Deaf and Hard of Hearing EC-12 Part 2 (6)**

Co-requisite(s): CSD 4660  
 Pre-requisite(s): Minimum grade of B in both CSD 4360 and 4361 and satisfactory performance on the CSD departmental ASL proficiency exam  
 Planning and preparing lessons and materials for full-time teaching. Includes completion of content modules, conferencing with mentor teacher and university supervisor, written lesson reflections, and observation of lessons taught by mentor teachers.



**CSD 4662 Internship II Deaf and Hard of Hearing EC-12 Part 1 (6)**

Co-requisite(s): CSD 4663

Pre-requisite(s): Minimum grade of B in both CSD 4660 and 4661

Continuation of CSD 4660.

**CSD 4663 Internship II Deaf and Hard of Hearing EC-12 Part 2 (6)**

Co-requisite(s): CSD 4662

Pre-requisite(s): Minimum grade of B in both CSD 4660 and 4661

Continuation of CSD 4661.

**CSD 4V85 Special Problems in Communication Sciences and Disorders (1-6)**

Pre-requisite(s): Fifteen semester hours in Communication Sciences and Disorders or Graduate Online CSD student

A conference course providing additional study in communication sciences and disorders. May be repeated once for credit.

**CSD 4V86 Health Science Leadership: Community Engagement and Service-Learning (1-3)**

Intensive integration of academic study and service-learning experiences with the community. Approval to take this course must be obtained from the faculty member and the CSD Chair. This course may be repeated once with faculty approval.

**CSD 4V87 Health Science Leadership: Applied Research (1-3)**

Intensive integration of academic study with an active research project under the supervision of a Communication Sciences &amp; Disorders faculty member. Approval to take this course must be obtained from the faculty member and CSD Chair. This course may be repeated once if research continues.

**CSD 4V98 Health Science Leadership: Community Engagement and Service-Learning (1-3)**

Intensive integration of academic study and service-learning experiences with the community. Approval to take this course must be obtained from the faculty member and the CSD Chair. This course may be repeated once with faculty approval.

## Communication (CSS)

**CSS 1301 Fundamentals of Public Communication (3)**

The preparation of public speeches, focusing on adapting messages to audiences. Credit may not be earned for this course if credit is earned in CSS 1302.

**CSS 1302 Speech for Business and Professional Students (3)**

Preparation and delivery of the types of presentations employed in organizational and corporate settings. Credit may not be earned for this course if credit is earned in CSS 1301.

**CSS 1304 Argumentation, Discussion, and Debate (3)**

A study of reflective thinking and intentional reasoning as applied to college discussion and debate. Application made to current topics.

**CSS 1305 Introduction to Communication (3)**

Foundational areas and research methods for the study of communication, including rhetoric and organizational, interpersonal, and nonverbal communication.

**CSS 2264 Contest Speaking (2)**

Interest in University forensic activities. Practice in forensic contests pointing toward the University program. Course extends throughout the year, meeting on Tuesday evenings each week.

**CSS 2265 Contest Speaking (2)**

Continuation of CSS 2264.

**CSS 3247 Advanced Debate (2)**

Pre-requisite(s): Advanced member of University forensic program

Must be qualified to assist inexperienced students in their preparation.

Course extends throughout the school year, meeting on Tuesday evenings each week.

**CSS 3248 Advanced Debate (2)**

Continuation of CSS 3247.

**CSS 3302 Introduction to Rhetorical Theory and Criticism (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Rhetorical theory and criticism, including the history of the field of rhetoric, the theories that guide rhetorical inquiry, and how to compose a rhetorical analysis.

**CSS 3304 Small-Group Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Group interaction in decision-making and problem-solving situations associated with leadership, role development, and conflict management.

**CSS 3305 Advanced Public Speaking (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Preparation and presentation of extemporaneous and written public speeches.

**CSS 3306 Interviewing (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Application of communication theory to interview situations with emphasis on developing and using effective strategies.

**CSS 3307 Legal Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

An introduction to the special communication needs and skills of lawyers, clients, and judicial personnel. Students will improve their ability to apply communication principles to professional settings.

**CSS 3310 Communication Theory (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Survey of the theories of human communication.

**CSS 3311 Interpersonal Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Overview of the communication process with emphasis on the theory and practice of communication in dyadic relationships. The course is designed to allow students to: (1) increase their understanding of the process of interpersonal communication, (2) increase their knowledge of the factors involved with interpersonal communication, and (3) to increase their skills and strategies for managing problems of interpersonal communication.

**CSS 3312 Nonverbal Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

Nonverbal codes in human interaction in various communication situations.

**CSS 3314 Cross-Cultural Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

The theory and research of cross-cultural communication, exploring similarities and differences in communication across cultures.

**CSS 3316 Persuasion and Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

A consideration of theoretical and practical aspects of persuasive communication, centering on a discussion of various findings by experimental researchers about the nature of the audiences and messages involved in the persuasive process.

**CSS 3393 Rhetoric and Contemporary Culture (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

An introduction to the principles of rhetorical criticism, with emphasis on evaluation of contemporary speeches, films, music, television, and the Internet.

**CSS 3395 Theories and Methods of Visual Communication (3)**

Pre-requisite(s): CSS 1301, 1302, or 1304

General theories and methods used to analyze visual communication. Considers several divergent schools of thought on the study of visual communication, including aesthetics, representation, semiotics, psychoanalysis, narrative, cultural studies, media studies, and rhetorical studies.

**CSS 4301 Organizational Communication (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Communication within the organization and its relationship to organizational structure, roles, leadership, and management orientations.

**CSS 4302 Communication Training and Development (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Theory and practice of performing and supervising training activities in an organizational setting. Emphasis on the design, execution, and evaluation of communication training and development programs and strategies.

**CSS 4303 Leadership and Communication (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
The intersection between leadership and communication, emphasizing the theory, research, and practice of leadership communication.

**CSS 4304 Advanced Small Group Theory and Practice (3)**

Pre-requisite(s): CSS 1301 or 1302 and CSS 3304; and upper-level standing or consent of instructor  
Examines advanced and complex types of small-group interaction, leadership, and collaboration. Taught in London.

**CSS 4305 Nonprofit Organizational Communication (3)**

Pre-requisite(s): CSS 4301  
Survey of communication dynamics and issues in nonprofit organizations. Emphasis on assessing and developing best practices in external and internal communication. Course topics include: stakeholder messaging, interorganizational collaboration, member relationships, and role development.

**CSS 4306 Advanced Interviewing (3)**

Pre-requisite(s): CSS 3306 or consent of instructor  
Application of survey and probing interview techniques with emphasis on career development.

**CSS 4310 Politics and Communication (3)**

Cross-listed as PSC 4310  
See PSC 4310 for course information.

**CSS 4311 Conflict and Communication (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
The role of communication in managing conflict in interpersonal, group, organization, and community contexts.

**CSS 4312 Systemic Inquiry (3)**

Pre-requisite(s): Upper-level standing  
Examines advanced and complex types of communication contexts involving relational and group facilitation strategies, systemic interviewing practices, and the development of a basic understanding of systemic inquiry as a communication management strategy. Taught in London.

**CSS 4313 Communication and the Family (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Survey of communication issues related to theory and research regarding relationships within the modern family system.

**CSS 4314 Communication Assessment in Organizational Settings (3)**

Pre-requisite(s): CSS 4301 or consent of instructor  
Design and implement a communication assessment of for-profit or non-profit organizations.

**CSS 4315 Health Communication (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Health communication theory and practice, including patient-provider communication, healthcare organizational communication, and health information technology.

**CSS 4316 Advanced Interpersonal Communication (3)**

Pre-requisite(s): CSS 3311 and upper level standing or consent of instructor  
Advanced survey of theory and research regarding communication and personal relationships.

**CSS 4317 Narrating Health Across Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Examines pervasive health narratives, including best practices for the communication surrounding illness both from those living with the illness and those in support roles.

**CSS 4318 Communication and New Technology (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
The ways in which communication is facilitated by new technologies with an emphasis on various theories related to computer-mediated communication and new communication technology.

**CSS 4319 Cultural Approaches to Health Communication (3)**

Pre-requisite(s): Upper level standing or consent of instructor  
Examination of the influence of culture on communicative aspects of individuals' health.

**CSS 4336 Seminar in Contemporary Communication Issues (3)**

Pre-requisite(s): Consent of instructor  
Seminar topics vary each semester. May be repeated once with change in topic.

**CSS 4350 Rhetoric of Women and Gender (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Analyzes the historical fight for women's rights and contemporary arguments about gender-based rights through the tools of rhetorical criticism.

**CSS 4351 Criticism of Contemporary Public Address (3)**

Cross-listed as PSC 4351  
Pre-requisite(s): Upper-level standing or consent of instructor  
Significant public speeches in contemporary society, with emphasis on applying principles and methods of rhetorical criticism.

**CSS 4352 Corporate Advocacy and Public Policy (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Influence of contemporary organizations on public attitudes and public policy through analysis of communication campaigns during both favorable and unfavorable conditions.

**CSS 4353 Public Discourse and Foreign Policy (3)**

Cross-listed as PSC 4335

Pre-requisite(s): Upper-level standing

An analytical approach to the discourse generated by United States foreign policy in the post-World War II era. Topics covered include the nature of public opinion and foreign policy, rhetorical and political constraints on foreign policy discourse, and in-depth analysis of the arguments for and against the conflict in Vietnam.

**CSS 4354 African American Communication (3)**

Cross-listed as PSC 4340

Pre-requisite(s): Upper-level standing

Rhetorical strategies of African Americans, focusing on the historically important documents of oratory, argumentation, homiletic, and narrative.

**CSS 4380 Internship in Communication (3)**

Pre-requisite(s): Fifteen hours in major and consent of instructor  
Work at appropriate employment site for academic credit to accommodate career needs of communication students. Internships must be approved by the department director of internships. May be repeated for a total of six hours.

**CSS 4392 Rhetorics of Race (3)**

Exploration of ideas about communication, rhetoric, and race. Emphasis on rhetorical criticism as a methodological approach to public discourse and analysis of race as understood in contemporary American culture.

**CSS 4394 Rhetorical Theory (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Selected theories of persuasion in Western culture from the Greco-Roman period to the present. Topics covered include the relationship of rhetoric and poetic, arguments for a behavioristic approach to rhetoric, and contemporary claims concerning rhetoric as a way of knowing.

**CSS 4395 Visual Rhetoric (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Theories and methodologies pertaining to visual rhetoric.

**CSS 4396 American Rhetoric (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Origin and development of rhetoric in American social movements, with emphasis on the characteristics of various types of communication situations and the discovery, analysis, and evaluation of common persuasive strategies.

**CSS 4397 Public Discourse and the Classic Liberal Tradition (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Analysis of major speeches, pamphlets, and essays in England and America on politics and political change from the early seventeenth century through the American Revolution. Topics addressed include the birth of the public sphere, church and state relations, and natural rights.

**CSS 4399 Workshop in Directing the Speech Program (3)**

Pre-requisite(s): Consent of instructor  
Intended primarily for directors of speech activities in high schools and colleges. May be repeated once for credit.

**CSS 4V85 Special Problems in Communication (1-6)**

Pre-requisite(s): Fifteen semester hours in communication and consent of instructor

A conference course designed to give individual students opportunities for additional work in their area of concentration in the Department of Communication. One to three hours may be earned in a semester. May be repeated once with change in content for a total of 6 hours.

## Computer Science (CSI)

**CSI 1095 Computer Science First-year Seminar (0)**

Pre-requisite(s): Restricted to Computer Science majors  
The CS First-Year Seminar is designed to assist new students in making a successful transition from learning in high school (or from another college) to learning at Baylor

Students are guided to accept responsibility for their learning and to understand practices and values that will impact their undergraduate experience; to further instill practicing values that will lead to academic success; and to connect with other new students and faculty members in the department and across campus for the main purpose of helping them be successful in the department of Computer Science, Baylor, and beyond.

**CSI 1130 Introduction to Python for non-majors (1)**

Introduction to programming using the python language. Topics covered include basic data types, writing programs using sequence, branch and loop and using functions from advanced libraries. This course assumes no prior programming experience and does not count towards the computer science degree.

**CSI 1337 Introduction to Video Game Design (3)**

This course will introduce students to the theory and application of video game design. Students will work in teams to create video games in a game development engine. The students will also learn theory behind good game design, including the use of game rules to enhance gameplay, the creation of virtual worlds, and the use of games as a social experience. No prior programming experience is required.

**CSI 1401 Introduction to Programming I (4)**

An introduction to computer science for non-majors, emphasizing computational thinking, problem-solving, small-scale programming, and applications. This includes basic programming constructs such as data, variables, functions, conditionals, loops, lists, files, sets, dictionaries, object-oriented programming, and problem solving. Applications will include image processing, numerical computing, and graphics.

**CSI 1402 Introduction to Programming II (4)**

Pre-requisite(s): C or better in CSI 1401 or CSI 1430  
An advanced introduction to computer science for non-majors emphasizing problem-solving, computational thinking, small-scale programming and applications

This includes more advanced programming concepts such as data structures, class objects, object oriented programming and algorithm analysis.

**CSI 1430 Introduction to Computer Science I with Laboratory (4)**

Introduction to computers, problem solving and algorithm development. Design, code, debug and document programs using techniques of good programming style and C++ programming language. Laboratory experiments and examples will be used to illustrate and reinforce concepts taught in the lectures.

**CSI 1440 Introduction to Computer Science II with Laboratory (4)**

Pre-requisite(s): CSI 1430 with a grade of C or better  
Continuation of CSI 1430. Introduction to basic aspects of arrays, pointers, classes, inheritance, polymorphism, virtual functions, linked lists, stacks, queues, and binary trees.

**CSI 1V90 Special Topics in Freshman Computer Science (1-4)**

For undergraduates who wish to study introductory topics not available in formal courses within the major. Course may be repeated with a change in content or topic.

**CSI 2300 Introduction to Data Science (3)**

Cross-listed as STA 2300

Principles of data science, including problem workflow, variable types, visualization, modeling, programming, data management and cleaning, reproducibility, and big data.

**CSI 2334 Introduction to Computer Systems (3)**

Pre-requisite(s): Minimum grade of B in CSI 1440; Minimum grade of C in CSI 2350 or concurrent enrollment

An introduction to the structure of computer systems and the relationship between software and hardware. Topics include computer organization and representation of information in a computer. An assembly language will be used for programming assignments to illustrate the relationship between high-level languages and machine operations and interpretation of software.

**CSI 2350 Discrete Structures (3)**

Pre-requisite(s): Minimum grade of B in CSI 1440 or concurrent enrollment OR minimum grade of C in CSI 1402 or concurrent enrollment; MTH 1321 or concurrent enrollment

An introduction to the foundations of discrete structures as they apply to computer science, focusing on providing a solid theoretical foundation for further work. Topics include sets, ordered structures, graph and trees, functions, proof techniques, number systems, logic, Boolean algebra, etc.

**CSI 3101 Computers in Society (1)**

Pre-requisite(s): A CSI or BINF major with at least junior-level standing; or consent of instructor

Study of computer ethics, risks, privacy, ownership of software, responsibility and liability, computer crime, and professional codes of conduct as they relate to society.

**CSI 3303 Information Technology (3)**

Topics covered will include hardware and software systems, social and ethical issues, information search strategies for research, and personal and organizational security issues (not applicable to a major in computer science).

**CSI 3324 Numerical Methods (3)**

Cross-listed as MTH 3324

Pre-requisite(s): Minimum grade of C in both CSI 1430 and MTH 1321  
Numerical differentiation and integration, linear systems of equations, numerical solutions of ordinary differential equations, curve fitting, and computational techniques.

**CSI 3334 Data Structures (3)**

Pre-requisite(s): CSI 1440 with a grade of B or better; and CSI 2350 with a grade of C or better

Software design and construction with abstract data types. Description, performance and use of commonly-used algorithms and data structures including lists, trees, and graphs.

**CSI 3335 Database Design and Applications (3)**

Cross-listed as DSC 3335

Pre-requisite(s): CSI 3344 with a grade of C or better or CSI 1402 with a grade of C or better

Current relational database design concepts including ER diagrams and normalization. Database access techniques such as SQL and JDBC. Database issues including performance and security. Web-database applications.

**CSI 3336 Systems Programming (3)**

Pre-requisite(s): CSI 2334 and 3344 with a grade of C or better

The organization and structure of computer systems, basic concepts of an operating system, command line interpreter, script programming, and system calls. Programming projects in Unix and C programming language.

**CSI 3338 Computer Organization (3)**

Cross-listed as ELC 3338

See ELC 3338 for course information.

**CSI 3342 Principles of Software Design (3)**

Pre-requisite(s): CSI 3335

An introduction to object-oriented analysis and design. Iterative development; identification of requirements; software development process; UML notation, models and methods; and introduction to design patterns. Software project using an object-oriented language.

**CSI 3344 Introduction to Algorithms (3)**

Pre-requisite(s): Minimum grade of C in CSI 3334

This course will provide a comprehensive introduction to computer algorithms taken from diverse areas of application. This course will concentrate on algorithms of fundamental importance and on analyzing the efficiency of these algorithms.

**CSI 3371 Software Engineering I (3)**

Co-requisite(s): CSI 3130

Pre-requisite(s): CSI 3334

Fundamentals of Software Engineering; software development processes, requirements analysis, modular design and implementation of software systems, software testing and evolution. A small project to illustrate and extend concepts from lectures.

**CSI 3372 Software Engineering II (3)**

Pre-requisite(s): CSI 3344 and CSI 3471 with a grade of C or better

An engineering approach to software development emphasizing design patterns and techniques for enterprise application development. Completing software project applying development process.

**CSI 3373 Software Quality Assurance and Testing (3)**

Pre-requisite(s): Minimum grade of C in CSI 3471

Quality, how to assure it and how to verify that it exists; the need for a culture of quality; how to avoid errors; inspections and reviews; verification versus validation; testing, verification, and validation techniques; process assurance and product assurance; quality process standards; faults; problem analysis and reporting; and statistical approaches to quality control.

**CSI 3374 Software Project Management (3)**

Pre-requisite(s): Minimum grade of C in CSI 3471 or minimum grade of C in DSC 4310

Project planning, cost estimation, and scheduling; project management tools; factors influencing productivity and success; productivity metrics; analysis of options and risks; planning for change; management of expectations; release and configuration management; software process standards and process implementation; and software contracts and intellectual property.

**CSI 3439 Computer Architecture (4)**

Pre-requisite(s): CSI 2334 with a grade of C or better

Continued study of computer organization, focusing on hardware structure and implementation. Topics include digital logic CPU organization and microprogramming, memory organization, and input/output structures.



**CSI 3471 Software Engineering I (4)**

Pre-requisite(s): A minimum grade of C in CSI 3344 or concurrent enrollment; and a minimum grade of C in CSI 3334

Introduction to UML notation; constructing and interpreting use cases; interpreting UML models; introduction to design patterns; introduction to testing; introduction to configuration management; Java as a second language; and implementing a graphical user interface. Laboratory assignments and a small project illustrate and extend concepts from lectures.

**CSI 3V90 Special Topics in Intermediate Computer Science (1-4)**

Pre-requisite(s): Instructor approval required

For undergraduates who wish to study intermediate topics not available in formal courses within the major. Course may be repeated with a change in content or topic.

**CSI 3V95 Internship Experience (1-3)**

Pre-requisite(s): Computer Science major; consent of instructor  
Department arranged/approved summer intern work experience in computer science-related position. Includes a minimum of eight weeks of employment.

**CSI 4010 Undergraduate Research Seminar (0)**

Pre-requisite(s): Consent of instructor

Introduction of computer science research opportunities to interested computer science undergraduates.

**CSI 4111 Cybersecurity Laboratory (1)**

Pre-requisite(s): Minimum grade of C in CSI 3334 or concurrent enrollment

This is a laboratory course that will emphasize both offensive and defensive security techniques in an applied laboratory environment. The course may be taken 3 times to earn an upper division elective.

**CSI 4144 Competitive Learning (1)**

Pre-requisite(s): CSI 3334 and consent of instructor

Students in the course will learn and implement algorithms to solve programming challenges. Topics include graph algorithms, backtracking search, simulation, geometry, combinatorics, number theory, sorting, searching, parsing, and output formatting. The course may be taken up to 3 times for credit.

**CSI 4301 Cultural Impact of the Computer (3)**

Pre-requisite(s): Upper-level standing

Issues related to the creation and use of computer technology, considered within the broader context of technology and culture. Includes all topics from CSI 3101 as a subset.

**CSI 4321 Data Communications (3)**

Pre-requisite(s): Minimum grade of C in CSI 3336

Fundamentals of computer networking including data transmission, communication software, protocols, simple networks and internetworking.

**CSI 4322 Numerical Analysis (3)**

Cross-listed as MTH 4322

See MTH 4322 for course information.

**CSI 4323 Introduction to Cybersecurity (3)**

Pre-requisite(s): Minimum grade of C in CSI 3471

Minimum grade of C in CSI 3335 and CSI 4321 or concurrent enrollment. This course provides an overview of cybersecurity threats, vulnerabilities, and defensive mitigations. The course will emphasize both theoretical concepts and practical application with critical thinking. Example topics include: authentication, access control, malware, intrusion, firewalls, encryption, software security, auditing/monitoring, and risk management.

**CSI 4325 Advanced Cybersecurity (3)**

Pre-requisite(s): Minimum grade of C in CSI 4321 and CSI 4323

This course provides additional depth and application of the cybersecurity concepts introduced in CSI 4323 (Introduction to Cybersecurity). Example topics include: penetration testing, cyber resilience, trusted computing, reverse engineering, network situational awareness, security architecture, incident handling, threat intelligence, and forensics.

**CSI 4328 Numerical Linear Algebra (3)**

Cross-listed as MTH 4328

See MTH 4328 for course information.

**CSI 4330 Foundations of Computing (3)**

Pre-requisite(s): CSI 3344 with a grade of C or better

Theoretical concepts that form the basis of computer science, including regular languages, context-free languages, Turing-decidable languages, nondeterminism, parsing, NP\_Completeness, and undecidability.

**CSI 4335 Database Design I (3)**

Pre-requisite(s): CSI 3342

Concepts for current relational database design and implementation, including SQL, ER diagrams, normalization, JDBC, XML and DBMS components. Semester project designing a relational database.

**CSI 4336 Introduction to Computation Theory (3)**

Pre-requisite(s): CSI 3344 with a grade of C or better

Several models of computation and their related languages. Topics will include finite automata and regular languages, push-down automata and context-free languages, linear-bounded automata and context-sensitive languages. Turing machines and phrase structure languages, closure properties, decidability results, non-determinism.

**CSI 4337 Introduction to Operating Systems (3)**

Pre-requisite(s): C or better in CSI 3336

Operating system design and implementation. Topics include process control and synchronization, memory management, processor scheduling, file systems, and security. Course projects implement parts of an operating system.

**CSI 4341 Computer Graphics (3)**

Pre-requisite(s): C or better in CSI 3334 and MTH 2311 or 2321

Introduction to graphic representation and display of information and objects by computer. Topics include hardware display technology and algorithms for two-dimensional and three-dimensional graphics. A current graphic system model will be used for programming assignments.

**CSI 4342 Gaming Platform Frameworks (3)**

Pre-requisite(s): CSI 4341 with a grade of C or better

Game Framework Design and Development. An introduction to game development platforms. Topics include: Game design principles, project management, game-related algorithms/mathematics, game physics, game audio/video, AI, development tools, and real-time systems.

**CSI 4344 Object-Oriented Development (3)**

Pre-requisite(s): CSI 3342

Object-oriented analysis and design methods. Group software projects.

**CSI 4352 Introduction to Data Mining (3)**

Pre-requisite(s): Minimum grade of C in CSI 3335, Minimum grade of C in CSI 3344

Introduction to the concepts, techniques, and applications of data warehousing and data mining. Topics include design and implementation of data warehouse and OLAP operations; data mining concepts and methods such as association rule mining, pattern mining, classification, and clustering; applications of data mining techniques to complex types of data in various fields.



**CSI 43C8 Gaming Capstone Design Project (3)**

Pre-requisite(s): Minimum grade of C in CSI 3372, Minimum grade of C in CSI 4321, Minimum grade of C in CSI 4337, Minimum grade of C in CSI 4342, and senior standing

A semester long project course in which students will create a gaming system. The project requires applying information technology according to established design management practices, including technical presentations (oral and written) by all students.

**CSI 43C9 Capstone Design Project (3)**

Pre-requisite(s): Senior standing and Minimum grade of C in CSI 3335, Minimum grade of C in CSI 3372, Minimum grade of C in CSI 4321, and Minimum grade of C in CSI 4337

A semester-long project course in which students will create a computing system. The project requires applying information technology according to established design management practices, including technical presentations (oral and written) by all students.

**CSI 4V96 Special Topics in Computer Science (1-9)**

Pre-requisite(s): Consent of instructor is required

## Computer Science Fellows (CSF)

**CSF 3001 Independent Reading Survey (0)**

Co-requisite(s): CSF 3102

Exit survey taken at the end of two semesters of junior readings and research to summarize a student's independent readings and research, and to ascertain readiness for the senior thesis.

**CSF 3101 Advanced Readings and Research I (1)**

A one-credit-hour course that is designed to facilitate the beginning phase of the CS Fellows thesis project. The course is conducted under the direction of the director of the CS Fellows program and a faculty research advisor from the student's department, concentration area, or area of research.

**CSF 3102 Advanced Readings and Research II (1)**

Pre-requisite(s): CSF 3101 or concurrent enrollment

Continuation of CSF 3101. Continued exploration in the Fellow's research field through advanced readings and/or laboratory or field-work procedures, research, writing, and conversations with professors. Includes submission of a formal thesis proposal.

**CSF 4001 Senior Exit Survey (0)**

Co-requisite(s): CSF 4302

Pre-requisite(s): Completion of CSF 3102 and CSF 3001, and approval of the CS Fellows Director

Required during the final undergraduate semester for all Computer Science Fellows. Ensures that all CS Fellows requirements have been satisfied.

**CSF 4302 Fellows Thesis (3)**

Co-requisite(s): CSF 4001

Pre-requisite(s): CSF 4V01 and approval of the CS Fellows Director  
Thesis with final deliverables that include a complete research paper, any client-specific documentation, and a functional prototype.

**CSF 4V01 Research/Fellows Thesis I (1-3)**

Pre-requisite(s): Completion of CSF 3102 and CSF 3001, and approval of CS Fellows Director

Fellows will work with their Research Advisor to determine the scope of work required for their research/thesis. Culmination of this course is the submission of the outline, first chapter, and bibliography to the Research Advisor and CS Fellows Director.

## Curriculum & Instruction (EDC)

**EDC 3309 Curriculum and Instruction for All-Level Certification (3)**

All-Level Curriculum and Instruction gives the students information and experiences in the decision-making process of creating an effective learning environment for both elementary and secondary students. The course is designed to provide the student with the expertise to discharge the multiple responsibilities associated with teaching in a professional manner.

**EDC 3319 Christian Education for Family Life Ministries (3)**

This course will develop creative and specialized ministries that meet the needs of persons in ministry. It will help ministers to guide and counsel persons throughout the human growth developmental process. It will help persons in ministry develop, evaluate, and administer curriculum plans. Also, it will enable church members to perform functions of church education.

**EDC 3336 Adult Literacy Instruction (3)**

A study of adult literacy instructional techniques and materials. A practicum is included.

## Data Science (DSC)

**DSC 2334 Computing and Computer Fundamentals (3)**

Pre-requisite(s): C or better in CSI 1402 or CSI 1440; C or better in DSC 2350 or CSI 2350 or concurrent enrollment

An introduction to the structure of computer systems and the relationship between software and hardware. Topics include computer organization and representation of information in a computer. Programming assignments will be used to illustrate the digital representation of data, the fundamental tasks associated with an operating system, network communications, etc.

**DSC 2350 Discrete Structures for Data Science (3)**

Pre-requisite(s): C or better in CSI 1402 or concurrent enrollment; MTH 1321 or concurrent enrollment

An introduction to the foundations of discrete structures as they apply to data science, focusing on providing a solid theoretical foundation for further work. Topics include sets, ordered structures, graph and trees, functions, proof techniques, number systems, logic, Boolean algebra, etc.

**DSC 3310 Cloud Computing (3)**

Pre-requisite(s): C or better in DSC 3335

This cloud computing course focuses on practical hands-on experience with modern cloud computing ecosystems. It features content based on active engagement with public cloud services and real-world experiences. Students will be introduced to contemporary coding paradigms designed for horizontally scalable computing environments.

**DSC 3334 Algorithms and Data Structures (3)**

Pre-requisite(s): C or better in CSI 1402

Analysis of the use of appropriate data structures to hold and process large amounts of data. Application of the data structures using data science and machine learning algorithms and discussion of the algorithms' runtimes.

**DSC 3335 Database Design & Application (3)**

Cross-listed as CSI 3335

See CSI 3335 for course information.

**DSC 3344 Analytics for Machine Learning (3)**

Pre-requisite(s): C or better in DSC 3334

An introduction to the data analytics used in machine learning, including descriptive statistics, probability and counting theory, samples and probability distributions, inferential statistics, linear regression, principal component analysis, and non-parametric analysis. Ethics in data analytics are also discussed.

**DSC 4310 Machine Learning (3)**

Pre-requisite(s): C or better in DSC 3335 and 3344

This course provides an introduction to the fundamental methods and theory of modern machine learning. Machine learning algorithms covered include: shallow, mid-level, and deep learning models and their applications as well as unsupervised learning and reinforce learning techniques.

**DSC 4320 Data Visualization (3)**

Pre-requisite(s): CSI 2300

Investigation of the various techniques for creating effective visualizations, incorporating principles of graphic design, cognitive and perceptual psychology, data analysis, and human factors evaluations. Using the growing toolbox for visual description and presentation, students apply visualization techniques and build novel visualization tools for solving complex problems.

**DSC 4354 Cybersecurity for Data Science (3)**

Pre-requisite(s): C or better in DSC 3310 or concurrent enrollment; C or better in DSC 3344 or concurrent enrollment

Provides an overview of cybersecurity threats, vulnerabilities, and defensive mitigations. The course emphasizes both theoretical concepts and practical application with critical thinking. Example topics include: authentication, access control, malware, intrusion, firewalls, database and cloud security, auditing/monitoring, and risk management.

**DSC 43C8 Big Data (3)**

Pre-requisite(s): C or better in DSC 3310; C or better in DSC 4310; C or better in DSC 4320

This course investigates how the data parallel paradigm can be extended to the distributed case, using modern big data tools. Parallel programming models will be investigated in detail. Key issues related to distribution, like latency and network communication will be considered and how they can be addressed effectively for improved performance.

**DSC 43C9 Data Science Capstone (3)**

Pre-requisite(s): C or better in DSC 43C8

A semester-long project course in which students will create a computing system. The project requires applying information technology according to established design management practices, including technical presentations (oral and written) by all students.

**DSC 4V96 Special Topics in Data Science (1-3)**

Pre-requisite(s): Consent of department chair  
Study of advanced topics in data science.

## Economics (ECO)

**ECO 1305 Issues in Economics for Non-Business Majors (3)**

Note: ECO 1305 does not count towards either an economics major or a business degree. This course provides an introduction to basic economic concepts, models, and tools used in economic analysis. In order to develop an appreciation for the value of economic analysis, applications are emphasized throughout the course. Students have the opportunity to apply the tools of economic analysis to a variety of issues including price controls, taxes, poverty, pollution, discrimination, competitive and monopolistic markets, economic growth, inflation and unemployment.

**ECO 1380 Introduction to Economic Analysis and Policy (3)**

Pre-requisite(s): Admission in the University Scholars Program, Baylor Business Fellows Program, Hankamer Scholars, or Honors Program; or consent of department

The nature and outcomes of economic decision-making at the individual, market, and aggregate levels. Rooted in traditional neoclassical economics and augmented with insights from the literature on transactions costs and institutions. Special attention is paid to questions of morality underlying economic decision-making.

**ECO 2306 Principles of Microeconomics (3)**

Pre-requisite(s): Cumulative GPA of 3.0 or higher

Microeconomic analysis including the theories and applications of demand, production, industrial organization, international trade, and Christian ethics in economic decisions.

**ECO 2307 Principles of Macroeconomics (3)**

Pre-requisite(s): Cumulative GPA of 3.0 or higher

A minimum grade of C in ECO 2306. A study of basic economic concepts, business organization, economic role of government, national income analysis, national income theory, money and banking, and the business cycle.

**ECO 3305 Money and Banking (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and 2307; and a minimum grade of C in MTH 1309 or MTH 1321

A study of the structure and functioning of American financial institutions; the functioning of financial markets and the nature of security prices and interest rates; the basic concepts of bank management; the nature of money and the role of the central bank in its creation; the basic structure of the economy and the impact of monetary actions on this structure; and the basic tenets of Monetarism and modern Keynesian monetary theory.

**ECO 3306 Intermediate Microeconomic Analysis (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and 2307; and a minimum grade of C in MTH 1309 or MTH 1321

Designed to provide an intensive study of contemporary microeconomic theory. Topics include consumer demand; market structure; production theory; the nature and behavior of costs; the pricing and allocation of productive resources; and the distribution of income. Emphasis is given to the use of these tools in business decision making.

**ECO 3307 Intermediate Macroeconomic Analysis (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and 2307; and a minimum grade of C in MTH 1309 or MTH 1321

Theories of long-term growth and short-term fluctuations in national economies, with emphasis on the macroeconomic implications of government policy. Topics include the national income accounting, long-run economic growth, unemployment, inflation, interest rates, exchange rates, international trade and investment, alternative theories of the business cycle, monetary policy, and fiscal policy.

**ECO 3308 Engineering Economic Analysis (3)**

Designed to provide an economic foundation for engineering decisions.

The course stresses methods for making optimum choices among engineering alternatives. Topics include cash flow and present value analysis; break-even analysis; the impact of taxes and inflation on investment decisions; methods for assigning costs; the treatment of risk in decision making; and capital budgeting. (Will not count toward a major in economics.)

**ECO 3331 International Economics (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306 and ECO 2307; and junior standing

International trade theories, trade policies and their effects, regional economic integration, international economic organizations, trade problems of less developed countries, determination of exchange rates, and functioning of the international monetary system. A student may not earn credit in both ECO 3331 and INB 3332.

**ECO 3355 Introduction to the Economics of Poverty and Discrimination (3)**

Cross-listed as SOC 3355

Pre-requisite(s): Upper-level standing; not open to pre-business or business students

This course develops and applies basic economic concepts to questions of poverty, inequality, and discrimination in the United States, and to global poverty issues. Special attention will be paid to the contribution economic principles can make to understanding family structure, participation in the labor force, and gender and racial discrimination. Attention will also be paid to evaluating public policies designed to ameliorate poverty and discrimination, including social insurance, welfare programs, minimum and living wage laws, and equal opportunity policies. No previous knowledge of economics is necessary; all necessary economic principles will be developed in this class. (Will not count toward a major in economics.)

**ECO 3390 Topics in Economics (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and 2307; and a minimum grade of C in MTH 1309 or MTH 1321

Topics in the study of economics not covered by regular course offerings. Course may be repeated once for credit when topics vary.

**ECO 4306 Welfare Economics (3)**

Pre-requisite(s): A minimum grade of C in ECO 3306

Economic efficiency and its implications for social organization, human flourishing, and policy. Defining, measuring, and finding the means of achieving optimal human wellbeing. Pareto efficiency and the conditions necessary for it based on the Fundamental Theorems of welfare economics, and its application to markets, private organizations, government, and policy choices.

**ECO 4312 Business Cycles and Forecasting (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and 2307; BBA students must be admitted to the Business School in order to take this course

Examines basic causes of fluctuation in business activity. Topics include an examination of exogenous and endogenous influences on Gross National Product and other measures of economic activity, and the relationship between cycles in Gross National Product and cycles in particular industries and companies. The course emphasizes methods and techniques currently in use by business forecasters.

**ECO 4314 Behavioral and Experimental Economics (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306; BBA students must be admitted to the Business School in order to take this course

Application of the scientific method to economics using laboratory experimentation to test economic theories about individual and group behavior. Introduction of insights to economic modeling from psychology and other social sciences. Emphasis on the frontiers of research through study of journal articles.

**ECO 4316 Economics of Firms, Industries, and Markets (3)**

Pre-requisite(s): ECO 3306; BBA students must be admitted to the Business School in order to take this course

Examines the economic organization of industry; a survey of major theoretical and applied issues in the field of industrial organization. Topics include theory of the firm, the welfare consequences of competition and market power, goals of the firm and market effects, collusion, mergers, price discrimination, product differentiation, predation, and public policy.

**ECO 4317 The Economics of Regulation (3)**

Pre-requisite(s): A minimum grade of C in ECO 3306

The impact of government on market outcomes and business decision-making. Topics covered include the historical development of business and public policy, the current state of antitrust enforcement; issues involving multinational corporations; the basis for regulated markets and forces favoring deregulation; the impact of consumer protection laws, environmental protection policies, occupational and safety enforcement; and affirmative action policies on business; and the outlook for government and business relations in the future.

**ECO 4318 Law and Economics (3)**

Pre-requisite(s): A minimum grade of C in ECO 3306

Interrelationship of microeconomic theory and the law. The course looks at both the effects of law on economic activity and the effects of economic forces on the development of the law. Particular areas of law that will be discussed include property, contracts, torts, and procedure.

**ECO 4319 Game Theory (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306; BBA students must be admitted to the Business School in order to take this course

An elementary examination of the theory of games and strategic behavior with an emphasis on applications. Topics discussed include strategic form games, extensive form games, and games of asymmetric and incomplete information. Various equilibrium concepts will be discussed. Applies game theoretic concepts to strategic behavior in the social sciences, particularly economics and political science, with applications ranging from cartel behavior to international diplomacy.

**ECO 4320 The Economics of Government (3)**

Pre-requisite(s): A minimum grade of C in ECO 3306 Sources of public revenues, problems of the revenue system, public expenditures and budgeting, and public borrowing

**ECO 4321 Energy Economics (3)**

Cross-listed as AVS 4321

Analysis of energy markets, with a focus on static and dynamic efficiency. Oil, natural gas, coal, nuclear, and renewables (including wind, solar, hydro, geothermal, and biofuels). Regulation and deregulation in electricity and natural gas markets. Energy derivatives. Policy issues related to market externalities, including pollution and climate change.

**ECO 4323 The Environment and Economic Analysis (3)**

Cross-listed as AVS 4323, ENV 4323

See ENV 4323 for course information.

**ECO 4325 Urban and Regional Economic Analysis (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and ECO 2307; junior standing; BBA students must be admitted to the Business School in order to take this course

Focuses on the use of economic tools to analyze the key intraregional markets-land and housing, transportation, labor and public services and examines their public policy implications. Also examines interregional relationships, the growth and decline of cities, and the economics of urbanization.

**ECO 4333 Foreign Exchange Markets (3)**

Cross-listed as INB 4333

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306 and 2307; junior standing; BBA students must be admitted to the Business School in order to take this course

Description and analysis of currency markets, emphasizing their roles in the business environment. Topics include spot forward, futures, and options markets, currency, and interest rate swaps, models of exchange rate determination, the operation and relative merits of fixed and flexible exchange rate systems, and the management of exchange rate risk by business.

**ECO 4334 Economic Development (3)**

Cross-listed as INB 4334

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306 and 2307; junior standing; BBA students must be admitted to the Business School in order to take this course

Critical analysis of current explanations of economic growth and development, involving historical aspects, policies for achieving development in emerging countries, and conditions necessary for continued growth in advanced countries.

**ECO 4335 Asian Economic Development (3)**

Cross-listed as AST 4335, INB 4335

Pre-requisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; junior standing; BBA students must be admitted to the Business School in order to take this course

A survey of the evolution of selected economies of Asia, with the aim of identifying in each case those conditions and policies which have aided or hindered economic progress.

**ECO 4336 Economics of Labor (3)**

Pre-requisite(s): ECO 3306; BBA students must be admitted to the Business School in order to take this course

Neoclassical approach to labor market analysis. Special attention is paid to the study of labor market phenomena from a microeconomic perspective, including the theory of wage rate determination, the concept of investment in human capital, the problems of race and sex discrimination, unemployment, and the impact of unionization on the structure of wages. Upon completion of this course a student will have a general working knowledge of the state of the art in labor market analysis and research.

**ECO 4338 Economic Systems of the World (3)**

Cross-listed as AST 4338, INB 4338

Pre-requisite(s): Junior standing; BBA students must be admitted to the Business School in order to take this course

An examination of the institutional structures and relative performance of representative capitalist and socialist economies of the world. Countries surveyed include the United States, Britain, France, Germany, Japan, the former Soviet Union, Hungary, China and Yugoslavia.

**ECO 4343 History of Economic Thought (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306 and 2307; junior standing; BBA students must be admitted to the Business School in order to take this course

Development of economic thought in relation to its economic and institutional background from the ancient philosophers to Alfred Marshall and neoclassical economists. Emphasis is placed on the contributions to economic thought of the founders.

**ECO 4345 Mathematical Analysis in Economics (3)**

Pre-requisite(s): A minimum grade of C in ECO 3306

Designed to acquaint the student with rudimentary mathematical techniques and their application to economic analysis.

**ECO 4347 Econometrics (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306 and 2307; a minimum grade of C in QBA 3305, STA 2381, or STA 3381; BBA students must be admitted to the Business School in order to take this course

Elementary and advanced topics in the application of statistical methods to economic inquiry. Multiple regression, forecasting, advanced estimation processes and simultaneous equation techniques are emphasized. The detection and treatment of problem areas are also examined.

**ECO 4349 Causal Inference and Research Design (3)**

Pre-requisite(s): A minimum grade of C or better in ECO 4347

Introduction to modern tools for determining the existence of causal relationships among variables. Emphasizes both the design of the research process and the use of advanced econometric techniques.

**ECO 4350 Economics of Health and Medical Care (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380, or a minimum grade of C in ECO 2306; BBA students must be admitted to the Business School in order to take this course

Economic aspects of health and medical care: theory, empirical evidence, history, institutions, and public policy.

**ECO 4351 Data Science I (3)**

Pre-requisite(s): A minimum grade of B in ECO 4347

Best practices in data collection, cleaning, manipulation, and data and code management. Methods and principles of data exploration and visualization. Unsupervised statistical learning techniques, supervised statistical learning techniques, and false discovery principles.

**ECO 4352 Data Science II (3)**

Pre-requisite(s): A minimum grade of B in ECO 4347 and 4351

Assessing model accuracy, resampling methods, model selection, regularization, and dimension reduction. Machine learning techniques and their applications in economic research.

**ECO 4355 Economic Poverty and Discrimination (3)**

Cross-listed as SOC 4355

Pre-requisite(s): Minimum grade of C in ECO 2306; BBA students must be admitted to the Business School in order to take this course  
Market and non-market issues in income determination. Emphasis on the supply and demand model and its application to the analysis of poverty and the poverty population. The effects of labor incomes and demographic and institutional factors of living standards, achievements, and shortcoming of income maintenance (welfare), equal opportunity and employment programs will be analyzed.

**ECO 4380 Economic Reasoning and Policy Analysis (3)**

Pre-requisite(s): ECO 3306, 3307, and 4347 recommended; BBA students must be admitted to the Business School in order to take this course

An integrative capstone course for economics majors in which the technique of economic analysis are applied to a wide range of issues. Emphasis on the application of basic and advanced economic theoretical and empirical techniques to the analysis of issues relevant to the student's undergraduate degree program and career goals. Basic concepts emphasized throughout the course includes the effect of incentives on behavior, the role of markets as resource allocation mechanisms, and the use of optimization analysis as a standard for comparing outcomes.

**ECO 4390 Advanced Topics in Economics (3)**

Pre-requisite(s): Minimum grade of C in ECO 3306

Advanced topics in the study of economics not covered by regular course offerings. Course may be repeated once for credit when topics vary.



**ECO 4V98 Special Studies in Economics (1-6)**

Pre-requisite(s): Not open to pre-business students

With the consent of the chair of the Department of Economics, this course may be taken for one to six semester hours of credit.

## Education (EDU)

**EDU 2305 Technology-based Communication Tools - A (3)**

Basic keyboarding skills. EDU 2305 may be taken without taking 2306. Personal communication through the use of technology. Students will use application software and the computer to facilitate learning and to meet course criteria. Lab experiences required.

**EDU 2306 Technology-based Communication Tools - B (3)**

Pre-requisite(s): EDU 2305

Continuation of EDU 2305.

**EDU 2V99 Foreign Study/Teacher Education (1-15)**

hrs.

## Educational Leadership (EDL)

**EDL 4363 Philosophy, Principles, and Administration of Human Performance (3)**

Cross-listed as HP 4363

See HP 4363 for course information.

## Educational Psychology (EDP)

**EDP 2336 The Developing Child (3)**

A study of the physical, cognitive and affective development of a child from prenatal to eighteen years of age. Emphasis is placed on current literature, research findings and developmental theories.

**EDP 2350 Teaching Gifted and Talented (3)**

Pre-requisite(s): Completion of TED 1312 or concurrent enrollment

This course provides information about characteristics of gifted and talented learners and their needs. Students will learn the role of a teacher and instructional strategies related to guided research that are then applied in one-to-one teaching experiences.

**EDP 2360 Teaching Special Education (3)**

This course provides initial preparation in the role of a special education teacher. Students will learn teaching techniques and strategies for students with mild disabilities that are then applied in a one-to-one or one-to-two teaching experience.

**EDP 3324 Learning and Development (3)**

A study of the relationship between development and learning. Physical, cognitive, personal, social, moral, and language development as well as selected theories of learning and motivation are considered. (Credit may not be earned for this course if credit is earned in EDP 3325.)

**EDP 3325 Introduction to Educational Psychology (3)**

The principles of educational psychology as applied to teaching. Content of the course includes the principles of human growth and development, learning, motivation, and measurement as they relate to the role of the teacher. Special problems related to the effect of cultural and economic factors will also be included. (Credit may not be earned for this course if credit is earned in EDP 3324.)

**EDP 3327 Assessment Theory and Exceptionality (3)**

A study of the process of collecting data for the purpose of assessing individual differences and making decisions about the education of exceptional students.

**EDP 3330 Early Childhood Intervention (ECI): An Interdisciplinary Approach (3)**

An introductory course in child development is recommended as a prerequisite. Family-centered, interdisciplinary services for young children at-risk for developmental disabilities. Students will study the history, rationale, controversies, and current best practices within the field of early intervention.

**EDP 3334 Collaborative Consultation in Special Education (3)**

Pre-requisite(s): EDP 2360; EDP 3470; EDP 3368; EDP 3660 and EDP 4352

A course emphasizing collaborative consultation processes with parents, teachers, support personnel, school administrators and students. Includes twenty hours of field experiences.

**EDP 3361 Developmental Disabilities (3)**

In this course a review of normal human development provides the basis for an in-depth study of the etiology, characteristics, treatment, and prevention of developmental disabilities including autism, cerebral palsy, learning disabilities, intellectual disabilities, and seizure disorders.

**EDP 3362 Teaching Associate Special Education Part II (3)**

Co-requisite(s): EDP 3379

Pre-requisite(s): EDP 3660 This practicum provides a field experience in the assessment, education, and management of students with moderate, severe, and profound disabilities

**EDP 3368 Assessment of Students with Mild Disabilities (3)**

Co-requisite(s): EDP 3470

Pre-requisite(s): EDP 2360

A course focusing on formal and informal assessment currently used in special education for students with mild disabilities. The completion of a case study requiring the administration, scoring, and interpretation of individual assessments is included.

**EDP 3376 Applied Behavior Analysis (3)**

Analysis and management of problem behaviors. Emphasized topics include behavior measurement techniques, functional assessment procedures, and behavior intervention methods.

**EDP 3379 Education of Students with Moderate-Severe Disabilities (3)**

Co-requisite(s): EDP 3362

Emphasis is on specially designed instruction and assessment of individuals with moderate to severe disabilities from infancy to adulthood including teaching techniques, assistive technology, and transition.

**EDP 3470 Literacy for Students with Special Needs (4)**

Co-requisite(s): EDP 3368

Pre-requisite(s): EDP 2360

A lab-based course involving application of methods for teaching oral/written language and reading to students with special needs. Includes sixty hours of field experience.

**EDP 3650 Teaching Associate Gifted Education Part I (6)**

Pre-requisite(s): Credit or concurrent enrollment in EDP 2350; and EDP 3324, and EDP 3326

In this course, teacher candidates teach small groups of gifted and talented and general education students within a specific disciplinary area that matches their certificate areas. The practicum consists of 97.5 hours in a professional development or partner school (7.5 hours per week). Teacher candidates will work with small and large groups of students. Course includes a weekly seminar.



**EDP 3660 Teaching Associate Special Education Part I (6)**

Pre-requisite(s): EDP 2360, EDP 3470, EDP 3368, and EDP 4352

A practicum of one hundred hours providing experience in adapting instruction for learners with special needs within the general education classroom. Students learn how to manage behavior, adapt lessons, individualize instruction, and correlate multi-level materials in a field-based setting. Course includes a weekly seminar.

**EDP 4341 The Adult Learner (3)**

Characteristics of the young and mature adult learners with an emphasis on intellectual and social development. An analysis of theories of adult learning is included.

**EDP 4350 Introduction to Gifted Education (3)**

Introduces students to policies, theories, and models of gifted education including talent development and advanced academic programs from elementary school through high school. Students learn specialized approaches to teaching consistent with the goals of gifted education, honors programs, and advanced academics.

**EDP 4351 Differentiated Instruction (3)**

Pre-requisite(s): EDP 2350 or EDP 2360

Historical, philosophical, and theoretical background of curriculum differentiation and specific strategies to adapt instruction for individual student differences related to rate, content, and preferences. Emphasis on best practices in differentiated instruction as demonstrated by empirical research.

**EDP 4352 Exceptionalities (3)**

Pre-requisite(s): EDP 2350 or EDP 2360 or consent of instructor

Historical foundations, laws, policies, and issues regarding definitions and the identification of individuals with exceptional learning needs, including those from culturally and linguistically diverse backgrounds.

**EDP 4379 Education of Students with Moderate-Severe Disabilities (3)**

Co-requisite(s): EDP 4377

Pre-requisite(s): EDP 3376 and admission to teacher education

Types, characteristics, etiologies, education and treatment of individuals with moderate to severe disabilities from infancy to adulthood.

**EDP 4383 Adapting Instruction for Special Needs Learners (3)**

Co-requisite(s): EDP 4378

Pre-requisite(s): EDP 3376 and admission to teacher education; EDP 4378

Students acquire various methods for adapting for learner differences within the general education classroom including redesigning direct teaching lessons, developing assessment tasks, correlating multi-level activities, individualizing, and mastery learning. Emphasis will be placed on strategies for classroom organization and management such as grouping, scheduling, room arrangement, and record keeping.

**EDP 4468 Math for Learners with Special Needs (4)**

Pre-requisite(s): EDP 2445 and admission to teacher education

A field-based course involving application of direct instruction methods in mathematics to students with a variety of learning needs. Emphasis is placed on analyzing and sequencing the essential elements of mathematics to facilitate mastery. Includes sixty hours of field experience in a multicultural setting.

**EDP 4650 Internship Gifted and Talented Part I (6)**

Co-requisite(s): EDP 4651

Pre-requisite(s): Grade of B or better in EDP 3650 and EDP 2350

Full-time teaching experience in a classroom with specific emphasis on gifted and talented students. A mentor teacher and resident faculty will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes two eighty-minute seminars per week.

**EDP 4651 Internship for Gifted and Talented Part II (6)**

Co-requisite(s): EDP 4650

Pre-requisite(s): Grade of B or better in EDP 3650 and TED 3651

Planning and preparing lessons and materials for full-time teaching with specific emphasis on gifted and talented students. Include completion of content modules, conferencing with mentor teacher and university instructor, written lesson reflections, observation of lessons taught by master teachers, and preparation of web-based portfolio.

**EDP 4660 Internship Special Education Part I (6)**

Co-requisite(s): EDP 4661

Pre-requisite(s): Grade of B or better in EDP 3660

Full-time teaching experience in a professional development school with students who have special learning needs. A special education mentor teacher and resident faculty will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes two eighty-minute seminars per week.

**EDP 4661 Internship Special Education Part II (6)**

Co-requisite(s): EDP 4660

Pre-requisite(s): Grade of B or better in EDP 3660

Planning and preparing lessons and materials for full-time teaching of students with special needs. Includes completion of content modules, conferencing with mentor teacher and university instructor, written lesson reflections observation of lessons taught by master teachers, and preparation of web-based portfolio.

**EDP 4662 Internship Special Education Part III (6)**

Co-requisite(s): EDP 4663

Pre-requisite(s): Grade of B or better in EDP 3660 and EDP 3661

Continuation of EDP 4660 and EDP 4661.

**EDP 4663 Internship Special Education Part IV (6)**

Co-requisite(s): EDP 4662

Pre-requisite(s): Grade of B or better in EDP 3660 and EDP 3661

Continuation of EDP 4660 and 4661.

**EDP 4V75 Practicum: Teaching in Today's Schools (1-6)**

Pre-requisite(s): Consent of instructor

A practicum for students in the two-semester professional development school cohort. The course provides supervised practice in all student teacher proficiencies. This experience includes practice in: classroom organization and management, assessment, planning/delivery of instruction, adapting instruction for individual needs, collaboration technology and professionalism. A minimum of 40 hours of experience is required for each hour of credit.

## Electrical & Comp Engineering (ELC)

**ELC 2130 Electrical Circuit Laboratory (1)**

Co-requisite(s): ELC 2330

Laboratory experience in electrical circuit design using discrete components, standard bench equipment, and simulation in modern CAD software.

**ELC 2137 Digital Logic Design Laboratory (1)**

Co-requisite(s): ELC 2337

Pre-requisite(s): B or better in EGR 1302

Laboratory experience in digital circuit design using modern CAD tools and programmable logic devices.

**ELC 2320 Electric Circuit Theory for non-ECE majors (3)**

Pre-requisite(s): B or better in EGR 1302; C or better in MTH 1322; C or better in PHY 1430 or concurrent enrollment

Linear circuit elements, sources, Kirchhoff's laws, mesh and node equations, Thevenin and Norton equivalent circuits, resistive network analysis, sinusoidal steady-state analysis, power, transient analysis of simple circuits. Does not apply toward the degree requirements of Electrical and Computer Engineering majors.

**ELC 2330 Electrical Circuit Theory (3)**

Co-requisite(s): ELC 2130

Pre-requisite(s): B or better in EGR 1302; C or better in MTH 1322; C or better in PHY 1430 or concurrent enrollment

Linear circuit elements, sources, Kirchhoff's laws, mesh and nodal analysis, Thevenin and Norton equivalent circuits, resistive network analysis, sinusoidal steady-state analysis, AC and DC power, transient analysis of RL, RC, and RLC circuits.

**ELC 2337 Digital Logic Design (3)**

Co-requisite(s): ELC 2137

Pre-requisite(s): B or better in EGR 1302

Boolean algebra, number systems and representations, analysis and design of combinational and sequential logic circuits, minimization, small- and medium-scale integrated devices, programmable logic, and simulation of digital circuits. (3-0).

**ELC 2V97 Special Topics or Project (1-3)**

Cross-listed as EGR 2V97

Pre-requisite(s): Consent of department chair

This course provides the opportunity for recognition of supervised, non-research, academic experiences that are in addition to degree requirements. Registration requires approval by the department chair and sponsoring faculty member. The determination of degree credits is at the time of registration. One to three hours.

**ELC 3114 Electronic Design Laboratory (1)**

Pre-requisite(s): C or better in ELC 2130; C or better in ELC 3314 or concurrent enrollment

Laboratory experience in electronic design.

**ELC 3314 Electronic Design (3)**

Pre-requisite(s): C or better in CHE 1301; C or better in ELC 2330; C or better in ELC 3335 or concurrent enrollment; C or better in ELC 3114 or concurrent enrollment

Analysis and design of analog and digital electronic circuits using diodes, bipolar transistors, and field effect transistors. Design and application of digital and analog circuits.

**ELC 3331 Electrical Networks and Systems (3)**

Pre-requisite(s): C or better in ELC 2330

AC circuits and power, magnetically coupled circuits, analysis of networks and systems by Laplace and Fourier transform and state-variable methods, two-port networks, frequency response and network functions, transmission lines, and 3-phase ac power.

**ELC 3335 Signals and Systems (3)**

Pre-requisite(s): C or better in ELC 2330; C or better in MTH 2311; C or better in MTH 3325

Analysis of signals and systems in the time domain using differential equations and convolution with the impulse response, and in the frequency domain using Fourier series, Fourier transforms and Laplace transforms with transfer functions.

**ELC 3336 Microprocessor Systems (3)**

Pre-requisite(s): C or better in ELC 2337; C or better in CSI 1430

Program development of microprocessor systems using assembly and C/C++ programming languages. Topics include processor architecture, data representation, exceptions, I/O devices, memory management, and real-time operating system principles.

**ELC 3337 Applied Electromagnetic Fields (3)**

Pre-requisite(s): C or better in ELC 2330

Vector description of the electric and magnetic properties of free space (using the laws of Coulomb, Ampere, and Faraday). Maxwell's electromagnetic field equations. Wave propagation in unbounded regions, reflection and refraction of waves, waveguides, and transmission lines.

**ELC 3338 Computer Organization (3)**

Cross-listed as CSI 3338

Pre-requisite(s): C or better in ELC 3336 or C or better in CSI 3439

Introduction to the organization and design of general purpose digital computers. Topics include instruction sets, CPU structures, hardwired and microprogrammed controllers, memory, I/O systems, hardware description languages and simulations.

**ELC 4311 Advanced Logic Design (3)**

Pre-requisite(s): C or better in ELC 3338 or concurrent enrollment

Computer-automated design of digital circuits. Functional specification; structural and behavioral modeling using hardware description languages; simulation for design verification and timing analysis; circuit synthesis for FPGA implementation; testing and fault diagnosis.

**ELC 4318 Avionics System Design (3)**

Cross-listed as AVS 4318

Design of avionics systems for civil and military aircraft. Topics include avionics system technology and architectures; system engineering principles; radar, electro-optical, and radio frequency sensors; displays; and communication and navigation systems.

**ELC 4320 Introduction to Optics (3)**

Pre-requisite(s): C or better in ELC 3335

Geometrical optics, electromagnetic waves, diffraction, interference, polarization, Fourier optics, laser fundamentals, and optical communication basics. Laboratory sessions include semiconductor laser measurement, fiber optic coupling, and Michelson interferometer setup.

**ELC 4321 Computational Photonics (3)**

Pre-requisite(s): C or better in ELC 3337

This course provides an introduction to the computational methods for optics and photonics. Topics include applied numerical methods, electromagnetism, optical waveguides, and the finite-difference time-domain method. Matlab program and commercial software will be used to model different photonic devices.

**ELC 4322 Integrated Photonics (3)**

Pre-requisite(s): C or better in ELC 3337

This course provides an introduction to wave propagation, optical waveguide theory, and integrated photonic devices. Topics include dispersion, nonlinearity, dielectric slab waveguides, fiber optics, nanophotonic devices, and nanofabrication techniques. Students will learn fundamentals of scanning electron microscopy, atomic force microscopy, and focused ion beam technologies. It includes a hands-on simulation component using photonic design software.

**ELC 4323 Solid-State Materials (3)**

Pre-requisite(s): C or better in ELC 3337

Investigation of the materials used in electrical and optical devices, including metals, insulators, and semiconductors. Topics include crystal structure, quantum theory, band structure, thermal, electrical, and optical properties, and dielectric, magnetic, and superconducting properties of solids.

**ELC 4324 Semiconductor Devices (3)**

Pre-requisite(s): C or better in ELC 3337 and Senior Standing

Topics will include an introduction to semiconductor materials (optical and electronic properties), p-n junctions, transistors, bipolar junction transistors, field effect transistors, light-emitting diodes, lasers, and photodetectors.

**ELC 4325 Fundamentals of Lasers (3)**

Pre-requisite(s): C or better in ELC 3337 and Senior Standing

Introduction to the principles of operation of lasers, including interaction of light and matter, spontaneous and stimulated emission, optical gain and absorption, population inversion, optical resonators, laser rate equations, waveguides, Gaussian beams and wave propagation, and characteristics and applications of specific lasers, including gas lasers and semiconductor lasers.

**ELC 4329 Introduction to Microfabrication (3)**

Pre-requisite(s): C or better in EGR 3380

Introductory course on microfabrication processes with emphasis on hands-on training in the cleanroom at the BRIC. Students will learn key microfabrication processes and get trained on cleanroom equipment used to fabricate semiconductor devices, photonic devices, microfluidic devices, and microelectromechanical systems (MEMS).

**ELC 4330 Introduction to Robotics (3)**

Cross-listed as ME 4330

Pre-requisite(s): C or better in MTH 2321; C or better in MTH 3325

Analysis of robot manipulators, including forward and inverse kinematics, rigid-body rotation parameterizations, velocity kinematics, path planning, nonlinear dynamics, single and multi-variable control.

**ELC 4331 Electric Machines and Drives (3)**

Pre-requisite(s): C or better in ELC 3314; C or better in ELC 3337

Introduction to electric motors and drives systems. Topics covered include dc machines, ac machines, permanent magnet machines and emerging machines topologies and their associated power electronic motor drives. Course will also cover the transformer as a static electric machine as well as linear electric machine configurations. Application specific requirements and design considerations will be covered.

**ELC 4332 Automatic Control Systems (3)**

Pre-requisite(s): C or better in ELC 3335

Analysis and design of linear feedback control systems. Laplace transforms, transfer functions, signal-flow graphs, electrical and mechanical system modeling, state variables, system stability, time-domain response, root-locus method, Nyquist criterion, and compensator design. Laboratory exercises to illustrate course concepts.

**ELC 4335 Systems Modeling and Control (3)**

Pre-requisite(s): C or better in ELC 2320 or C or better in ELC 2330; C or better in ME 4325

Modeling, analysis, design, and control of dynamic systems involving mechanical, electrical, thermal, and fluid components. System behavior in time and frequency domains, state-space formulation, feedback control.

**ELC 4340 Power Systems (3)**

Pre-requisite(s): C or better in ELC 3335

Analysis of power systems, including energy sources, transmission lines, power flow, transformers, transmission and distribution systems, synchronous generators, stability, power system controls, short-circuit faults, and system protection.

**ELC 4345 Power Electronics (3)**

Pre-requisite(s): C or better in ELC 3314; C or better in 3114

Introduction to power electronic systems with emphasis on power control and switching circuits for AC/DC, DC/DC, and DC/AC converters. Associated laboratory component.

**ELC 4350 Principles of Communication (3)**

Pre-requisite(s): C or better in ELC 3335; C or better in STA 3381

Signal analysis, modulation techniques, random signals and noise, digital transmission, information theory, coding.

**ELC 4351 Digital Signal Processing (3)**

Pre-requisite(s): C or better in ELC 3335; C or better in STA 3381

Discrete-time signals and systems, sampling theory, z-transforms, spectral analysis, filter design, applications, and analysis and design of discrete signal processing systems. Credit cannot be earned for ELC 4351 if credit is earned for BME 4452.

**ELC 4353 Image Formation and Processing (3)**

Cross-listed as BME 4353

Pre-requisite(s): C or better in ELC 3335 or concurrent enrollment; C or better in STA 3381

Introduction to image formation systems that provide images for medical diagnostics, remote sensing, industrial inspection, nondestructive materials evaluation and optical copying. Image processing, including image enhancement, analysis, and compression. Student specialization through assignments and project.

**ELC 4357 Cardiovascular Engineering and Instrumentation (3)**

Cross-listed as BME 4357, EGR 4357, ME 4357

See BME 4357 for course information.

**ELC 4360 Software Systems (3)**

Pre-requisite(s): C or better in ELC 3336

Software engineering methods and tools. Topics include the development lifecycle, requirements, specifications, design, implementation, verification, validation, and maintenance, project management and professional ethics.

**ELC 4362 Wireless Sensor Networks (3)**

Pre-requisite(s): C or better in ELC 3338; C or better in ELC 3314; or consent of instructor

Characterization and design of large-scale wireless sensor networks. Topics include wireless channel utilization, media access protocols, routing, energy management, synchronization, localization, data aggregation, and security. Laboratory exercises using wireless sensor devices, cross-development, and real-time operating systems.

**ELC 4366 Quantum Mechanics for Engineers (3)**

Pre-requisite(s): C or better in MTH 2311; C or better in MTH 3325; C or better in STA 3381

We will explore the surprising behaviors found in the quantum world, basic principles of wave functions, and the application of quantum mechanics in systems such as quantum harmonic oscillators, semiconductors, quantum-dot cellular automata, quantum computing, and quantum communication. We also learn to use linear algebra as a description for quantum systems, since this is important in the realms of quantum computing and molecular computing.

**ELC 4367 Introduction to Quantum Computing (3)**

Pre-requisite(s): C or better in MTH 2311; C or better in STA 3381

This course introduces the student to quantum information processing. First, linear algebra is established as the mathematical language for describing quantum computing. Then, several quantum information algorithms are demonstrated, building up to Shor's famous algorithm for defeating a widely-used classical encryption scheme. Alternate models of quantum computing, classical computing, and quantum communication also are discussed.

**ELC 4372 Bioinstrumentation (3)**

Cross-listed as BME 4372

Pre-requisite(s): C or better in ELC 2330

Principles of biomedical instrumentation and their real-world applications. Emphasis on understanding the basic design principles and technologies used in bioelectrical, biomechanical, and clinical instrumentation.

**ELC 4377 Solar Energy (3)**

Cross-listed as ME 4377

Pre-requisite(s): C or better in ELC 2330; C or better in ME 2345

A first course in the principles of solar energy collection, conversion and storage. Topics include solar photovoltaic and thermal collectors, sun-earth geometry, ground and sky radiation models, and balance-of-system components including stratified tanks, pumps, and power inverters. Students will learn industry-standard TRNSYS energy modeling software.

**ELC 4378 Introduction to Biosensors (3)**

Cross-listed as BME 4378

Pre-requisite(s): C or better in EGR 3380

Introductory course on Biosensors. Topics to be covered in this course are electrochemical sensors, immunosensors, Lab-on-a-chip biosensors, and photonic biosensors for the detection of biomolecules for the medical diagnosis.

**ELC 4381 Antennas and Wireless Propagation I (3)**

Pre-requisite(s): C or better in ELC 3337

Fundamentals of radiation and propagation, antenna parameters, linear antennas, linear and planar phased arrays, and microstrip antennas. Analysis and design principles, simulation and measurement.

**ELC 4383 RF/Microwave Circuits I (3)**

Pre-requisite(s): C or better in ELC 3337

Introduction to passive RF, microwave, and wireless circuit design. Topics include transmission line theory; network analysis; impedance matching techniques; design of resonators, couplers, and filters; diodes; mixers; and principles and techniques of microwave measurements.

**ELC 4384 RF/Microwave Circuits II (3)**

Pre-requisite(s): C or better in ELC 4383

This is a second course in radio-frequency and microwave circuits covering microwave amplifier and oscillator design. Topics include the ZY Smith chart, matching network design, gain calculations, design for amplifier stability, noise figure and low-noise amplifier design, gain matching, and negative resistance oscillator design. A final project will require the design, simulation, construction, and testing of an amplifier using microwave CAD tools and hands-on measurements.

**ELC 4396 Special Topics in Electrical or Computer Engineering (3)**

Pre-requisite(s): Consent of department chair

Study of advanced topics in electrical or computer engineering. This course may be repeated once under a different topic.

**ELC 4438 Embedded Systems Design (4)**

Pre-requisite(s): C or better in ELC 3336

Design and implementation of embedded computer systems using microcontrollers, sensors and data conversion devices, actuators, visual display devices, timers, and applications specific circuits. Software design using microprocessor cross-development systems and real-time operating system principles.

**ELC 4V97 Special Projects in Electrical or Computer Engineering (1-6)**

Pre-requisite(s): Consent of department chair

Advanced topics and/or special project activities in electrical or computer engineering.

## Engineering & Computer Science (ECS)

**ECS 1101 ECS Leadership Development Seminar (1)**

Pre-requisite(s): For engineering and computer science students only

Provides insights into a student's present leadership strength and development needs. Prepares students for leadership positions, focusing on topics such as a philosophy of leadership, the role of power and authority in leadership, ethics, and goal setting for leadership development.

**ECS 1V10 Renaissance Scholar: Technology and the Arts (1-3)**

Pre-requisite(s): Consent of instructor

A Renaissance Scholar is someone who is conversant across the entire range of human knowledge, from science to philosophy and technology to literature. Through the ages, people have strived to find meaning in their lives, to understand the world around them, and to use their creativity and ingenuity to improve both. Baylor's summer Renaissance Scholar program starts students on the path toward joining the ranks of the great scholars of the past. Issues of both historical and contemporary interest are considered from the perspectives of science, technology, literature, philosophy, theology, and even contemporary film. Students complement readings in the great texts of the world with the design, development, and implementation of two ancient engineering projects. Emphasis is placed on the theory and practical application of scientific and engineering concepts such as the harnessing of energy and the mythical stories that have inspired such activity, the desire for exploration, and the quest for knowledge ranging from ancient tales of self-discovery to the modern exploration of the cosmos.

**ECS 1V90 Special Topics in Freshman Engineering and Computer Science (1-4)**

Introductory topics in engineering or computer science. The course may be repeated when topics vary.



**ECS 2101 ECS Professional Development (1)**

Pre-requisite(s): Only open to majors in the School of Engineering and Computer Science

Personal development and branding, professional etiquette, resume production, career research, and interviewing skills. Exploration of career options, including assessments, internships, job search process, and graduate school admission. Topics will be customized for students pursuing majors in the School of Engineering and Computer Science.

**ECS 3301 Peer Leadership (3)**

The class equips students to serve as peer leaders to new students in their first semester at Baylor.

## Engineering (EGR)

**EGR 1101 Engineering New Student Experience (1)**

Pre-requisite(s): Only open to Pre-Engineering majors

New Student Experience course designed to help students transition to the Baylor Engineering community by focusing on success resources/strategies, involvement opportunities, and professional/social development.

**EGR 1301 Introduction to Engineering (3)**

Pre-requisite(s): Pre-engineering major

A grade of C or better in MTH 1321 or concurrent enrollment in MTH 1321. Introduction to the engineering profession. Topics include engineering disciplines, ethics, the impact of technology on the world, analysis and design using a team design project, and computer-aided design and problem solving.

**EGR 1302 Introduction to Engineering Analysis (3)**

Pre-requisite(s): Pre-engineering major

A grade of B or better in EGR 1301 and a grade of C or better in MTH 1321 or concurrent enrollment in MTH 1321. Introduction to fundamental techniques used in engineering analysis.

**EGR 2108 Engineering Economics (1)**

Pre-requisite(s): B or better in EGR 1302

Designed to provide an economic foundation for engineering decisions. The course stresses basics, including the application of common discrete compounding formulas, complex problems, cost analysis and estimating, uncertainty, and lease/buy/make decisions.

**EGR 2170 Introduction to Computer Aided Design (1)**

Pre-requisite(s): B or better in EGR 1302

Introduction to the use of modern computational tools used for solid modeling. Software used is representative of that found in industry.

**EGR 2V97 Special Topics or Project (1-3)**

Cross-listed as ELC 2V97

See ELC 2V97 for course information.

**EGR 2V99 Engineering Research Activities (1-3)**

Pre-requisite(s): Consent of department chair

Special topics or projects in engineering research activities. This course provides the opportunity for recognition of supervised academic experiences that are in addition to degree requirements. Registration requires approval by the department chair and sponsoring faculty member. Cannot be used as an engineering elective to satisfy degree requirements.

**EGR 3115 International Project Experience (1)**

Pre-requisite(s): A grade of C or better in EGR 3315

Experience working with an international business and/or organization in a context outside of the United States. Students will work a minimum of 80 hours on project(s) with the goal of gaining experience working in another culture and/or language, and experiencing how the difference in available resources affects the engineering design process.

**EGR 3302 Technologies for Developing Countries (3)**

Pre-requisite(s): Consent of instructor

Survey of the technologies that impact the socio-economic group known as the bottom of the pyramid. The course will focus on two broad classes of technologies, water and energy, including the application of renewable energy sources such as solar, wind, and hydro power in the developing world. Water well drilling, water pumping and filtration, and other topics regarding water access will be covered. Economic decision-making techniques based on present worth, will be explored.

**EGR 3305 Social and Ethical Issues in Engineering (3)**

Pre-requisite(s): A grade of B or better in EGR 1302 and ECE, EGR, or ME major

Study of the relationship between engineering, technology, and society. Topics include philosophical perspectives on engineering and technology, technological values, impact of technological change, social and ethical responsibilities of engineers, and public technology policy. Christian responses to these issues will be explored.

**EGR 3315 Ethics of International Service (3)**

Pre-requisite(s): A grade of B or better in EGR 1302

Study of ethical considerations for professionals working in developing countries, especially those associated with the implementation of technology-oriented or enterprise-oriented development interventions. Topics include the nature and causes of poverty, international development, issues of justice, the influence of culture, the importance of community, humanitarian engineering, microfinance and entrepreneurial solutions to poverty, and preparing for a career in international service. Current theories of development from secular and Christian viewpoints will be explored.

**EGR 3380 Engineering Design I (3)**

Pre-requisite(s): A grade of C or better in the following: ELC 2320 or ELC 2330, and either ELC 2337 or ME 2321

Introduction to the engineering design process via team-based projects encompassing the design, construction and testing of an engineering device or system. Projects will emphasize oral, written, and graphical engineering communication skills and topics related to engineering professionalism.

**EGR 3V95 Internship Experience (1-3)**

Pre-requisite(s): Instructor approval required

Summer or semester-long full-time employment in an internship or co-op experience in a departmentally arranged and/or approved engineering-related position, with a report presentation after the employment period.

**EGR 4301 Global Business: Economics and Communication (3)**

Pre-requisite(s): Junior standing in the School of Engineering and Computer Science

This is the first course in a two-course sequence that will prepare engineering students to work effectively at the interface between business and engineering in a global economy. This course will focus on engineering economics, written communication, and oral communication for engineers and computer scientists, addressing communication to both technical and non-technical audiences.



**EGR 4357 Cardiovascular Engineering and Instrumentation (3)**

Cross-listed as BME 4357, ELC 4357, ME 4357

See BME 4357 for course information.

**EGR 4361 Conventional & Alternative Energy Systems (3)**

Pre-requisite(s): A grade of C or better in the following: CHE 1301 and PHY 1420, and ME 2345 or CHE 4325 or CHE 4327

This course will provide a broad overview of the issues surrounding the energy systems we presently use or may use at a larger scale in the future to power our current industrial civilization.

**EGR 4375 Elements of Nuclear Engineering (3)**

Pre-requisite(s): A grade of C or better in PHY 1420 and MTH 1322

Survey of nuclear engineering concepts and applications. Nuclear reactions; radioactivity; radiation interaction with matter; reactor physics; risk and dose assessment; applications in medicine, industry, agriculture, and research.

**EGR 4376 Radiation Dosimetry in Nuclear Health Physics (3)**

Pre-requisite(s): A grade of C or better in the following: PHY 1408 and 1409 or PHY 1420 and 1430

An introduction to types of radiation relevant to nuclear, medical, scientific, and engineering applications; interaction of radiation with materials; radiation detection mechanisms and detectors; radiation dosimetry; biological effects of ionizing radiation, and medical uses of radiation.

**EGR 4390 Engineering Design II (3)**

Pre-requisite(s): A grade of C or better in EGR 3380, final Fall or Spring semester before graduation

A capstone design course for emphasizing the decision-making process that must be used by a practicing engineer to apply the basic sciences in order to convert resources optimally to meet stated objectives. Oral and written reports are required.

**EGR 4396 Special Topics in Engineering (3)**

Pre-requisite(s): Consent of department chair

Study of advanced topics in engineering. This course may be repeated once under a different topic.

**EGR 4V97 Special Projects in Engineering (1-6)**

Pre-requisite(s): Consent of department chair

Advanced topics and/or special project activities in engineering.

## Engineering (ESC)

## English (ENG)

**ENG 0300 Developmental English (3)**

Intensive instruction in English writing skills, grammar, usage, and reading comprehension, with individualized attention to problem areas. This course is a prerequisite for ENG 1302 for all students whose diagnostic test indicates the inability to do satisfactory work in ENG 1302. Credit for this course does not apply toward any degree program.

**ENG 1300 English as a Second Language: Comprehension (3)**

Practice in listening and comprehension, pronunciation, and conversation skills for both academic and social competency. Required attendance in language laboratory. This course does not satisfy the English requirements for any degree program.

**ENG 1301 English as a Second Language: Composition Skills (3)**

Review and instruction in English grammar, usage, and vocabulary development, with attention to composition and reading skills, for non-native speakers of English. This course does not satisfy the English requirements for any degree program. Placement in this course is determined by language and writing tests given when the student enrolls in the University.

**ENG 1302 Thinking and Writing (3)**

A course designed to help students better understand English grammar, rhetoric, and usage for correct and effective writing. The course focuses on the several steps in organizing and writing the expository essay for a variety of purposes. Essay assignments develop students' capacity for logical thought and expression.

**ENG 1304 Thinking, Writing, and Research (3)**

Pre-requisite(s): ENG 1302 or FAS 1302 or advanced placement

A student with credit in ENG 1304 may not earn credit for ENG 1310. A course designed to teach students to gather and evaluate information from a variety of sources and to incorporate ideas from these sources into the writing of a research paper. In addition, the course explores the techniques of persuasive and critical writing.

**ENG 1310 Writing and Academic Inquiry Seminars (3)**

Provides forum to discuss, analyze, and create nonfiction texts to develop the writing abilities, research skills, and rhetorical knowledge for academic, personal, professional, and civic pursuits. May include themes such as faith, pop culture, social media, sports, social justice, and communities.

**ENG 2301 British Literature (3)**

The great works of British literature, from the earliest English poetry to the twenty-first century. Includes works by both women and men, from the different regions of the British Isles, and works representative of Britain as a multicultural society.

**ENG 2306 World Literature (3)**

The great works of literature from around the globe, studied in English translation. Includes authors, both women and men, from a variety of different countries and cultures, – African, Latin American, Asian, and European – and from different historical periods.

**ENG 2310 American Literary Cultures (3)**

Literature of the United States, from the colonial encounter to the 21st century, emphasizing major works of American literature, by men and women from different regions of the United States, and from many cultural backgrounds. A student with credit in ENG 2304 may not earn credit for ENG 2310.

**ENG 3301 English Words (3)**

Cross-listed as LING 3311

Pre-requisite(s): Upper-level standing or consent of instructor

History and structure of the English lexicon, including the semantics, word-formation processes, and pronunciation of both native English and borrowed words.

**ENG 3302 Modern English Grammar (3)**

Cross-listed as LING 3312

Pre-requisite(s): Upper-level standing

Study of college-level grammar, with emphasis on syntax, morphology, and usage.

**ENG 3304 Creative Writing: Poetry (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Workshop course with emphasis on imaginative writing of poetry. May be repeated once with a different topic of study.

**ENG 3305 Sociolinguistics (3)**

Cross-listed as LING 3315

See LING 3315 for course information.

**ENG 3306 Creative Writing: Prose (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Workshop course in the techniques of imaginative writing of prose. May be repeated once with a different topic of study.

**ENG 3307 Screenplay and Scriptwriting (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Screenwriting and scriptwriting is designed for the novice writer with an interest in cinema or theater. The class will include discussions of treatment, pitch, agents, and feature the writing of an actual screenplay.

**ENG 3310 Introduction to Linguistics (3)**

Cross-listed as ANT 3310, ANT 4300, ENG 4300, LING 3310

Pre-requisite(s): Upper-level standing or consent of instructor

Matter and methods of modern linguistics, including the nature of language and linguistics, phonology, morphology and grammar, and historical/comparative linguistics.

**ENG 3311 English Literature through the Sixteenth Century (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Old English (Anglo-Saxon), Middle English, and English poetry, prose, and drama to 1600, studied in relation to the cultural and social character of the period.

**ENG 3319 Language and Culture (3)**

See LING 3319 for course description.

**ENG 3331 English Literature of the Seventeenth and Eighteenth Centuries (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

English poetry, prose, and drama from 1600 to 1800, studied in relation to the cultural and social character of the period.

**ENG 3351 British Literature from the Nineteenth Century to the Present (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

British poetry, prose, and drama from 1800 to the present, studied in relation to the cultural and social character of the period.

**ENG 3360 Literature and the Environment (3)**

Pre-requisite(s): 3 hours of ENG credit, 3 hours from the Literature in Context DL, and upper-level standing

This course critically examines how literature represents connections among humans, nonhumans, and environments.

**ENG 3370 Religion and Literature (3)**

Cross-listed as REL 3370

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Topics exploring the relationship between religion and literature, and between religious ideas and the literary expression of those ideas.

**ENG 3371 History of Critical Theory (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Critical writing about literature from Aristotle through the New Criticism.

**ENG 3372 The Oxford Christians (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Works of C.S. Lewis, J.R.R. Tolkien, and other members of the group of writers called the Oxford Christians.

**ENG 3374 Short Fiction: A Reading Course (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development and forms of the short story.

**ENG 3375 Post-Colonial Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Twentieth-century literature from India, Africa, the Caribbean, and other emerging post-colonial traditions.

**ENG 3376 African American Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

A study of works of African American writers. Selections may include slave narratives, poetry, plays, short stories, and novels from the colonial period to the present.

**ENG 3377 The Art of Film (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

A study of film, with an emphasis on film's literary qualities and on various forms of cinematic theory and criticism.

**ENG 3378 Topics in Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Topics not included in ENG 4374 seminars, especially topics such as detective fiction and science fiction. Topic announced for each semester or session. May be repeated once for a total of six credit hours with content change.

**ENG 3380 American Literature through Whitman (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

American poetry and prose to 1870, studied in relation to the cultural and social character of the period.

**ENG 3390 American Literature from Whitman (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

American poetry, prose, and drama from 1870 to the present, studied in relation to the cultural and social character of the period.

**ENG 3393 Literature of the American West and Southwest (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

The works of writers of the American West and Southwest.

**ENG 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ENG 4301 Advanced Creative Writing: Prose (3)**

Pre-requisite(s): ENG 3306 or consent of instructor

Workshop course for advanced writers of creative prose emphasizing discussion of student work. Course may be repeated once with a different topic.

**ENG 4302 Old English Language (3)**

Cross-listed as LING 4312

Pre-requisite(s): ENG 2301 and upper-level standing

Old English language and an introduction to Anglo-Saxon history and culture. Selections from Old English poetry and prose (Biblical translations, Anglo-Saxon Chronicle, Alfredian translations, homilies) will be read in the original.

**ENG 4304 History of the English Language (3)**

Cross-listed as LING 4314

Pre-requisite(s): ENG 2301 and upper-level standing

Origin, growth, and structure of the English language.

**ENG 4305 Advanced Creative Writing: Poetry (3)**

Pre-requisite(s): ENG 3304 or consent of instructor

Workshop in the writing of poetry at an advanced level. May be repeated once with a different topic of study.

**ENG 4310 Old and Early Middle English Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Old English and Early Middle English poetry and prose in translation from the seventh through the thirteenth century read in the context of the historical, social, religious, political, art historical, and philosophical trends of the periods.

**ENG 4313 Later Middle English Literature Excluding Chaucer (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Middle English poetry, prose, and drama primarily in the original text from the fourteenth and fifteenth centuries read in the context of the historical, social, religious, political, art historical, and philosophical trends of the periods.

**ENG 4314 Chaucer (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Chaucer's major and minor works and their cultural milieu; read in Middle English and in translation. One of his continental sources will also be read.

**ENG 4316 Special Topics in Medieval Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Specialized topics in medieval studies, such as paleography, the medieval mystics, and Chaucer and the Italian tradition. Topic announced for each semester or session.

**ENG 4318 Writing for the Workplace (3)**

Pre-requisite(s): ENG 3300 or BUS 3315 or consent of instructor

Advanced study of workplace skills, including editing, desktop publishing, document design and testing, and project management. Designed for students who will work in writing-intensive professions.

**ENG 4319 American English Dialects (3)**

Cross-listed as LING 4319

See LING 4319 for course information.

**ENG 4320 English Drama to 1642 (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development of English drama from its medieval origins to the closing of the theaters in 1642, excluding Shakespeare.

**ENG 4322 Sixteenth-Century Poetry and Prose (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

English poetry and prose of the Tudor and Elizabethan periods, with emphasis on the development of the sonnet and Petrarchan conventions.

**ENG 4324 Shakespeare: Selected Plays (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Representative comedies, histories, tragedies, and problem plays.

**ENG 4330 Early Seventeenth-Century Poetry and Prose (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

English poetry and prose of the early Stuart period, the Interregnum, and the early Restoration, with emphasis on the metaphysical and cavalier poets.

**ENG 4332 Milton (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Milton's poetry with emphasis on *Paradise Lost*; examination of selected prose; consideration of biographical and historical materials related to the poetry.

**ENG 4340 English Poetry and Prose from 1660 to 1745 (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development of poetry and prose during the Augustan Age, with emphasis on the satire of Dryden, Swift, Gay, Pope, and Fielding.

**ENG 4342 English Poetry and Prose from 1745 to 1798 (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

The development of poetry and prose in the later eighteenth century, with emphasis on sensibility in the works of Gray, Johnson, Boswell, and Sterne.

**ENG 4344 English Drama from 1660 to 1800 (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development of English drama from the reopening of the theaters after the Interregnum through the eighteenth century.

**ENG 4347 Eighteenth-Century British Novel (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development of fictional narrative form in eighteenth-century Britain, with emphasis on Defoe, Richardson, Fielding, Smollett, Sterne, and Burney.

**ENG 4354 Romantic Poetry (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

British poets of the early nineteenth century, with emphasis on Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats.

**ENG 4355 Romantic Prose (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

British and European novelists, story writers, and prose writers of the late 18th and early 19th centuries, with emphasis on Jane Austen, Ann Radcliffe, Maria Edgeworth, Sir Walter Scott, and Johann von Goethe.

**ENG 4360 Victorian Prose (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development of English prose in the nineteenth century, with emphasis on Macaulay, Carlyle, Newman, Ruskin, Arnold, Eliot, Pater, and Wilde.

**ENG 4362 Victorian Poetry (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
British poets of the later nineteenth century, with emphasis on Browning, Tennyson, Arnold, and Hopkins.

**ENG 4364 The Brownings (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
The Brownings' major poems, with emphasis on Men and Women, The Ring and the Book, Aurora Leigh, and Sonnets from the Portuguese; introduction to the Armstrong Browning Library collection.

**ENG 4368 Nineteenth-Century British Novel (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Development of fictional narrative form in nineteenth-century Britain, with emphasis on Austen, Scott, the Brontës, Thackeray, Dickens, Eliot, and Hardy.

**ENG 4369 Modern British Novel (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
British novelists from 1900 to 1945, with emphasis on Woolf, Joyce, and Lawrence.

**ENG 4370 Women Writers (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Major women writers and their representative works. Readings may emphasize British, American, or international writers, a genre, or a theme. Course may be repeated once for credit with a different theme.

**ENG 4371 Modern British Poetry (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
British poets from 1900 to 1945, with emphasis upon Eliot, Yeats, Lawrence, Thomas, and Auden.

**ENG 4372 Modern British and Continental Drama (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Development of modern European Drama and Theater from 1880 to the present.

**ENG 4374 Special Topics in Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Topics not ordinarily included in period, genre, or author courses. Topic announced for each semester or session. May be repeated once for a total of six credit hours with content change.

**ENG 4378 Contemporary Novel (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Novelists from the twenty-first century either writing in English or studied in translation.

**ENG 4379 Great Books of the Western World (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Various topics and texts of the Western World. Periods, themes, genres, or problems may be the organizing element, e.g., Greek Tragedy, Roman Elegy, the Medieval Mind, the Enlightenment, French Post-war Intellectual Thought.

**ENG 4380 American Renaissance (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Works of American writers of New England in the mid-nineteenth century.

**ENG 4381 Early American Literature (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Prose and poetry of American writers from 1620 to 1820.

**ENG 4382 Major Authors (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
A study of the works of a particular writer. Topics announced for each semester or session. May be repeated once under different topic.

**ENG 4383 American Realism and Naturalism (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
American writers from 1860 to 1900.

**ENG 4384 Contemporary Critical Theory (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Contemporary approaches to the critical interpretation of literature, emphasizing primary texts, e.g., psychoanalytic, feminist, structuralist, deconstructive, new historical, reader-response, formalist, semiotic, neo-Aristotelian.

**ENG 4385 Contemporary Poetry (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
British and American poets of the twenty-first century with special emphasis on recent developments in poetic form and method.

**ENG 4386 Postmodern American Novel (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
American novelists from 1945 to 2000.

**ENG 4387 Modern American Novel (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
American novelists from 1900 to 1945, with emphasis on Wharton, James, Cather, Hemingway, Faulkner, Fitzgerald, and Hurston.

**ENG 4388 Christian Literary Classics (3)**

Cross-listed as REL 4388  
See REL 4388 for course information.

**ENG 4389 Postmodern American Poetry (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
American poets from 1945 to 2000.

**ENG 4390 Literature of the South (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
Works of writers of the American South, with emphasis on Poe, Faulkner, O'Connor, and Welty.

**ENG 4391 Modern American Poetry (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing  
American poets from 1900 to 1945, with special emphasis upon Frost, Pound, Cummings, Stevens, Williams, and Bishop.



**ENG 4394 American Drama (3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing

Development of American drama, with emphasis on O'Neill, Williams, Miller, Albee, and Hellman.

**ENG 4395 Special Topics in Creative Writing (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Topics in creative writing not covered in Creative Writing courses. Topic announced for each semester or session. Repeatable for a maximum of 6 credits.

**ENG 4397 Internship for Literature Majors (3)**

Pre-requisite(s): ENG 3300 or 3303 or 4309

An internship to provide literature majors supervised experience in a business or professional setting. Elective credit only. Student may register for course in last semester of senior year only.

**ENG 43C1 Aesthetic Perception and Experience (3)**

Cross-listed as ARTH 43C1, MUS 43C1

Pre-requisite(s): Senior standing; major in English, Art or Music; or consent of instructor

Aesthetic Perception and Experience (ARTH/ENG/MUS 43C1) presents specific analytical approaches to visual art, literature, and music, leading students to learn analytical skills in those three areas. The professors then lead students to arrive at, then apply, general principles for aesthetic experience for all artistic fields.

**ENG 4V18 Independent Study in Literature (1-3)**

Pre-requisite(s): 3 hours of ENG credit and 3 hours from the Literature in Context DL, and upper-level standing and consent of the instructor  
Supervised individual reading and research. Repeat once with change of topic for maximum of six hours.

**ENG 4V19 Independent Study in Writing (1-3)**

Pre-requisite(s): Upper-level standing and consent of instructor  
Supervised individual writing. Repeat once with change of topic for maximum of six hours.

**ENG 4V98 Maastricht Topics (1-4)**

Pre-requisite(s): ENG 2310 Special topics in literature developed in conjunction with Baylor-in-Maastricht program

**ENG 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## English as Second Language (ESL)

ESL 0V01 English as a Second Language (1-15)

## Entrepreneurship (ENT)

**ENT 3301 Entrepreneurship: Living and Learning (3)**

Pre-requisite(s): Open to residents of the Entrepreneurship Living Learning Center or consent of department

Exploration of entrepreneurship as a career and the journey to become an entrepreneur. Topics include fundamentals of entrepreneurship and developing an entrepreneurial mindset. Experiential learning with creativity and imagination in solving entrepreneurial problems. Counts as Fine Arts credit for BBA students.

**ENT 3315 Starting and Managing a Business (3)**

Pre-requisite(s): Prerequisite(s): Upper-level standing; a minimum GPA of 2.75; not open to BBA students

An introductory course for students other than entrepreneurship majors. The course, which is designed around the business plan, examines how to formulate business ideas, select a location, select a legal form of organization, locate financing sources, assess the market, develop a human resource management system, and establish budgets for control.

**ENT 3320 Entrepreneurial Process (3)**

Pre-requisite(s): Only open to BBA students with upper-level standing; BBA students must be admitted to the Business School in order to take this course

An introductory course in entrepreneurship designed to explore the development of innovative thinking and venture exploration which would ultimately lead to a new venture. Topics covered include: Developing an innovative perspective as well as identifying and testing venture concepts. Topics are introduced through the use of creative exercises, team projects, concept identification journals, discussion of entrepreneurship cases, and a business venture startup game.

**ENT 3325 Skills and Behavior of the Entrepreneur (3)**

Pre-requisite(s): ENT 3320 or ENT 3315

Focuses on the individual and the skills and behaviors necessary to be a successful entrepreneur. Students will develop creative thinking skills that will enable them to recognize business opportunities. Other skills include team building, goal setting, leadership, and negotiation. Significant portions of the course are conducted through experiential exercises and simulations.

**ENT 3350 International Entrepreneurship (3)**

Cross-listed as ENT 4350, INB 3350

Pre-requisite(s): Sophomore standing and consent of instructor  
Examines entrepreneurship in other countries by focusing on the unique opportunities and problems associated with the particular country being studied. Comparisons are made between the host country and the United States. General issues related to doing business across national boundaries are included. This course is taught only outside the United States.

**ENT 3380 Global Perspectives on New Ventures (3)**

Pre-requisite(s): Either ENT 3315 or 3320

Entrepreneurship is increasingly global in nature, continuously creating new opportunities and competitors. Global Perspectives on New Ventures provides a deep understanding of these dynamics and helps students develop startup concepts that are more likely to succeed in the country-business context in which they may one day launch new international ventures.

**ENT 4310 New Venture Finance: The Entrepreneur's Perspective (3)**

Pre-requisite(s): ENT 3320 or consent of instructor; only open to BBA students

Successful entrepreneurs must effectively manage scarce resources in an increasingly complex and global world. This course is designed to provide students with a wide range of financial skills to more effectively manage their resources. Specific issues critical to emerging businesses such as financial forecasting, effective financial management, sources of financing, bootstrapping, and exit planning will be examined.



**ENT 4320 Managing the Family Business (3)**

Pre-requisite(s): Only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
 Explores the unique personal and interpersonal issues, as well as the business issues, associated with the family-owned and managed firm. Topics evaluated in the course include the competitive strengths and weaknesses of a family firm; the dynamics of family interactions and the family business culture; conflict resolutions; estate planning; and planning for succession.

**ENT 4321 Accelerated Ventures: Launch (3)**

Pre-requisite(s): Upper-level standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Accelerated Ventures (AV) is a two-semester program designed to provide an innovative educational experience for students. During the first semester, students enrolled in ENT 4321 create real companies, raise funds, launch products and services, and generate sales. The second component of AV (ENT 4322) teaches students how to grow and sustain that company.

**ENT 4322 Accelerated Ventures Capstone (3)**

Pre-requisite(s): ENT 4310; only open to Entrepreneurship majors  
 Accelerated Ventures Capstone (AVC) provides an integrative and innovative educational experience with emphasis on experiential learning. Focus is on start-up and new venture growth activities. Teaches students to use all functional areas of business to optimize options to expand firm revenue, finance firm growth and insure long-term sustainable value creation.

**ENT 4325 Entrepreneurial Leadership (3)**

Pre-requisite(s): ENT 3315; Upper-level standing; a minimum GPA of 2.75; not open to BBA students

This class is a practicum in which the student will prepare a written business plan for an actual venture, business or nonprofit, which he/she plans to implement in the future. It will be very helpful if the student enters the course with the idea for this venture. Typed drafts of the plan and oral presentations of various sections will be submitted and presented during the course. Individuals from the business and/or nonprofit sectors will be involved in providing constructive criticism throughout the process.

**ENT 4330 Corporate Entrepreneurship: Initiating and Sustaining Innovation (3)**

Pre-requisite(s): Upper-level standing; BBA students must be admitted to the Business School in order to take this course

The initial modules of the course explore the nature of innovation—its drivers, patterns and impacts on society and organizations of all sizes and missions. A core aim is delivering tools for recognizing breakthrough-level innovation opportunities and then practicing their use by inventing needed solutions. Subsequent modules focus on the use of these tools and processes in a larger organizational context where selecting the best innovation target is critical, and where stagnation and inertia tend to pull the firm away from the leading edge over time. The goals of the course include demonstrated skills needed for creating and implementing sustained, innovation-driven growth in corporate settings.

**ENT 4340 Technology Entrepreneurship (3)**

Cross-listed as MGT 4340

Pre-requisite(s): Upper-level standing; BBA students must be admitted to the Business School in order to take this course

Business based on patentable technologies display different business models and characteristics from those of non-technical, mainstream businesses. Understanding these distinctions is critical to technology commercialization. Technology Entrepreneurship examines the entire technology commercialization process, from concept to market. It is intended to provide students in business, engineering, and the sciences with the knowledge needed to participate effectively in the processes required for the successful introduction of new technology products in the marketplace.

**ENT 4351 Entrepreneurship in the European Union (3)**

Pre-requisite(s): Consent of instructor

A summer study abroad program that covers a broad range of topics that critically affect startup concerns of businesses in the European Union. Primary emphasis is placed on marketing concerns, economic analysis, and business plan preparation for business. Other issues to be investigated include identifying venture opportunities, concept development, market analysis, pricing, budgeting, legal forms of organization, management of the team, and business valuation and dilution. The students will apply this knowledge by preparing a business plan for a business venture – based on a well-defined concept of the product or service that could develop within their discipline – and by presenting their final plans to a panel of private equity holders, venture capitalist, bankers, and other entrepreneurship experts. The course is only offered as part of a Baylor study abroad program.

**ENT 4352 Technology Entrepreneurship in Asia (3)**

Pre-requisite(s): Consent of instructor

The Shanghai Summer Program includes this version of Technology Entrepreneurship wherein the hands-on projects undertaken for companies are within Chinese entities, and the cross-functional teams are also cross-cultural (American and Chinese). The course is structured around the key elements of commercializing technology as in ENT 4340, the technology entrepreneurship class offered on the Baylor campus. After learning the core elements, students explore the differences of how they are applied to the Asian (especially Chinese) context, and the in-class learning is coupled with the opportunity to visit companies in China that are practicing these same elements. This course is designed to prepare the student for technology-based innovation in the global context.

**ENT 4353 Social Entrepreneurship and Economic Development (3)**

Pre-requisite(s): ENT 3315 or 3320

Is capitalism good for the poor? This course examines the morality of capitalism, the role of institutions in perpetuating or eliminating absolute poverty, and the contextual challenges of entrepreneurship. Recognizing the socio-cultural, political, economic, and technological challenges of doing business in the third world, we use organizational theory to design for-profit ventures that use appropriate technologies to create sustainable solutions to social problems. Course projects are intended to produce organizations that will be partially owned and operated by the members of the communities that benefit from their goods and services.

**ENT 4354 Entrepreneurship in Latin America (3)**

Pre-requisite(s): Consent of the instructor

A study abroad course that helps students understand business in Latin America through first-hand experience. Students will study the social, cultural, historical, economic, and political issues that impact entrepreneurship and small businesses in the Latin American country visited and gain insights into the general environment in which they operate. They will learn from visits to a variety of business enterprises, cultural sites, and educational institutions, in addition to exploring geographic places of interest. Insights gained will allow enrolled students to grasp the dynamics of participation in the local economy and society of the specific country visited.

**ENT 4360 Franchising: Franchisee and Franchisor Perspectives (3)**

Pre-requisite(s): Upper-level standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course is designed to introduce the student to the business concept of franchising from the perspectives of both the franchisee and the franchisor. The student will learn to evaluate a franchising opportunity from the point of view of the franchisee by completing a feasibility study of a currently available franchise and the potential for franchising a business idea by completing a business plan. Managing the franchise will be covered as well.

**ENT 4370 Baylor Angel Network Practicum II (3)**

Pre-requisite(s): Instructor approval required

An advanced course designed to develop, integrate and immediately apply through experiential learning the processes of evaluating angel-stage opportunities. The heart of the course is focused on experiential learning activities provided in connection with real-world companies seeking capital from the Baylor Angel Network. Students evaluate firms while working in close collaboration with practicing angel investors.

**ENT 4380 Social Entrepreneurship: Microfinance and Economic Development in Africa (3)**

Pre-requisite(s): Consent of instructor

This course is a summer study abroad program. Students enrolled in the class will visit one of the following three African countries: Kenya, Rwanda, and Ghana. The content of the course examines the use of entrepreneurial skills to craft innovative responses to social problems in Africa. In particular, the ability of microlending practices to stimulate economic activity and alleviate poverty will be studied.

**ENT 4395 Entrepreneurship Internship (3)**

Pre-requisite(s): Consent of instructor; not open to pre-business students

Supervised work by a manager in a firm involved in entrepreneurship. Application and requirements for the entrepreneurship internship are available from the chair of the management and entrepreneurship department.

**ENT 4398 Special Studies in Entrepreneurship (3)**

Consent of instructor; not open to pre-business students.

**ENT 4V50 International Technology Entrepreneurship Summer Study Abroad (1-6)**

Pre-requisite(s): Consent of instructor

A study abroad course with emphasis on topics that affect technology-based companies and startup businesses. Concepts covered are identifying venture opportunities, concept development, market analysis, pricing, budgeting, prototype development, and business plan preparation for technology-based businesses. Also included are a formal presentation to a group of European venture capitalists and lectures by European business leaders. This is a cooperative program between the School of Engineering and Computer Science and the Hankamer School of Business.

**ENT 4V98 Special Studies In Ent (1-6)**

## Environmental Science (ENV)

**ENV 1101 An Introduction to Environmental Analysis (Lab) (1)**

Pre-requisite(s): Credit or concurrent enrollment in ENV 1301

Methods of collection, analysis, and interpretation of environmental data as used in the social, behavioral, physical and biological disciplines.

**ENV 1103 Wildlife Ecology Laboratory Exercises (1)**

Pre-requisite(s): ENV 1303; or concurrent enrollment in ENV 1303

Laboratory experience in basic ecological methodologies, including interpreting elementary graphic and statistical information, gathering population and habitat data, and understanding how science might be used to solve practical environmental problems.

**ENV 1301 Exploring Environmental Issues (3)**

A survey of the fundamental physical, biological, and social forces affecting the solution of environmental problems. Principles of environmental history, political science, economics, biology, geology, physics, anthropology, and related disciplines.

**ENV 1303 Wildlife Ecology (3)**

Introduction to wildlife identification, populations, life histories, behavior and habitats and the role of wildlife in ecological communities and ecosystems.

**ENV 1305 Freshman Environmental Seminar (3)**

Pre-requisite(s): Freshman or sophomore standing

Introduces first-year students to significant topics in environmental studies. Emphasizes critical inquiry and thinking, research, scholarly communication, and problem-solving. Does not apply on the laboratory science requirement.

**ENV 1309 Introduction to Environmental Sustainability (3)**

This course will introduce students to the major tenets of sustainability and will explore the real world application of sustainable practices on a local, national, and global scale. Topics will demonstrate interrelationships of various tools and approaches for sustainable development. Mastery of the materials from this course will prepare students to make positive changes on campus and beyond.

**ENV 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ENV 2307 Ecology for a Changing World (3)**

Pre-requisite(s): BIO 1405, 1305 or 1401; and credit or concurrent enrollment in ENV 1301 or 1303

The principles of ecology, emphasizing the effects of human activities on individuals, populations, communities and large-scale ecological systems.

**ENV 2376 Environment and Society (3)**

Introduction to ethical, historical, and social science analysis of environmental issues, such as climate change, loss of biodiversity, water pollution, and urbanization. Emphasis on case histories and human dimensions of environmental problem solving.

**ENV 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ENV 3100 Environmental Health Seminar (1)**

Pre-requisite(s): ENV 3314; or consent of instructor

Seminars by faculty and visiting speakers on topics in environmental health science. May be repeated once, with different content. Major paper required.

**ENV 3103 Seminar on Environmental Topics (1)**

Seminars by faculty and visiting speakers on various topics in environmental studies. May be repeated once, with different content.

**ENV 3106 Conserving Biodiversity (Lab) (1)**

Pre-requisite(s): ENV 3306 or concurrent enrollment in ENV 3306

Laboratory and field sampling methods for determining species diversity, minimum viable population size, and impacts of human disturbance on species survival.

**ENV 3108 Marine Environments Laboratory (1)**

Pre-requisite(s): Credit or concurrent enrollment in ENV 3308

Study of specimens and field surveys of major taxa of marine organisms; visits to typical marine and estuarine habitats. Overnight field trips required.

**ENV 3133 Analytical Analysis of Water Quality (1)**

Pre-requisite(s): Upper-level standing

This course provides instruction relating to the delineation of watersheds by the use of topographical maps and aerial photographs, and the use of scientific methodology to estimate quantitative values for contaminant levels.

**ENV 3137 Wildlife Management Methods (1)**

Pre-requisite(s): ENV 3337 or concurrent enrollment

Laboratory techniques used in wildlife management, abundance estimates, management of habitats, and resolving current issues in wildlife management. Studies of game, non-game, endangered, and exotic species.

**ENV 3187 Environmental Chemistry Laboratory (1)**

Pre-requisite(s): Credit or concurrent enrollment in ENV 3387; or consent of instructor

Introduction to experimental, field sampling, and analytical methods in environmental chemistry. Emphasis on field detection of both organic and inorganic compounds in soil, water, and air via spectrometric, chromatographic, and fluorometric instrumentation.

**ENV 3188 Laboratory Methods in Environmental Assessment and Monitoring (1)**

Co-requisite(s): ENV 3187

Pre-requisite(s): ENV 1301, 1101, and 2307

Lab expands upon concepts learned in ENV 3210 by providing techniques that determine biological responses to stressors.

**ENV 3216 Air Quality and Monitoring Laboratory (2)**

Pre-requisite(s): CHE 1300, 1301 or 1405; and credit or concurrent enrollment in ENV 3316

An introduction to laboratory, field sampling, and data analysis techniques used in air quality monitoring. Topics will include measurement and analysis of pollutants such as ozone, particulate matter, and sulfur dioxide, and basic modeling.

**ENV 3300 The Environment and Political Processes (3)**

Cross-listed as PSC 3300

See PSC 3300 for course information.

**ENV 3301 Team Research in Environmental Studies (3)**

Pre-requisite(s): Sophomore or junior standing; or consent of the instructor

Students will participate in a team research project under the supervision of a Baylor faculty member. Students will be expected to attend one hour of lecture and to complete a minimum of six hours of field or laboratory work a week. May be repeated once under different topic.

**ENV 3303 Directed Reading in Environmental Studies (3)**

Pre-requisite(s): ENV 1301 or consent of instructor

Critical reading in environmental studies. Student-led discussion and evaluation. May be repeated with a change of topic for a maximum total credit of six semester hours.

**ENV 3306 Conserving Biodiversity (3)**

Pre-requisite(s): ENV 1301 or BIO 1306 or consent of instructor

Introduction to causes of species and habitat loss. Application of ecological and genetic concepts to conservation and restoration of animal and plant species.

**ENV 3308 Marine Environments and Biodiversity (3)**

Pre-requisite(s): Six hours of environmental studies or biology courses, or consent of instructor

Introduction to marine life forms, ecological adaptations, habitats, and critical issues in conserving marine biodiversity.

**ENV 3310 Field Techniques for Environmental Science (3)**

Pre-requisite(s): ENV 1301 and ENV 1101

Environmental sampling methods and sample processing; data collection and analysis, and biological indexing. Course provides hands-on experience in performing Texas Commission for Environmental Quality sampling techniques for air, water, sediments, and biota, with emphasis on aquatic systems.

Fee: \$200

**ENV 3314 Introduction to Environmental Health (3)**

Cross-listed as BIO 3315

Pre-requisite(s): Sophomore standing or above

Study of environmental hazards to the health of humans and other vertebrates, including pollution, radiation, wastes, urbanization, and climate change. Topics include epidemiology, risk assessment, infectious diseases, emerging contaminants, and regulation.

**ENV 3316 Introduction to Air Quality (3)**

Pre-requisite(s): CHE 1300, 1301 or 1405

Introduction to atmospheric chemistry, and transport and deposition of air pollutants. Topics include major sources of pollution, climate change, atmospheric regulation, and impacts on human health.

**ENV 3320 Environment and Human Behavior (3)**

Cross-listed as ANT 3320

See ANT 3320 for course information.

**ENV 3333 Watershed Assessment (3)**

Pre-requisite(s): ENV 1301 or consent of instructor

An introduction to the scientific tools and methodology by which watersheds may be delineated and assessed with respect to point and non-point pollution. This course will deal primarily with surface waters.

**ENV 3337 Principles of Wildlife Management (3)**

Pre-requisite(s): ENV 1303 or 2307 or consent of instructor

Introduction to techniques used in wildlife management including population estimation, forage evaluation, and habitat mapping. Investigation of the natural history and management strategies for a variety of game, non-game, endangered, and exotic species.

**ENV 3370 Managing Environmental Health and Safety (3)**

Pre-requisite(s): CHE 1405, 1300 or 1301; and ENV 3314 or consent of instructor

Anticipation, recognition, evaluation, and control of chemical, radiological, biological, and physical hazards in the workplace and in environmental contexts.

**ENV 3387 Environmental Chemistry (3)**

Pre-requisite(s): ENV 1101, 1301, and CHE 3331

An introduction to the chemistry of soil, water, and air, and the sources, fate, and transport of environmental pollutants. Topics include applications of chemistry to remediation and waste minimization. Open to students with diverse backgrounds. Credit or concurrent enrollment in ENV 3387 is required to enroll in ENV 3187 Environmental Chemistry Laboratory.

**ENV 3V90 Individual Research Problems (1-3)**

Pre-requisite(s): Completion of a departmental application providing a description of the project and consent of instructor

A research project conducted under the supervision of a Baylor faculty member in Environmental Science, a supporting department, or a pre-approved off-campus laboratory or field station. Three hours of laboratory or field work per week will be required during fall or spring semester, or fifty hours total during the summer, for each semester hour of credit. This course may be repeated for up to six semester hours of credit.

**ENV 3V93 Environmental Sustainability Internship (1-3)**

Pre-requisite(s): Consent of a Baylor faculty sponsor; and completion of a departmental application

Campus or community internship to develop leadership in environmental sustainability. Open to non-majors. The course may be repeated for up to three semester hours of credit.

**ENV 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ENV 4102 Seminar on Environmental Topics (1)**

Seminars by faculty, students and visiting speakers. Each student will prepare and present one thirty to forty-five minute seminar. May be repeated once, with different content.

**ENV 4170 Fundamentals of Ecotoxicology Laboratory (1)**

Co-requisite(s): ENV 4370

Pre-requisite(s): ENV 1301, 2307, 3210, 3187, and 3188

Field and laboratory techniques critical to gathering information on environmental stressors and responses of organisms to them.

**ENV 4199 Senior Thesis I (1)**

Pre-requisite(s): Senior standing in environmental studies major  
Student selects an environmental problem for independent research project. After approval by thesis adviser, literature search is conducted and bibliography for the thesis is completed.

**ENV 4287 Field and Laboratory Tests (2)**

Pre-requisite(s): CHE 1316, 3331, 3332; and/or concurrent enrollment in ENV 4387

Field and bench tests of chemically contaminated water and soil, using portable test kits, with simple bench tests of selected remediation methods such as ion-exchange, precipitation, and membrane separations.

**ENV 4299 Senior Thesis II (2)**

Pre-requisite(s): Credit or concurrent enrollment in ENV 4199

Preparation of information and data analysis in appropriate thesis form.

**ENV 4302 Team Problem Solving in Environmental Studies (3)**

Students will contribute the skills of their specializations to analyze and to suggest a solution to a current environmental problem. May be repeated once with a change of content.

**ENV 4304 Aquatic Chemistry (3)**

Pre-requisite(s): ENV 3387 or consent of instructor

Concepts and issues in aquatic chemistry, including chemical equilibria of natural waters and anthropogenic impacts. Required field trips.

**ENV 4306 Economic Anthropology (3)**

Cross-listed as ANT 4306

See ANT 4306 for course information.

**ENV 4307 Environmental Law (3)**

Cross-listed as PSC 4307

Pre-requisite(s): Upper-level standing or consent of instructor  
Fundamentals of environmental protection laws in the United States, including the evolution of environmental law in the areas of case law, common law, and administrative law. Topics include air and water quality, toxic and hazardous substances, endangered species, and wetlands and coastal management issues.

**ENV 4308 Air Quality Regulation (3)**

Reviews history and policy of United States, transboundary, and global air pollution and resulting environmental regulations.

**ENV 4310 World Food Problems (3)**

Cross-listed as ANT 4311

Pre-requisite(s): Upper-level standing

A seminar approach with emphasis on the various causes of malnutrition including the ecological basis for food production, the impact of economics and politics on food production and distribution, and the consequences of malnutrition.

**ENV 4313 Agricultural Ecology (3)**

Pre-requisite(s): ENV 1301, or BIO 1306, or 1401

Application of ecological principles to sustainable agricultural management. Emphasis on Texas and the tropics. Required weekend field trips.

**ENV 4315 Research Methods (3)**

Pre-requisite(s): ENV 1301 and 2376

Research design and methods. Students produce a comprehensive research proposal in their major field(s) of study.

**ENV 4318 Heavy Metals & Global Public Health (3)**

Pre-requisite(s): BIO 1305 or BIO 1405, BIO 1306 or BIO 1406, CHE 1301, and CHE 1302, and upper level standing

Examines the impacts of natural and anthropogenic sources of metals on human health and the relationship between natural geological factors and health in humans and animals in the context of geographic significance and public health responses.



**ENV 4322 Climate Anthropology (3)**

Cross-listed as ANT 4321

See ANT 4321 for course information.

**ENV 4323 The Environment and Economic Analysis (3)**

Cross-listed as AVS 4323, ECO 4323

Pre-requisite(s): ECO 1305 or 2306; and upper-level standing

Economic analysis in description, analysis, and policy formulation of environmental problems such as natural resource development, ecology, energy needs, noise, water, and air pollution. Economic tools used will include social welfare analysis, externalities, and benefit cost analysis.

**ENV 4325 Human Health Risk Assessment (3)**

Pre-requisite(s): ENV 3314 or concurrent enrollment in ENV 3314; or consent of instructor

Concepts, data sources, and methodologies used in the field of human risk assessment, including environmental hazard identification, dose-response assessment, exposure assessment, risk characterization, and risk communication. Required project utilizing professional risk assessment software.

**ENV 4327 Human Catastrophe and Cultural Response (3)**

Cross-listed as ANT 4327

See ANT 4327 for course information.

**ENV 4330 Urban Political Processes (3)**

Cross-listed as PSC 4330

See PSC 4330 for course information.

**ENV 4331 Social Demography (3)**

Cross-listed as SOC 4331

See SOC 4331 for course information.

**ENV 4332 Science Leadership: Community Environmental Research (3)**

Cross-listed as GEO 4332

Pre-requisite(s): Upper-level standing; and consent of instructor

Development of science leadership skills through community-based research on environmental problems.

**ENV 4333 Coastal Zone Management (3)**

Pre-requisite(s): Upper-level standing

Strategies for managing beaches, deltas, barrier islands and coastal seas, including issues in flood and storm risk, pollution mitigation, recreational development and fisheries exploitation.

**ENV 4335 Applied Environmental Impact Analysis (3)**

Government regulations and increased citizen awareness relationship to the impact of plans and projects on the environment. The course includes an examination of major environmental legislation and its impact on decision making in the public sector. Legislative Acts pertinent to the development of Environmental Impact Analysis are studied.

**ENV 4337 Environmental Sustainability and Religion (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Cases studies in interactions between world and indigenous religions and environmental science, management, and planning. Topics include religious engagement with agriculture, extractive industries, watershed management, biodiversity conservation, pollution regulation, climate policy, and environmental NGOs.

**ENV 4340 Environmental Archaeology (3)**

Cross-listed as ANT 4340, ARC 4340

See ANT 4340 for course information.

**ENV 4344 Fundamentals of Toxicology (3)**

Cross-listed as BIO 4344

Pre-requisite(s): CHE 1301, 1302, 3331, BIO 1305, 1306, 3322, and 3122; or consent of instructor

Basic concepts of toxicology, including historical perspectives, the disposition and metabolism of toxic substances, pharmacokinetics, target organ toxicity, non-organ directed toxicity, toxic agents, industrial toxicology, forensic toxicology, environmental toxicology, toxicity testing techniques, and risk assessment.

**ENV 4345 Water Management (3)**

Cross-listed as GEO 4345

Interdisciplinary field of water management. Scientific, technical, institutional, economic, legal, and political aspects of water management.

**ENV 4349 Pollution Abatement and Prevention Systems (3)**

Pre-requisite(s): ENV 3333, 3387, CHE 1302, or EGR 1301; or consent of instructor

Analysis, design, and performance of pollution treatment and remediation methods. Emphasis on the practices of pollution prevention, green chemistry, and industrial ecology as more sustainable pollution reduction strategies.

**ENV 4350 Development and Indigenous Peoples (3)**

Cross-listed as ANT 4350

Pre-requisite(s): ANT 1305, SOC 1305 or consent of instructor

With particular reference to indigenous peoples, this course examines the ethnographic context of Third World development and evaluates key issues that influence the development process.

**ENV 4351 Futuristics (3)**

Cross-listed as ANT 4351

See ANT 4351 for course information.

**ENV 4354 Water Treatment (3)**

Pre-requisite(s): ENV 1101 and 1301 or consent of instructor

Water use, treatment and disposal. Topics to be examined include the history of human use, resource access, water and wastewater treatment, disposal and re-use, anthropogenic impacts, regulations, current practices and theory in application of municipal, commercial and domestic treatment strategies. Activities include lecture, discussion, field trips, and student participation in the department's On-Site Wastewater Testing Program.

**ENV 4355 Principles of Renewable Resource Management (3)**

Theory, principles, and management of renewable resources to meet human needs. Field trips to management activities will be included.

**ENV 4362 Applied Anthropology (3)**

Cross-listed as ANT 4362

See ANT 4362 for course information.

**ENV 4365 The Environment and Energy (3)**

Pre-requisite(s): ENV 1301 and upper-level standing

Fundamental concepts of energy: the nature of energy flows and storage, potential and kinetic energy, energy loss and reversible and irreversible processes. Renewable and non-renewable energy sources and the impact of energy consumption on problems of societal sustainability.

**ENV 4369 Seminar in Anthropology (3)**

Cross-listed as ANT 4369

See ANT 4369 for course information.



**ENV 4370 Fundamentals of Ecotoxicology (3)**

Co-requisite(s): ENV 4170

Pre-requisite(s): ENV 1301, ENV 2307, ENV 3210, BIO 1305, BIO 1306, and CHE 1302; or consent of instructor

A survey of subjects critical to the study of contaminant impacts on the environment: principles of toxicology; use of toxicological information sources and data bases; ecological stressors and responses to better understand ecological risks.

**ENV 4371 Wetlands (3)**

Cross-listed as GEO 4371

See GEO 4371 for course information.

**ENV 4373 Global Soil Systems (3)**

Pre-requisite(s): BIO 1402 or 4401, CHE 3332, ENV 2375, or consent of instructor

Principles of the biodegradation and possible bioremediation of organic chemicals in the soil environment.

**ENV 4374 Global Soil Systems (3)**

Cross-listed as GEO 4373

See GEO 4373 for course information.

**ENV 4375 Natural Landscape Evaluation and Planning (3)**

Cross-listed as GEO 4375

See GEO 4375 for course information.

**ENV 4377 Advanced Studies in Wilderness, Parks, and Nature Reserves (3)**

Pre-requisite(s): ENV 3306 or consent of instructor

Topics in the management of national or state parks, nature reserves or wilderness areas, such as recreational impacts, disturbance ecology, or environmental interpretation. May be conducted as an off-campus field seminar.

**ENV 4379 Ecosystem Planning and Management (3)**

Course utilizes ecosystem-based concepts and data to develop environmental management plans which also consider social variables, such as regulations, economic development, and community welfare.

Students draft and present plans based on regional ecosystems.

**ENV 4380 Restoration Ecology (3)**

Cross-listed as BIO 4381

Pre-requisite(s): ENV 2307 and 3306, or BIO 3303 or consent of instructor

Principles and practices for restoring natural systems that have been degraded or destroyed. Emphasis on re-establishment of soils, plants, and animals in terrestrial and aquatic environments. Legislative, political, industrial, and regulatory perspectives considered.

**ENV 4386 Remote Sensing (3)**

Cross-listed as AVS 4386, BIO 4386, GEO 4386, GEOG 4386

See GEO 4386 for course information.

**ENV 4389 American Environmental History (3)**

Cross-listed as HIS 4388

See HIS 4388 for course information.

**ENV 4390 Chemical Investigation and Remediation (3)**

Pre-requisite(s): ENV 4387, CHE 1316, and 3332

Methods of site analysis, toxicology of chemical contamination, use of "chemical fingerprinting," determination of exposure methods and exposure routes, analysis of epidemiological data, general methods for remediation of toxic and hazardous wastes, and use of both technical and moral considerations in decision making.

**ENV 4393 Environmental Ethics (3)**

See REL 4393 for course information.

**ENV 4394 Internship in Environmental Education (3)**

Pre-requisite(s): Consent of the Econnections coordinator

Participation as a teaching intern in the Baylor Econnections program for Waco schools or in an approved off-campus program. Students must engage in preparation and teaching a minimum of six hours a week.

**ENV 4397 Tropical Environments: Ecology and Sustainable Management (3)**

Pre-requisite(s): Consent of instructor and upper-level standing

Off-campus field course exploring tropical ecosystems, such as rainforests and coral reefs. Investigation of past impacts of human cultures, and of sustainable practices for future environmental management. Topics may include agriculture, forestry, aquatic resources, energy production, and ecotourism.

**ENV 43C2 Environmental Capstone (3)**

Pre-requisite(s): Twenty hours of environmental science courses and upper-level standing

Advanced seminar integrating principles of environmental science, social science, and policy to solve environmental problems. Assignments and subject matter may differ depending on the topic being evaluated and the instructor of record.

**ENV 4410 Humans and Environmental Change (4)**

Pre-requisite(s): Upper-level standing

Effect of human activity on landscape evolution through time, including impacts of agriculture, forest clearing, mining, soil erosion, invasive species, pollution, and transportation infrastructure. Assessment and documentation of environmental change. Required laboratory section and weekend field trips.

**ENV 4450 Applied Forest Ecology (4)**

Pre-requisite(s): ENV 1301 or BIO 1306

Ecological analysis of forest and woodland structure, energy and nutrient cycling, population dynamics and response to disturbance. Application of concepts to sustainable forest management.

**ENV 4485 Introduction to Geographic Information Systems (4)**

Cross-listed as AVS 4485, GEO 4485

See GEO 4485 for course information.

**ENV 4487 Advanced GIS Analysis (4)**

Cross-listed as AVS 4487, ENV 4388, GEO 4487

Principles and techniques for geospatial data collection, manipulation, modeling, visualization, and analysis. Emphasis is placed on current raster modeling techniques, spatial statistical analysis methods, and using GIS as a predictive tool for environmental research.

**ENV 4613 Field School in Environmental Studies (6)**

Pre-requisite(s): Consent of instructor

Application of the scientific method to the investigation and resolution of an environmental issue.

**ENV 4680 Field School in Cultural Anthropology (6)**

Cross-listed as ANT 4680

See ANT 4680 for course information.

**ENV 4V13 Special Topics in Field and Laboratory Methodologies (1-3)**

Pre-requisite(s): Upper-level standing or consent of instructor

A field experience centered on a region, ecosystem type, or environmental issue. Incorporates system-specific sampling methodologies. Requires off-campus field trips. May be repeated up to a total of three credit hours when content differs.

**ENV 4V50 Problems (1-3)**

Advanced interdisciplinary study of the environment. Subject and hours credit mutually agreed upon by student and directing professor(s) prior to registration. May be repeated for a maximum total credit of three semester hours.

**ENV 4V90 Advanced Individual Research Problems (1-3)**

Pre-requisite(s): Consent of the instructor; and ENV 3V90 or completion of a departmental application providing a description of the project. A research project conducted under the supervision of a Baylor faculty member in Environmental Science, a supporting department, or a pre-approved off-campus laboratory or field station. Students must participate in project design, data analysis, or reporting. Three hours of laboratory or field work per week will be required during fall or spring semester, or fifty hours total during the summer, for each semester hour of credit. This course may be repeated for up to six semester hours of credit.

**ENV 4V93 Internship in Environmental Planning or Management (1-3)**

Pre-requisite(s): Consent of a Baylor faculty sponsor; and completion of a departmental application.

An internship with the City of Waco, a federal or state agency, Christian or non-profit organization or with industry to acquire practical experience in environmental planning or management. The course may be repeated for up to three semester hours of credit.

**ENV 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor.

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Family and Consumer Sciences (FCS)

**FCS 4367 Family Transitions, Stress, and Resilience (3)**

Pre-requisite(s): Upper level standing or consent of the instructor. Current theory and models seeking to understand family transitions, stress, coping, adaptation, and resilience.

## Film Digital Media (FDM)

**FDM 1101 New Student Seminar in Film & Digital Media (1)**

A New Student Experience course for first-year and transfer students entering as Pre-Film & Digital Media majors. Designed to help students acclimate to college life with a specific focus on the Film & Digital Media major, opportunities for FDM majors, and future career options.

**FDM 1197 Practicum in Production (1)**

Supervised practical experience in video and/or audio production. May be repeated for three credit hours.

**FDM 1198 Practicum in Grip and Lighting Equipment (1)**

Co-requisite(s): FDM 1199

Pre-requisite(s): Consent of instructor

Supervised practical experience and development of proficiency with common grip and lighting equipment and practices.

**FDM 1199 Practicum in Video and Audio Equipment (1)**

Co-requisite(s): FDM 1198

Pre-requisite(s): Consent of instructor

Supervised practical experience and development of proficiency with common video and audio acquisition equipment and practices. Cannot be repeated for credit.

**FDM 1303 Introduction to Mass Communication (3)**

Cross-listed as JOU 1303

The mass media, how they operate, and how they affect society.

**FDM 1304 Visual Literacy: Sight, Sound, Motion (3)**

Examines how pictures, sounds, and motions communicate sense and meaning in contemporary media. Considers the major aesthetic image elements – light, color, space, time, motion, and sound – and how they are used in film, video, and computer media.

**FDM 1309 Introduction to Film (3)**

Examines and explores representative masterpieces of cinema. Seeks to enhance understanding of the cinematic experience through non-technical discussions and analyses of films. Also considers the times and lives of the filmmakers.

**FDM 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**FDM 2351 History of Motion Pictures (3)**

Pre-requisite(s): Not open to Pre-Film and Digital Media students. International and domestic cinema since 1880, focusing on film as an art form and changes due to social, political, economic, ideological, and cultural influences.

**FDM 2352 History of Radio and Television (3)**

Pre-requisite(s): Not open to Pre-Film and Digital Media students. Radio and television since 1890, focusing on developments in technology, economics, management, programming, audiences, regulation, and the roles of radio and television in society.

**FDM 2360 Production Methods (3)**

An introduction to single-camera, multiple-camera, and audio production using basic video and audio equipment.

**FDM 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**FDM 3315 Broadcast Writing (3)**

Cross-listed as JOU 3315

See JOU 3315 for course information.

**FDM 3320 Business of Media (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. Principles of business theory and practice associated with the production, promotion, and distribution of media, including the broadcasting, cable, recording, satellite, Internet, video game, and cinema industries.

**FDM 3321 Media Programming (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. Process of media programming, including economic, legal, and audience factors. Analysis of programming practices from organizational and political viewpoints. Class programming project.

**FDM 3345 Introduction to Russian Film: Culture and Identity (3)**

Cross-listed as RUS 3345

See RUS 3345 for course information.

**FDM 3361 Production Methods II (3)**

Pre-requisite(s): FDM 1198, FDM 1199, and FDM 2360 or consent of instructor

Not open to Pre-Film and Digital Media students. Further development of the technical abilities and conceptual approaches to single-camera and multiple-camera digital media production introduced in FDM 2360, Production Methods.

**FDM 3372 Writing for Media Markets (3)**

Cross-listed as JOU 3372

See JOU 3372 for course information.

**FDM 3373 Screenwriting (3)**

Pre-requisite(s): Upper-level standing

Not open to Pre-Film and Digital Media students. Development of skills in writing a feature film screenplay. Topics include theme, plot, characterization, dialogue, story structure, filmic time, filmic space, filmic motion, script format, and script revision. Students will generate their own feature film idea and complete a first draft screenplay.

**FDM 3374 Television Writing (3)**

Pre-requisite(s): Upper-level standing

Not open to Pre-Film and Digital Media students. Analysis of various television production formats such as half-hour sitcoms, one-hour dramas, and two-hour movies-of-the-week. Students will generate an original script idea for an existing television program and complete a first draft teleplay.

**FDM 3380 Sound Design (3)**

Cross-listed as THEA 3380

See THEA 3380 for course information.

**FDM 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**FDM 4313 Diffusion of Innovations (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. An introduction to old and emerging theories which explain the spread of innovative ideas and technologies among members of a society, emphasizing the role of communication processes and the special problems for diffusion in communication technology.

**FDM 4314 Digital Media Technologies (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. Analysis of the technical foundations of communication media, the interrelationships among the various media technologies, and the impact of these technologies on media management, content, distribution, and consumption.

**FDM 4330 Survey of French Cinema (3)**

Cross-listed as FRE 4330

See FRE 4330 for course information.

**FDM 4340 Media and Society (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. Roles of the media in society and their relationship with other societal institutions. Impacts of the media upon society, responsibilities of the media, and restraints imposed upon them.

**FDM 4341 Electronic Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. An examination of the issues at the intersection of modern media technology, philosophy, and contemporary culture.

**FDM 4342 Art and the Moving Image (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. An examination of the cinema as an art form in the context of other artistic media (such as painting, music, etc.).

**FDM 4343 Film and Media Theory (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. The artistic potential of motion picture and television production, including major film theories and visual aesthetics. Dramatic narrative (fiction), documentary (non-fiction), and non-narrative subjects will be analyzed.

**FDM 4344 Film Criticism (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

A survey of the history of film criticism and different approaches to the analysis and critical evaluation of film. The works of major critics are analyzed and their approaches use to write film criticism.

**FDM 4347 Communication and Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. An examination of the reciprocal functions of communication and urban culture as they continue to shape and define each other. Specific areas of inquiry vary each semester. May be repeated once with a different topic (maximum six semester hours).

**FDM 4361 Audio Production (3)**

Pre-requisite(s): FDM 3361 or consent of instructor

Not open to pre-Film and Digital Media students. Advanced audio techniques for media productions, technical and conceptual aspects of sound design. Emphasis on sound/image relationships in film and video, and the interface between traditional analog and digital audio technologies. Includes recording, editing, and mixing of audio sources in the creation of original sound tracks.

**FDM 4362 Short Film Production (3)**

Pre-requisite(s): FDM 3361

Not open to pre-Film and Digital Media majors. Advanced short narrative digital cinema production with emphasis on storytelling, theme, and mise-en-scene.

**FDM 4363 Advanced Digital Production (3)**

Pre-requisite(s): FDM 3361, FDM 4365, and consent of instructor

Not open to pre-Film and Digital Media majors. Develops proficiency in producing, directing, and editing of advanced digital content using single camera and multi-camera studio techniques. Covers pre-visualization, visual effects compositing, digital audio, and postproduction. Emphasis on bringing ideas from conception to realization in a professional setting.

**FDM 4364 Interactive Media (3)**

Pre-requisite(s): FDM 3361 or consent of instructor

Not open to Pre-Film and Digital Media students. Interactive media elements and authoring systems, emphasizing the integration of computer technology in the development of interactive media messages.

**FDM 4365 Lighting and Cinematography (3)**

Pre-requisite(s): FDM 3361 or consent of instructor

Not open to Pre-Film and Digital Media students. Advanced film and video production with emphasis on the techniques, equipment, and theories involved in lighting and cinematography. Emphasis on the role of the cinematographer or director of photography.

**FDM 4366 Post Production (3)**

Pre-requisite(s): FDM 3361 or consent of instructor

Not open to Pre-Film and Digital Media students. Advanced film and video production with emphasis on the techniques, equipment, and theories involved in editing film and video. Emphasis on the use of computer-based non-linear editing systems.

**FDM 4367 Film and Video Direction (3)**

Pre-requisite(s): FDM 3361 or consent of instructor

Not open to Pre-Film and Digital Media students. In-depth investigation into the history, theory, and basic concepts of film and video direction; script preparation; story-boarding; blocking actors and staging the camera; sound; and editing. Projects include directing and shooting short videos.

**FDM 4369 Producing (3)**

Pre-requisite(s): Upper level standing or permission of instructor

Not open to Pre-Film and Digital Media students. Current film and television industry practices, including analysis of literary material, industry structure and economics, pitching, deal-making, and distribution.

**FDM 4371 Advanced Sound Design (3)**

Cross-listed as THEA 4384

See THEA 4384 for course information.

**FDM 4373 Advanced Screenwriting (3)**

Pre-requisite(s): FDM 3373 or FDM 3374 or consent of instructor

Not open to Pre-Film and Digital Media students. Workshop course for advanced writers of narrative fiction screenplays emphasizing discussion of student work.

**FDM 4380 Topics in Media History (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. In-depth investigation of important historical eras in the development of various media, for example, cinema, television, radio, and gaming. May be repeated twice under different topic not to exceed nine credit hours.

**FDM 4381 Topics in Media Management and Technology (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. Examines media management issues and the impact of technological innovations on a wide range of media industries including broadcasting, Internet, telecommunication, cable, satellite, video game, and digital cinema. May be repeated twice under different topics, not to exceed nine credit hours.

**FDM 4382 Topics in Media Storytelling (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. Examines a selected topic in film, television, radio/audio, games, or other form of digital media storytelling. May be repeated twice under different topics, not to exceed nine credit hours.

**FDM 4384 Topics in National Media (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. An aesthetic, cultural, and/or historical examination of a selected national mass medium, for example, Japanese Cinema, British Television, or French New Wave Cinema. Focuses on directors, films/programs, movements, and cultural contests of national media. May be repeated twice under different topics not to exceed nine credit hours.

**FDM 4388 Topics in Media Production (3)**

Pre-requisite(s): FDM 3361 or consent of instructor

Not open to Pre-Film and Digital Media students. Advanced media production with emphasis on one particular aspect of production. Topics covered may include cinematography, experimental film or video collaborative projects, documentary, studio drama, narrative, and other topics. May be repeated twice under different topics not to exceed nine credit hours.

**FDM 4396 Topics in Media Genres (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Not open to Pre-Film and Digital Media students. An analysis of major media genres (in film, television, gaming, and other media). Methodological issues in genre criticism will also be addressed. May be repeated twice under different topics not to exceed nine credit hours.

**FDM 4397 Topics in Contemporary Cinema (3)**

Pre-requisite(s): Upper-level standing

Not open to Pre-Film and Digital Media students. An academic examination of current cinema. Topics covered may include contemporary world cinema, contemporary American cinema, artists/directors, philosophy, history and other topics. May be repeated once with a different topic.

**FDM 4V03 Internship in Electronic and Film Media (1-6)**

Pre-requisite(s): Undergraduate: fifteen hours in major; graduate: consent of graduate director

Not open to Pre-Film and Digital Media students. Designed to fit the needs and interests of the individual student. Interns may select activities in a broadcast station or network, wire service, film production hours, corporate communications department, advertising agency, or in other appropriate organizations. Internships must be approved by the division director (undergraduate) or graduate director (graduate) and are carried out under the supervision of the division director. May be repeated for a total of six semester hours provided the professional setting is different. Graduate students will be limited to three hours credit.

**FDM 4V30 Seminar in Electronic and Film Media (1-3)**

Pre-requisite(s): Not open to Pre-Film and Digital Media students

Study of a current topic in electronic media and/or film, including directed research and reading. May be repeated once with different topic.

**FDM 4V85 Special Problems in Telecommunication (1-3)**

Pre-requisite(s): Fifteen semester hours in Communication Studies (CSS or FDM), and consent of instructor

Not open to Pre-Film and Digital Media students. A conference course designed to give individual students opportunities for additional work in their area of concentration in the film and digital media division of the department. One to three hours may be earned a semester. May be repeated once with change in content.

**FDM 4V98 Electronic and Film Media Workshop (3-6)**

Pre-requisite(s): Consent of instructor

Not open to Pre-Film and Digital Media students. A directed project to a detailed individual or group radio, television, or film production including preproduction, research and concept development, production, post production, and planning for distribution. May be repeated once in a different semester for a total of six semester hours.

**FDM 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.



## Finance (FIN)

### **FIN 3305 Principles of Risk Management and Insurance (3)**

Pre-requisite(s): A minimum grade of C in FIN 3309 or 3310 or concurrent enrollment; or consent of instructor

Only open to BBA students; BBA student must be admitted to the Business School in order to take this course. Techniques for managing pure risks in order to maximize the value of a firm. The course contrasts the risk preferences of corporations with that of individuals and explores the implications of differing preferences on insurance purchase decisions. The characteristics of as a tool in the process of managing both corporate and personal risk exposures are emphasized.

### **FIN 3306 Principles of Real Estate (3)**

Pre-requisite(s): A minimum grade of C in FIN 3310 or concurrent enrollment; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An introduction to real estate principles and practices, including ethics, titles to and conveyance of real estate, legal descriptions and deeds, encumbrances, closing procedures, land economics, real estate finance, brokerage, marketing, appraising, real estate investment, and taxation.

### **FIN 3309 Introduction to Finance (3)**

Pre-requisite(s): A minimum grade of C in ACC 2303, ACC 2304, ECO 2306 and ECO 2307; completion of MTH 1309 or 1321

Only open to BBA students. A study of the way money is managed by individuals and businesses. The course explores how financial markets operate, how individuals and corporate managers analyze investment opportunities and how they raise money to fund those investments. This course is designed as a survey of the application of financial analysis to a broad set of problems and is appropriate for undergraduate students from any major who meet the course prerequisites.

### **FIN 3310 Introduction to Corporate Finance (3)**

Pre-requisite(s): A minimum grade of C in ACC 2303 and ECO 2306 or 1380; completion of MTH 1309 or 1321

Only open to BBA students. A study of long-term financial decision making by corporations with a focus on how firms raise cash, invest cash, and distribute cash back to investors. Specific topics include how cash flow, time, risk, information, market imperfections and potential conflicts of interest affect financial decisions. Excel modeling of financial decisions is integrated throughout the course.

### **FIN 4186 Practicum in Small-Cap Investing II (1)**

Pre-requisite(s): A minimum grade of C in FIN 4285; only open to BBA students

This course gives students valuable hands-on experience researching, analyzing, and managing a portfolio of small-cap stocks. The level of security research and valuation analysis will mirror that experienced working in industry. Each student will be required to produce a stock research report and present their recommendations to the other analysts managing the investment fund.

### **FIN 4285 Practicum in Small-Cap Investing I (2)**

Pre-requisite(s): Only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course gives students valuable hands-on experience researching, analyzing, and managing a portfolio of small capitalization (small-cap) stocks by managing the Hodges Fund. The level of security research and valuation analysis will mirror the experience working in the industry.

### **FIN 4310 Entrepreneurial Finance (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Examines the intriguing process of financing the pursuit of opportunity and growth without regard to assets controlled currently. The major focus is on start-up or acquisition and the initial stages of growth. There is an emphasis on high growth firms, and the central objective is to gain an understanding of how entrepreneurs obtain and use financial resources. The course also examines how value is created.

### **FIN 4311 Fundamentals of Life and Health Insurance (3)**

Pre-requisite(s): A minimum grade of C in either FIN 3309 or 3310, or consent of the instructor; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of the financial implications of death, disability and retirement, as well as the corresponding forms of individual life insurance, health insurance and annuities. Elementary life and health insurance programming, taxation, legal aspects, business uses of individual life and health insurance, regulation, and insurer operations and functions are covered.

### **FIN 4315 Baylor Angel Network Practicum (3)**

Pre-requisite(s): Instructor approval; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

The Baylor Angel Network Practicum is to provide a unique learning opportunity for exceptional undergraduates, allowing the students to receive hands-on experience by working closely with private-equity investors and entrepreneurs seeking funding for seed or early-stage companies.

### **FIN 4320 Fundamentals of Property and Liability Insurance (3)**

Pre-requisite(s): A minimum grade of C in either FIN 3309 or 3310, or consent of the instructor; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of the property-liability insurance industry, including the economic and financial issues inherent in property-liability insurance contracting. Topics may include commercial insurance contracts, automobile insurance costs and prices, tort reform effects on insurance markets, economics of distribution systems, corporate governance and organizational form, pricing models, solvency measurement, solvency regulation and market discipline, reinsurance and catastrophic risk, underwriting and risk selection, rate-making techniques, and underwriting cycles.

### **FIN 4329 Real Estate Appraisal (3)**

Pre-requisite(s): FIN 3405 and a minimum grade of C in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

The valuation of real estate including the functions, purposes and techniques of appraising land and improvements. Additionally, an extensive review of the concepts of ownership interests, zoning, land use regulation and related topics that affect the value of real estate is included. Students will be instructed in the use of the three fundamental approaches to valuation: the sales comparison approach, the cost-less depreciation approach, and the income capitalization approach as well as capitalization techniques used in the profession. This course also examines the rule of market analysis in the valuation process.



**FIN 4331 International Business Finance (3)**

Cross-listed as INB 4331

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of international financial management, including multinational corporations (MNCs), international financial markets, international trade, foreign exchange rate, currency futures, forwards, options and swaps, currency exposures, and short- and long-term financing decisions of MNCs. With a focus on the enhancement of analytical skills based on the tools and theory of international finance, this course will promote critical thinking skills of the student.

**FIN 4332 Employee Benefit Planning (3)**

Pre-requisite(s): A minimum grade of C in either FIN 3309 or 3310, or consent of the instructor; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An examination of the rationale for, and basic details of, (1) employer provided group-life and group-health benefits, (2) private pension plans, and (3) government requirement required benefits, including social security, Medicare and Medicaid, disability income, and unemployment benefits. The approach focuses on the economic theory and historical developments of each of these areas.

**FIN 4335 Business Risk Management (3)**

Pre-requisite(s): A minimum grade of C in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course covers the new and emerging field of integrated, or enterprise risk management. Specifically, it examines the use of insurance as well as various financial instruments to control the costs of corporate risk. Emphasis is placed on the identification, evaluation, and management of corporate risks. Besides examining traditional hedging strategies, the course also considers techniques such as leveraging, post-loss financing, contingent financing, and diversification.

**FIN 4339 Real Estate Investments (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An analysis of real estate investments using ARGUS Financial Analysis, the real estate industry's leading computer software specifically designed for the analysis of income-producing properties. Additionally, an extensive review of legal issues related to ownership interests, mortgages, fair housing, and ADA requirements is included. Current issues as well as analytical methods are presented in a case study approach. Creative financing and income tax considerations are also included.

**FIN 4340 Real Estate Finance (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

The flow of real estate funds, including the origination process, the secondary market, and the securitization of mortgage pools. Excel software is used to analyze the cash flow and amortization characteristics of fixed-rate, variable-rate, and graduated-payment mortgages. Issues pertaining to tenure choice, expected mortgage life, and refinancing are also investigated.

**FIN 4350 Financial Modeling (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course is designed to provide proficiency in various analytical tools used by financial managers and analysts. Students will learn how to link financial theory to data to ultimately frame and answer questions, solve problems, and make informed financial decisions. This course bridges abstract ideas related to corporate strategy to concrete practices like firm valuation by learning to use relevant analytical tools.

**FIN 4360 Advanced Corporate Finance (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

The class applies the tools of financial analysis and financial theory to explore capital allocation and capital acquisition decisions of corporations. Students review and develop an understanding of the seminal theories that underpin the study and practice of finance.

**FIN 4361 Short-Term Financial Management (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310 or a minimum grade of B in FIN 3309 and registered for FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An advanced study of short-term financial management and financial statement analysis. Topics include cash management, credit and collections, payables management, bank relations, short-term investing and borrowing, and management of interest rate and foreign exchange risks. The class will provide partial preparation for students wishing to take the Certified Treasury Professional (CTP) exam.

**FIN 4363 Mergers and Acquisitions (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

The objective of this course is to examine mergers and acquisitions (M&A) through the lens of financial economics. Though there are a significant number of other disciplines involved in M&A (i.e., Accounting, Law, Economics, Management, etc.), we will focus primarily on the financial aspects of these transactions.

**FIN 4365 Investment Analysis (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Investment decision making with emphasis on stocks, bonds, and portfolio management. Major topics include portfolio theory and the measurement of risk, performance evaluation, the efficient markets hypothesis, valuation of securities, and portfolio composition in relation to investor objectives. Other topics may include the functioning of the securities markets, securities law and regulations, and an introduction to derivative securities.

**FIN 4366 Options, Futures, and Other Derivatives (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course covers derivative securities such as futures, forwards, swaps and options. Such securities are referred to as "derivatives" because their values depend upon the values of other assets. This course presents a conceptual framework for understanding how to price derivatives and design risk management strategies.

**FIN 4370 Financial Analysis and Banking (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An advanced study of financial statement analysis that includes the UCA Cash Flow Statement, fraud, window dressing and warning signs. Other topics include credit policy and loan characteristics; loan underwriting techniques that mitigate credit risk; evaluating commercial loan requests; pricing fixed-income securities; and managing interest rate risk as it relates to earnings sensitivity and economic value of equity.

**FIN 4381 Practicum in Portfolio Management (3)**

Pre-requisite(s): FIN 4365 or equivalent and consent of instructor; only open to BBA students

This practicum gives students valuable hands-on experience in securities research, valuation of risky assets, and asset allocation by managing the Philip M. Dorr and Alumni Endowed Investment Fund. Through readings and student-prepared research reports students develop skills in evaluating economic, industry, and firm data; integrating such data into securities analysis; and communicating their research results to others.

**FIN 4387 Seminar in Contemporary Financial Economics (3)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course provides students with the opportunity to explore current research topics in finance. Students attend the department's research seminars and discuss papers presented by external speakers. The course is primarily intended for students considering the pursuit of a doctoral degree in finance.

**FIN 4V97 Special Studies in Real Estate (1-6)**

Pre-requisite(s): FIN 3405 and consent of department chairperson; not open to pre-business students

With the consent of the chair of the Department of Finance, Insurance, and Real Estate, this course may be taken for one to six semester hours of credit with change of topic.

**FIN 4V98 Special Studies in Finance (1-6)**

Pre-requisite(s): A minimum grade of B- in FIN 3310; not open to pre-business students

With the consent of the chair of the Department of Finance, Insurance, and Real Estate, this course may be taken for one to six semester hours of credit.

**FIN 4V99 Special Studies in Risk Management and Insurance (1-6)**

Pre-requisite(s): FIN 3305; not open to pre-business students

With the permission of the chair of the Department of Finance, Insurance, and Real Estate, this course may be taken for one to six semester hours of credit.

## First Year Seminar (FYS)

**FYS 1399 First Year Seminars (3)**

Introduces first year students to the world of academics and the scholarly community through exploration of a topic of significant cultural/social importance with a distinguished faculty member. Includes emphasis on critical inquiry and thinking, research, writing, and problem solving. First Year Seminars are offered in history, biology, English, political science, economics, psychology, neuroscience, social work, classics, and other departments. The course may be repeated once under a different department and topic.

## Forensic Science (FORS)

**FORS 1390 Survey of Forensic Science (3)**

Pre-requisite(s): CHE 1101/1301; or consent of instructor

An introduction to forensic science with a focus on the history and current state of disciplines including crime and death scene investigation, chain of custody procedures, the forensic laboratory and its components and expert testimony. Field trips, guest speakers and hands-on activities.

**FORS 2391 Topics in Forensic Science Methods I (3)**

Pre-requisite(s): Consent of instructor

Lecture and field experience in the methods and techniques of forensic science. Topics will vary. May be repeated once under a different topic.

**FORS 3310 Bloodstain Pattern Analysis (3)**

Pre-requisite(s): FORS 1390

Recognition of bloodstain pattern evidence, flight characteristics, motion, and force. Includes hands-on activities.

**FORS 3320 Trace Evidence (3)**

Pre-requisite(s): FORS 1390

Trace evidence at crime scenes; includes hair, fibers, soils, paint, bloodstains, fluids, and other substances.

**FORS 3330 Impression Evidence (3)**

Pre-requisite(s): FORS 1390

Impression evidence at crime scenes; includes fingerprints, footwear, tires, firearms, tool marks, and bite marks.

**FORS 3331 Human Osteology (3)**

Cross-listed as ANT 3331

See ANT 3331 for course information.

**FORS 3340 Expert Witness Testimony (3)**

Pre-requisite(s): FORS 1390

The forensic expert witness in the courtroom. Class taught in conjunction with practice court presentations at the Baylor Law School.

**FORS 3350 Forensic Application of White-Collar Crime (3)**

Pre-requisite(s): FORS 1390

Investigations of white-collar crimes and their place in forensic science.

**FORS 3357 Crime Scene Investigation (3)**

Pre-requisite(s): FORS 1390

Examining and processing the crime scene for physical evidence such as fingerprints, footwear impressions, trace evidence, occult blood, and DNA. Photography, search strategies, collection methods, and legal considerations will be reviewed. (Students may not receive credit for both FORS 2357 and FORS 3357).

**FORS 3360 Forensic Firearms Evidence (3)**

Pre-requisite(s): FORS 1390

Firearm evidence; includes nomenclature, analytical methods, gunshot residues, ballistics, and shooting incident reconstruction.

**FORS 3370 Medicolegal Death Investigation (3)**

Pre-requisite(s): FORS 1390

An in-depth study into the practices and principles of death investigation and autopsy protocols from medical, scientific, and legal perspectives, including the investigation of natural and unnatural causes of death, such as asphyxia, toxicity, blunt force trauma, sharp force trauma, and natural disease processes.

**FORS 3380 Advanced Forensic Investigations (3)**

Pre-requisite(s): FORS 1390

This course provides training in crime scene investigative specialties in conjunction with forensic science techniques, including simulated crime scenes beginning with the initial report of the offense and continue through courtroom procedures and the legal process.

**FORS 3392 Topics in Forensic Science Methods II (3)**

Pre-requisite(s): Consent of instructor

Lecture and field experience in the methods and techniques of forensic science. Topics will vary. May be repeated once under a different topic.

**FORS 3393 Forensic Analysis of Biological Evidence (3)**

Pre-requisite(s): FORS 1390

A specialized course on biological materials relevant to a legal setting. Topics include microorganisms and bioterrorism, invertebrates, pathology, hair, and human biological materials.

**FORS 3394 Forensic DNA Analysis (3)**

Cross-listed as ANT 3394

Pre-requisite(s): ANT 1404 or BIO 1305 or BIO 1306 or consent of instructor

A specialized course on the use of DNA evidence in legal situations. Topics include basic DNA techniques, forensic DNA profiling, DNA databases, and DNA statistics in a lecture and applied format.

**FORS 4355 Forensic Anthropology (3)**

Cross-listed as ANT 4355

See ANT 4355 for course information.

**FORS 4359 Death, Injury, and Physical Remains (3)**

Cross-listed as ANT 4358, ANT 4359

Pre-requisite(s): FORS 3331 or ANT 3331 and FORS 4355 or ANT 4355

An in-depth study looking at the information the forensic anthropologist provides the medical examiner or coroner in determining the manner of death in a forensic context.

**FORS 4V50 Independent Topics in Forensic Science (1-3)**

Pre-requisite(s): Consent of instructor

Individual topics not available in formal courses of the department. May include independent study or research; directed reading; supervised work in the library, laboratory, or field; or presentation of material.

## French (FRE)

**FRE 1101 French Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**FRE 1102 French Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**FRE 1301 Elementary French (3)**

Introduction to French language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**FRE 1302 Elementary French (3)**

Pre-requisite(s): FRE 1301

Introduction to French language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency.

**FRE 1412 Accelerated Elementary French (4)**

Pre-requisite(s): Appropriate score on departmental placement exam; or departmental approval

An intensive course in first-year college French especially for students with two-three years of high school French. Covers the content of FRE 1301 and 1302 in only one semester. As grammar is reviewed, emphasis is placed on the major skill areas (ACTFL Guidelines): reading, writing, listening, speaking, and cultural awareness.

**FRE 2310 Intermediate French (3)**

Pre-requisite(s): FRE 1302 or 1412 or appropriate score on departmental placement exam; or departmental consent

Introduction to French language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**FRE 2312 Intermediate French for Business (3)**

Pre-requisite(s): FRE 1402 or FRE 1412 or appropriate score on departmental placement exam

Introduction to French business publications and development of communication skills within a business context. This course is designed primarily for students seeking a B.B.A. degree, but may be substituted for FRE 2310 and used in fulfillment of the foreign language requirement in the College of Arts and Sciences.

**FRE 2320 Passport to the French-Speaking World (3)**

Pre-requisite(s): FRE 2310 or 2312 or appropriate score on departmental placement exam; or departmental approval

An exploration of the numerous facets of French and Francophone culture including art, music, cinema, literature, history, geography, cuisine, media, and pop culture while expanding upon the language skills developed in the preceding three semesters.

**FRE 2321 French for Health Professions (3)**

Pre-requisite(s): FRE 2310 or 2312 or appropriate score on departmental placement exam; or departmental approval

Intermediate French course designed to meet the needs and interests of prospective medical and health-care professionals.

**FRE 3301 Advanced French Grammar (3)**

Pre-requisite(s): FRE 2320 or appropriate score on departmental placement exam; or departmental approval

A review of familiar French grammar and an exploration of complex grammatical structures in a communicative context.

**FRE 3302 Conversational French (3)**

Pre-requisite(s): FRE 2320 or appropriate score on departmental placement exam; or departmental approval

Conversation, original composition.

**FRE 3305 Introduction to Commercial French (3)**

Pre-requisite(s): One 3000 level French course or consent of division director

Study of the essential vocabulary and style specific to French business, the basic workings of the French economy, the services which support the system. Discussions and oral reports in French, translations, writing business correspondence.

**FRE 3306 French Phonetics (3)**

Pre-requisite(s): FRE 2320

A review of the French sound system through practice in pronunciation.

**FRE 3307 Bon appetit!: Cuisine and Culture in the French-Speaking World (3)**

Pre-requisite(s): FRE 2320 or consent of Division Director

The cuisine and culture of France and the Francophone world.

**FRE 3308 French and Francophone Pop Culture (3)**

Pre-requisite(s): FRE 2320

Popular culture in France and the Francophone world as represented in film, music, popular literature, mass media, gastronomy, and fashion.

**FRE 3309 French Art in Conversation (3)**

Pre-requisite(s): FRE 2320 or consent of Division Director

Conversation course focusing on French and Francophone art.

**FRE 3310 Introduction to French Literature (3)**

Pre-requisite(s): FRE 2320

Introduction to French literature through the study of selected major works.

**FRE 3312 Children's Literature in French (3)**

Pre-requisite(s): FRE 2320

Children's literary genres including the classic novel, the short story, picture books, folk and fairy tales, as well as African contes.

**FRE 3315 Panorama of French Theatre (3)**

Pre-requisite(s): FRE 2320

A study of French theater involving the reading, discussion, viewing, and performance of representative plays from the middle ages to the twentieth century.

**FRE 3320 Conversation and Composition in Paris (3)**

Pre-requisite(s): FRE 2320 or consent of division director

Further development of communication skills through discussions, projects, and original composition. Geared to the intensive environment of the Baylor-in-Paris program.

**FRE 3325 Advanced Conversation and Composition (3)**

Pre-requisite(s): FRE 2320

Advanced oral and written communication.

**FRE 3328 Around the Francophone World in 45 Days (3)**

Pre-requisite(s): FRE 2320

Introduction to Francophone cultures around the world, including arts, films and literatures.

**FRE 3330 Introduction to French Cinema (3)**

Pre-requisite(s): FRE 2320

Study of French film for insights into French culture as well as for the enhancement of language skills.

**FRE 3337 French Civilization (3)**

Pre-requisite(s): One 3000 level French course or consent of division director

The social, cultural, historical, and intellectual aspects of French civilization from its origins to the twentieth century.

**FRE 3338 Contemporary France (3)**

Pre-requisite(s): One 3000 level French course; or consent of division director

Contemporary French culture from the beginning of the Fifth Republic in 1958 to the present.

**FRE 3340 Paris: A Cultural Overview (3)**

Pre-requisite(s): FRE 2320

The culture, history and urban make-up of Paris as well as its place in French literature, cinema and the "chanson." Use of texts, music, film and the Internet.

**FRE 3341 Tour de France: Regions and Provinces (3)**

Pre-requisite(s): FRE 2320

The cultural, economic, geographical and historical aspects of France's regions and former provinces.

**FRE 3348 A Moveable Feast: An Exploration of Paris and Its Culture (3)**

Pre-requisite(s): FRE 2320

Chronological study of Paris through literary texts, theatrical presentations, and excursions to cultural and historic sites in and around the city

**FRE 3351 Introduction to French Linguistics (3)**

Pre-requisite(s): FRE 2320 or division approval

The systematic study of the sounds, structures, and meanings of the French language and its dialects.

**FRE 3V70 Special Problems (1-3)**

Pre-requisite(s): Consent of division director

With content changed, this course may be repeated once for credit.

**FRE 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**FRE 4301 Topics in French Grammar (3)**

Pre-requisite(s): FRE 3301 or consent of instructor

Continued study of French grammar focusing on problematic structures.

**FRE 4315 Methods of Foreign Language Teaching (3)**

Cross-listed as GER 4315, SPA 4315

See SPA 4315 for course information.

**FRE 4328 Francophone Culture and Literature (3)**

Pre-requisite(s): One 3000 level French course or consent of division director

Selected readings, films, and music from Francophone Africa, Caribbean, America, and Asia.

**FRE 4330 Survey of French Cinema (3)**

Cross-listed as FDM 4330

Pre-requisite(s): Upper-level standing or consent of the instructor

New course description: The history of French cinema from the Lumiere brothers in the 1890s to contemporary French film. Taught in English and does not count towards the language requirement.

**FRE 4331 French Writers and Ideas I: From Roland to Revolution (3)**

Pre-requisite(s): One 3000 level French course or consent of division director

French literature from its origin through the eighteenth century.

**FRE 4332 French Writers and Ideas II: From Romanticism to Post-Modernism (3)**

Pre-requisite(s): One 3000 level French course or consent of the instructor

French literature of the nineteenth and twentieth centuries.

**FRE 4341 French Media (3)**

Pre-requisite(s): One 3000 level French course or consent of division director

Current newspaper and magazine articles, recordings of radio broadcasts, and video cassettes are used to increase language skills and understanding of contemporary French culture.

**FRE 43C0 French Senior Capstone (3)**

Pre-requisite(s): Three French courses at the 3000/4000 level and upper-level standing

The study of a general theme from both a literary and a cultural perspective. Topic varies from year to year.



**FRE 4V90 Independent Study (1-3)**

Pre-requisite(s): Consent of division director

Independent study in French language or literature in consultation with a professor. Examination and term paper. With content changed, this course may be repeated once for credit.

**FRE 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Freshman Academic Seminar (FAS)

**FAS 1302 Freshman Academic Seminar: English (3)**

Pre-requisite(s): First-semester freshman standing

Introduces first year students to the world of academics and the scholarly community through exploration of a topic of significant cultural/social importance in the area of English. Emphasizes critical inquiry and thinking, research, writing, and problem solving.

**FAS 1304 Freshman Academic Seminar: History (3)**

Pre-requisite(s): First-semester freshman standing

Introduces first-year students to the world of academics and the scholarly community through exploration of topics of significant cultural/social importance in the area of history. Emphasizes critical inquiry and thinking, research, writing, and problem solving.

**FAS 1306 Freshman Academic Seminar: Fine Arts (3)**

Pre-requisite(s): First semester freshman standing

Introduces first-year students to the world of academics and the scholarly community through exploration of topics of significant cultural/social importance in the area of fine arts. Emphasizes critical inquiry and thinking, research, writing, and problem solving.

**FAS 1309 Freshman Academic Seminar: Mathematics (3)**

Pre-requisite(s): First semester freshman standing

Introduces first-year students to the world of academics and the scholarly community through exploration of topics of significant cultural/social importance in the area of mathematics. Emphasizes critical inquiry and thinking, research, writing, and problem solving.

**FAS 1311 Freshman Academic Seminar: Modern Languages, Cultures, and Global Communities (3)**

Introduces first-year students to think about his/her role as a contributing global citizen in the Baylor & Beyond LLC, at Baylor, in the Waco community, and in the world. Emphasizes techniques of good writing, analytical reading and thinking, academic research, respectful discourse, and problem solving. Counts in the Foreign Languages and Cultures distribution list if the student has reached the 2310 level in any language.

**FAS 1407 Freshman Academic Seminar: Science (4)**

Pre-requisite(s): First semester freshman standing

Introduces first-year students to the world of academics and the scholarly community through exploration of topics of significant cultural/social importance in the area of science. Emphasizes critical inquiry and thinking, research, writing, and problem solving.

## Geography (GEOG)

**GEOG 1300 World Geography (3)**

A description survey of the world's major geographic provinces emphasizing the influence of environment and natural resources on human activity.

**GEOG 1310 Cultural Geography (3)**

Cross-listed as ANT 1310

See ANT 1310 for course information.

**GEOG 1404 Physical Geography (4)**

Geographic and functional relationships within the physical environment: Earth-Sun relationships, weather, climate, soils, vegetation, and landforms. Weekly laboratory included.

**GEOG 4316 Geography for Educators (3)**

Pre-requisite(s): Upper-level standing and for School of Education majors only

Orientation to geography as a scholarly discipline, with emphasis on the National Geography Standards, and the five themes of geography. Course explores instructional methods and materials for teaching geography.

## Geology (GEO)

**GEO 1106 The Earth Through Time, Laboratory (1)**

Pre-requisite(s): GEO 1306 or GEO 1307 or concurrent enrollment  
Counterpart lab to either GEO 1306 or GEO 1307.

**GEO 1109 Origins of Habitable Worlds, Laboratory (3)**

Pre-requisite(s): Credit or concurrent enrollment in GEO 1309  
Counterpart laboratory for GEO 1309.

**GEO 1306 The Earth Through Time (3)**

In this course, students will gain an understanding of the relationship between the Earth's history and what that history suggests about both Earth's future and the present distribution of natural resources that support civilization.

**GEO 1307 Evolution and Extinction (3)**

An examination of the fossil and geologic evidence of the history of life on Earth to help address that fundamental question. This course will emphasize what the fossil records tells us about evolutionary processes, major extinction events in Earth history, the relationship between the Earth's changing climates and environments and evolution, and the implications of future climate change for life on Earth.

**GEO 1309 Origins of Habitable Worlds (3)**

This course asks "What makes a planet habitable?" by exploring the origins and inner workings of rocky planets and moons. This course will focus on the geologic processes that are endemic to Earth-like planets and will explore the ways in which NASA spacecraft missions illuminate these processes.

**GEO 1401 Earthquakes and Other Natural Disasters (4)**

Survey of the natural disasters afflicting mankind. The course examines the causes and impact upon society of earthquakes, volcanoes, landslides, subsidence, and floods. Weekly laboratory. Students taking GEO 1401 cannot receive credit for GEO 1403 or GEO 1405.

**GEO 1402 World Oceans (4)**

Introduction to oceanography emphasizing human interaction with the oceans: ocean resources, global environmental ethics, and conflicts resulting from ocean exploitation. One Saturday field trip required.

**GEO 1403 Environmental Geology (4)**

A study of the interaction between people and the geologic environment. Emphasis will be placed on catastrophic geologic processes, earth resources, pollution, and regional planning. Students taking GEO 1403 cannot receive credit for GEO 1401 or GEO 1405.



**GEO 1405 The Dynamic Earth (4)**

Survey of processes that have shaped the earth, including mountain building, volcanism, deposition of sediments, and landscape development. Plate tectonics integrates all the above into a dynamic theory of the deformation of the earth. Weekly laboratory. Students taking GEO 1405 cannot receive credit for Geo. 1401 or Geo. 1403.

**GEO 1408 Earth Science (4)**

A descriptive survey of the earth sciences including astronomy, geology, meteorology, and oceanography. One Saturday field trip required.

**GEO 1410 Gems and Minerals (4)**

Theory and application of gemology. Topics include crystallography, mineral optics, crystallization conditions, identification, and preparation of gemstones.

**GEO 1V90 Special Problems (1-3)**

Pre-requisite(s): Consent of department chair

The current understanding of the earth as studied in a lab setting through group experimentation and projects. May be repeated with a change in content or topic.

**GEO 3312 Geography of North America (3)**

Regional analysis of physical economic, and cultural phenomena in the United States and Canada with emphasis on Texas.

**GEO 3313 Regional Geology (3)**

Pre-requisite(s): GEO 1401, 1402, 1403, 1405 or 1408; and 1406 or (1106 and 1306) or (1106 and 1307)

A survey of regional stratigraphic, structural, physiographic, petrographic, and mineralogic provinces of the United States. Extensive library research is required.

**GEO 3319 Geophysics (3)**

Pre-requisite(s): GEO 1401, 1402, 1403, 1405, 1408 or 1109 and 1309  
Introduction to the study of the earth by quantitative physical methods, especially by seismic reflection and refraction, gravity, magnetic, electrical, and radiation methods.

**GEO 3325 Earth Materials (3)**

A study of mineral and rock groups, their composition, properties, occurrence, and identification. Field trips and laboratory exercises included. Rock, mineral, and fossil collections are required.

**GEO 3329 Aqueous Geochemistry (3)**

Pre-requisite(s): GEO 1401, 1402, 1403, 1405 or 1408; or consent of instructor

An introduction to the processes that control the chemical composition of surface and groundwater. Emphasis on the differentiation between natural geochemical processes and human perturbations of the environment.

**GEO 3341 Marine Field Studies (3)**

Cross-listed as BIO 3341

Pre-requisite(s): Four semester hours of geology or biology, and consent of instructor

Field examination of modern marine environments, including coral reefs, lagoons, deltas, and beaches. Individual research projects emphasize geology or biology of coral reefs. Offered during summer session.

**GEO 3344 Sedimentary Field Studies (3)**

Pre-requisite(s): GEO 1401, 1402, 1403, 1405, or 1408; and GEO 1106 with either 1306 or 1307

Field study of modern sediments and ancient sedimentary rocks. Physical and biological features of modern sedimentary environments are examined to provide the basis for interpreting ancient environments in the rock record. Offered during summer session.

**GEO 3349 Hydrologic Processes (3)**

Pre-requisite(s): Upper-level standing

Theory and principles of hydrology and hydrogeology focusing on the physical processes: the hydrologic cycle, definitions, equations, streams, flooding, erosion, sedimentation and transport, aquifers, groundwater flow and well hydraulics. One or more local field trips required.

**GEO 3365 Applied Petroleum Geoscience (3)**

Pre-requisite(s): Geo

1405 and 1406 or (1106 and 1306) or (1106 and 1307). Basic and intermediate concepts related to hydrocarbon origin, migration and accumulation. Review of the design and application of standard analytical techniques and technologies used in hydrocarbon exploration and production.

**GEO 3427 Mineralogy (4)**

Pre-requisite(s): GEO 1405 (or equivalent) and credit or concurrent enrollment in either CHE 1300 or CHE 1301

Igneous, Sedimentary, and Metamorphic rocks in hand specimen; crystallography and systematic mineralogy. Occasional field trips.

**GEO 3430 Petrology (4)**

Pre-requisite(s): GEO 3427 and CHE 1302; or consent of instructor  
Origin and evolution of Igneous, Sedimentary, and Metamorphic rocks. Includes optical mineralogy of principal rock-forming minerals and thin section study of rocks. Required field trip.

**GEO 3435 Invertebrate Paleontology (4)**

Cross-listed as BIO 3435

Prerequisite (s): Prerequisite (s): GEO 1406 or (1106 and 1306) or (1106 and 1307) or consent of instructor. Introduction to taxonomy, morphology, evolution, paleoecology and stratigraphic aspects of invertebrate fossils. Emphasis on biostratigraphic and time-stratigraphic concepts, evolutionary trends, speciation, biometrics, facies, faunas, zonation, and correlation. Independent field and lab problems.

**GEO 3442 Field Stratigraphy-Sedimentology (4)**

Prerequisite (s): GEO 3427 and 3435 or consent of instructor. Study of sediments and sedimentary rocks in the field. The interpretation of geologic history, based on outcrop investigation. Includes numerous written and oral reports, weekly field trips, and occasional weekend field trips. Recommended for junior year.

**GEO 3445 Structural Geology (4)**

Prerequisite (s): GEO 1406 or (1106 and 1306) or (1106 and 1307) and GEO 3430 or consent of instructor. The structures of the earth's crust; their classification, origin, and economic aspects; methods of discovery of structures; solution of structural problems; elementary field methods. Two field trips are required.

**GEO 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**GEO 4300 Senior Thesis (3)**

Pre-requisite(s): Requires a GPA of 3.25 overall or 3.5 in Geology and consent of the instructor

Independent research problem. Result will be submitted in proper thesis format with an oral defense.

**GEO 4301 Senior Colloquium (3)**

Pre-requisite(s): Senior level standing Readings and presentations that emphasize integration of major core courses in the major

**GEO 4302 Mentored Research Experience (3)**

Pre-requisite(s): Prerequisite (s): Consent of instructor and Senior level standing

Research in laboratory or field with faculty or graduate student under direction of faculty. Requires a written report to faculty mentor.

**GEO 4303 Internship (3)**

Pre-requisite(s): Prerequisite(s): Consent of instructor and Senior level standing

Supervised work experience in a geology-related position with an outside agency or company. This course will allow undergraduates the chance to experience work in an area of their career interest.

**GEO 4312 Oceanography (3)**

Physical, chemical, biological, and geological aspects of the oceans with special emphasis on the direct and indirect relationships of humans to the oceans. Such topics as mining the sea and its floor, farming the seas, and influence of the oceans on weather are included. Field trips and laboratory exercises. May not be taken for credit if GEO 1402 has been taken.

**GEO 4313 Astronomy (3)**

A brief history of astronomy developments followed by a survey of the dimensions, motions, and interrelationships of bodies in our solar system. Additional emphasis is given to galaxies, stellar evolution, and cosmology.

**GEO 4314 Meteorology (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Composition of the atmosphere, atmospheric processes, weather disturbances, and climate elements and controls. Emphasis is placed on climate classification and measurements of human inputs into the atmosphere.

**GEO 4317 Sedimentary Geochemistry (3)**

Pre-requisite(s): Consent of instructor

A chemical investigation of geological processes and materials in low temperature and pressure environments including important chemical reactions occurring at various stages of the surface cycle.

**GEO 4321 Isotope Geochemistry (3)**

Pre-requisite(s): Consent of instructor

Theory and application of stable and radioactive isotopes in geology with particular emphasis on the use of stable isotopes in solving environmental, paleoclimate, and hydrogeologic problems.

**GEO 4322 Global Biogeochemical Cycles (3)**

Pre-requisite(s): CHE 1301, 1302, 1101, 1102; and BIO 1403; and GEO 1405 and 3427

The chemistry of the earth's surface. Emphasis on the dynamic chemical and biological reactions on land, in the oceans, and in the atmosphere and their influence upon the global budgets and cycling of carbon, nitrogen, oxygen, and sulfur. Includes field trips.

**GEO 4323 Geodynamics (3)**

Pre-requisite(s): Consent of instructor

Study of dynamic processes in solid planetary bodies using mathematical reasoning or MATLAB scripts.

**GEO 4324 Geomicrobiology (3)**

Pre-requisite(s): Consent of instructor

Microbial metabolic processes that have coevolved with the Earth's surface environment including the changing composition of the upper lithosphere, hydrosphere, and atmosphere.

**GEO 4325 Economic Mineral Deposits (3)**

Pre-requisite(s): GEO 3427 and 3445

Non-hydrocarbon economic mineral deposits. Origin and migration of ore-bearing fluids; mineralogy and geometry of ore bodies; relations of ore deposits to magnetism and tectonics. Field trip to Central Texas mining district.

**GEO 4328 Sedimentary Petrology (3)**

Pre-requisite(s): GEO 3427 and 3435 or consent of instructor

Microscopic and field characteristics of sedimentary rocks. Emphasis on interpretation of depositional and diagenetic environments and relationships between geometry of rock bodies and sedimentary processes.

**GEO 4332 Science Leadership: Community Environmental Research (3)**

Cross-listed as ENV 4332

See ENV 4332 for course information.

**GEO 4335 Volcanology (3)**

Pre-requisite(s): Consent of instructor

Analysis of volcanic ejecta. Mechanisms of lava and pyroclastic eruptions. Geomorphological analysis of volcanic landforms. History of geological studies and case studies of well-known volcanoes. Field trips.

**GEO 4336 Analytical Techniques in Geochemistry (3)**

Pre-requisite(s): GEO 3427

Principles and practice of X-ray fluorescence and electron probe analysis of geologic materials. Includes extensive laboratory work.

**GEO 4337 Paleoecology (3)**

Pre-requisite(s): GEO 3435 or consent of instructor

Relationship of fossil plants and animals to their physical and biological environment. Examination of principles of paleosynecology and paleoautecology; data gathering, analysis, and techniques of interpretation.

**GEO 4339 Advanced Marine Field Studies (3)**

Cross-listed as BIO 4339

Pre-requisite(s): GEO 3341 or 5333 or BIO 3341

Continuation of GEO 3341/5333. Field examination of marine environments. Individual research projects emphasize biology and geology of carbonate depositional regimes.

**GEO 4340 Geomorphology (3)**

Pre-requisite(s): Upper-level standing

Development and modification of land-surface forms by atmospheric, fluvial, glacial, mass-wasting, volcanic, and tectonic agents. Emphasis is placed on the spatial aspects of landscape evolution.

**GEO 4341 Introduction to Hydrology (3)**

Pre-requisite(s): Consent of instructor

Basic applied techniques in surface and ground water hydrology. Surface water hydrology will incorporate analysis of precipitation records, runoff processes, and calculation of flood hazard. Ground water hydrology will emphasize hydrogeology techniques, including simple models of ground water movement.

**GEO 4345 Water Management (3)**

Cross-listed as ENV 4345

See ENV 4345 for course information.

**GEO 4346 Hydrogeology (3)**

Pre-requisite(s): GEO 3342 and 3445

Hydrogeology (ground water hydrology) for geologists and engineers.

Topics to be covered include evaporation and precipitation, soil moisture, principles of ground water flow, regional ground water flow, geology of ground water occurrence, flow to wells, ground water chemistry, and ground water development and management.

**GEO 4348 Geoarchaeology (3)**

Cross-listed as ANT 4348

Pre-requisite(s): Upper-level standing or consent of instructor

Concepts and methods of the geosciences applied to solving archaeological problems. Emphasis on stratigraphy, soils, climate, dating techniques, site formation, and site preservation related to both New World and Old World archaeology.

**GEO 4361 Petroleum Geoscience Concepts (3)**

Pre-requisite(s): Consent of instructor

Geologic controls on the formation and accumulation of oil and gas, including concepts, equipment, data types and analytical procedures used in exploration and production.

**GEO 4371 Wetlands (3)**

Cross-listed as ENV 4371

Pre-requisite(s): Upper-level standing or consent of instructor

Theory and application of the wetland concepts: classification, hydrology, biochemistry, soils, vegetation, construction, regulation, and delineation. Field lab.

**GEO 4373 Global Soil Systems (3)**

Cross-listed as ENV 4374

Fundamentals of soil genesis, classification, geomorphology, ecosystems, and environmental interpretation. Includes the role of soil biogeochemical cycles in past, current, and future global change issues. Field lab.

**GEO 4375 Natural Landscape Evaluation and Planning (3)**

Cross-listed as ENV 4375

Recognition of natural features that affect human uses. Evaluation of natural landscapes on a scale from complete preservation to full development. Experience in urban landscapes. Includes one or more Saturday field trips.

**GEO 4381 Paleoclimatology (3)**

Pre-requisite(s): Consent of instructor

A survey of important changes in the Earth's climate using primary literature and the proxies and models used to determine and interpret the causes and effects of these changes.

**GEO 4383 Climate Change and Society I (3)**

Pre-requisite(s): GEO 1401, 1402, or 1405

Details how humans have changed Earth's atmosphere, climate and environments which has challenged the sustainability of the planet. Earth systems models will be examined to highlight past and future climate changes.

**GEO 4384 Monsoon Climatology and Paleoclimatology (3)**

Pre-requisite(s): Senior level standing and GEO 4340

A global view on monsoon climate dynamics and variability in the 21st century, the past 20,000 years and into the future.

**GEO 4386 Remote Sensing (3)**

Cross-listed as AVS 4386, BIO 4386, ENV 4386

Pre-requisite(s): Consent of instructor

Physical mechanisms of surface and atmospheric materials absorption, transmittance, reflection, and emittance of light measured by various remote sensing platforms. Survey various applications related to earth science, ecology, meteorology, and environmental science.

**GEO 4388 Earth System Science (3)**

Pre-requisite(s): Consent of instructor

The internal and external forcing factors that influence the Earth's four systems (atmosphere, hydrosphere, biosphere, and solid Earth), and how they affect the Earth's climate.

**GEO 4389 Quaternary Geology (3)**

Pre-requisite(s): GEOG 1404, GEO 1405, 1406 or (1106 and 1306) or (1106 and 1307), or 1408; or consent of instructor; and upper-level standing  
An examination through morphologic, stratigraphic, and biogeochemical proxy data of the nature of earth environments, focusing on the three most important components: Quaternary stratigraphies, Quaternary chronologies, and Quaternary environmental proxies and their interpretation.

**GEO 4430 Vertebrate Paleontology (4)**

Cross-listed as BIO 4430

See BIO 4430 for course information.

**GEO 4431 Evolutionary History of Plants (4)**

Pre-requisite(s): GEO 1406 or (1106 and 1306) or (1106 and 1307)

The evolutionary history of plants as studied through the fossil record, including preservation, plant morphology and anatomy, and techniques used to reconstruct paleoenvironment and paleoecology. Weekly labs, with one weekend field trip.

**GEO 4453 Advanced Three-Dimensional Seismic Interpretation (4)**

Pre-requisite(s): GEO 4458 or consent of instructor

Techniques used to extract geological information from three-dimensional seismic reflection data. Laboratory emphasizing interpretation of real data sets, integration of other geologic and geophysical data, and construction of subsurface maps and sections.

**GEO 4455 Introduction to Seismology (4)**

Pre-requisite(s): PHY 1420, MTH 2321, and upper-level standing or consent of instructor

Theory of wave propagation in the Earth, earthquake mechanics, Earth structure, interpretation of seismograms, faults, seismotectonics, earthquake locations, magnitudes, and focal mechanisms.

**GEO 4457 Geophysical Exploration I (4)**

Pre-requisite(s): GEO 3342 and 3445 and consent of instructor

Exploration geophysics, using gravity, magnetics, heat flow, telluric currents, resistivity, and other methods of remote sensing of hidden geological phenomena exclusive of seismic exploration. Laboratory work will emphasize geological interpretation of geophysical data.

**GEO 4458 Geophysical Exploration II (4)**

Pre-requisite(s): GEO 3342 and 3445; and consent of instructor

Exploration geophysics, using latest seismic techniques and well-log analyses, with emphasis on petroleum exploration.

**GEO 4459 Engineering Geology (4)**

Pre-requisite(s): Consent of instructor

Soil and rock mechanics. Analysis of geotechnical problems in the field and lab, report preparation, and computer evaluation of geotechnical problems.

**GEO 4485 Introduction to Geographic Information Systems (4)**

Cross-listed as AVS 4485, ENV 4485, GEO 4385

The course covers the use of GIS to acquire primary geographic data, solve geographic problems, automate geographic analysis, and render explanations for geographic patterns and trends. Students will use the latest GIS software and data layers in a lab section.

**GEO 4487 Advanced GIS Analysis (4)**

Cross-listed as AVS 4487, ENV 4487, GEO 4387

See ENV 4487 for course information.

**GEO 4656 Geophysical Field Training (6)**

Pre-requisite(s): GEO 4457 or 4458 or consent of instructor

Practice in the efficient, accurate, and cost effective acquisition of geophysical data in the field. The course will involve field practice with gravimeters, magnetometers, borehole drilling and logging devices, exploration seismic gear, surface electrical prospecting equipment, physical laboratory models, and digital data processing equipment as specific equipment is available from summer to summer. Field work will be conducted on a weekly schedule of at least five half days, with data reduction taking up the remaining time.

**GEO 46C3 Capstone Field Experience (6)**

Pre-requisite(s): Consent of instructor

Includes extended field trip, oral and written reports, sample identification, and design of field problems. Synthesis of undergraduate curriculum through geological mapping and interpretation of field processes.

**GEO 4V90 Special Problems (1-5)**

Pre-requisite(s): Consent of department chair

Course may be repeated with a change in content or topic.

**GEO 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## German (GER)

**GER 1301 Elementary German (3)**

Introduction to German language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency.

**GER 1302 Elementary German (3)**

Pre-requisite(s): GER 1301 or equivalent

Continuation of GER 1301. Introduction to German language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Further progress from novice toward intermediate-level proficiency

**GER 1412 Accelerated Elementary German (4)**

Completes content of GER 1301 and GER 1302 in one semester.

Motivated students or those seeking a review of previous German study should make rapid progress in this course

**GER 2310 Intermediate German (3)**

Pre-requisite(s): GER 1302 or 1412, or appropriate score on departmental placement exam, or departmental approval

Intermediate German language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading); continuing progress toward intermediate-level proficiency.

**GER 2312 Intermediate German for Business (3)**

Pre-requisite(s): GER 1302 or GER 1412 or equivalent; or departmental approval

Introduction to German business publications and development of communication skills within a business context. This course is designed primarily for students seeking a B.B.A. degree, but may be substituted for GER 2310 and used in fulfillment of the foreign language requirement in the College of Arts and Sciences.

**GER 2320 German for Modern Life (3)**

Pre-requisite(s): GER 2310 or equivalent

An exploration of topics that affect life and society for today's German-speaking populations. Continued practice in listening, speaking, reading, and writing German at the intermediate level. Class conducted in German, with emphasis on developing conversational skills and cultural competency.

**GER 2412 Accelerated Intermediate German (4)**

Pre-requisite(s): Prerequisite(s): GER 1302 or GER 1412 or equivalent; or departmental approval

Completes content of GER 2310 and GER 2320 in one semester.

Motivated students or those seeking a review of previous German study should make rapid progress in this course.

**GER 3301 German Conversation and Composition (3)**

Pre-requisite(s): GER 2320 or GER 2412 or appropriate score on departmental placement exam; or departmental approval

Further development of communication skills. Required of all German majors.

**GER 3302 German Reading Development (3)**

Pre-requisite(s): GER 2320 or GER 2412 or equivalent; or departmental approval

Development of German reading skills through grammar review and reading of selections from various areas of the arts and sciences.

**GER 3311 German Proficiency (3)**

Pre-requisite(s): GER 3301 or GER 3302 or equivalent; or departmental approval

Systematic review of high-frequency grammar structures, acquisition of new structures, and application of stylistics in a workshop format.

**GER 3341 Introduction to German Culture: Germany in the Making (3)**

The history and culture of the German-speaking area, from the Romans to the present day, concentrating on what will become the nation of Germany. Taught in English.

**GER 3343 Baylor in Germany: The Dresden Experience (3)**

Pre-requisite(s): GER 1302 or GER 1412, or departmental approval

Culturally-based course in the Baylor in Germany (Dresden) summer program. Emphasizes issues of German and American identities. May not be offered every summer.

**GER 3345 Introduction to German Film: German Culture from Berlin to Hollywood (3)**

German culture through German film including cinematic traditions of the Weimar Republic and prominent German directors who emigrated to the United States, Nazi film, post-war cinema in East and West Germany, and the international media context since German unification. Conducted in English.

**GER 3352 Modern German Short Prose (3)**

Pre-requisite(s): GER 3301 or GER 3302 or equivalent; or departmental approval

Emphasis on German short prose fiction of the twentieth century.



**GER 3353 German Drama (3)**

Pre-requisite(s): GER 3301 or GER 3302 or equivalent; or departmental approval

Emphasis on the drama of the nineteenth and twentieth centuries.

**GER 3354 German Poetry (3)**

Pre-requisite(s): GER 3301 or GER 3302 or equivalent; or departmental approval

Survey of the German lyric.

**GER 3355 Exploring the German Literary Tradition (3)**

Pre-requisite(s): GER 2320 or 2412 or departmental approval

The literary tradition of the German-speaking world from 1750 to the 20th century. May be organized around topics chosen by instructor.

**GER 3356 Kontext Deutschland (3)**

Pre-requisite(s): GER 2320 or GER 2412 or equivalent, or departmental approval

Social and political events and movements viewed through literature, creating a framework for understanding contemporary Germany and the Germans. Taught in German.

**GER 3361 Study Abroad: Advanced Language (3)**

Pre-requisite(s): GER 2320 or 2412 or permission from Division Director  
For students taking advanced German language during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 3363 Study Abroad: Special Topics in Literature (3)**

Pre-requisite(s): GER 2320 or 2412 or permission of Division Director  
For students studying topics in the literature of the German-speaking world during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 3365 Study Abroad: Special Topics in Culture Studies (3)**

Pre-requisite(s): GER 2320 or 2412 or permission of Division Director  
For students studying topics dealing with the cultural history of or modern life in the German-speaking world during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 3367 Study Abroad: Special Topics in Linguistics (3)**

Pre-requisite(s): GER 2320 or GER 2412 or permission of Division Director

For students studying topics in Linguistics pertaining to the German-speaking world, during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 3V70 Special Problems (1-3)**

Pre-requisite(s): Consent of division director

With content changed, this course may be repeated once for credit.

**GER 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**GER 4301 Survey of German Literature (3)**

Pre-requisite(s): GER 3302, or departmental approval

German literature from Old High German to Enlightenment.

**GER 4302 Survey of German Literature, continued (3)**

Pre-requisite(s): GER 3302, or departmental approval

German literature from Enlightenment to Poetic Realism.

**GER 4303 Survey of German Literature, continued (3)**

Pre-requisite(s): GER 3302, or departmental approval

Survey of German literature from Naturalism to the present.

**GER 4305 German Literature of the Classical Period (3)**

Pre-requisite(s): GER 3302, or departmental approval

Masterpieces of the late eighteenth and early nineteenth centuries with emphasis on Lessing, Schiller, and Goethe.

**GER 4306 Goethe's Faust (3)**

Pre-requisite(s): GER 3302, or departmental approval

Faust I and selected readings from Faust II.

**GER 4307 German Literature of the Nineteenth Century (3)**

Pre-requisite(s): GER 3302, or departmental approval

Emphasis on Romanticism.

**GER 4308 German Literature of the Nineteenth Century, continued (3)**

Pre-requisite(s): GER 3302, or departmental approval

Emphasis on Junges Deutschland and Realism.

**GER 4309 German Literature of the Twentieth Century (3)**

Pre-requisite(s): GER 3302, or departmental approval

Varied readings from modern German literature.

**GER 4315 Methods of Foreign Language Teaching (3)**

Cross-listed as FRE 4315, SPA 4315

See SPA 4315 for course information.

**GER 4320 Special Topics in German (3)**

Pre-requisite(s): GER 3301 and 3302; or consent of instructor

Special topics of study in the disciplines of German literature, German culture, and/or German linguistics not covered by regular course offerings. The course may be repeated four times when content differs.

**GER 4361 Study Abroad: Seminar in Language (3)**

Pre-requisite(s): One GER class at the 3000 level or permission of Division Director

For students taking a more advanced German language class during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 4363 Study Abroad: Seminar in Literature (3)**

Pre-requisite(s): One GER class at the 3000 level or permission of Division Director

For students taking a more advanced seminar in the literature of the German-speaking world during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 4365 Study Abroad: Seminar in Culture Studies (3)**

Pre-requisite(s): One GER class at the 3000 level or permission of Division Director

For students taking a more advanced seminar dealing with the cultural history of or modern life in the German-speaking world during a summer or semester study abroad program. May be repeated once for credit with different emphases.

**GER 4367 Study Abroad: Seminar in Linguistics (3)**

Pre-requisite(s): One GER class at the 3000 level or permission of Division Director

For students taking a more advanced seminar in Linguistics pertaining to the German-speaking world. May be repeated once for credit with different emphases.

**GER 4V90 Independent Study (1-3)**

Pre-requisite(s): Consent of division director

Independent study in German language and literature in consultation with a professor. Examination and term paper. With content changed, this course may be repeated once for credit.

**GER 4V9R Research (3)**



## Gerontology (GRT)

### **GRT 3305 Introduction to Gerontology (3)**

Cross-listed as SOC 3305, SWO 3305

See SOC 3305 for course information.

### **GRT 4393 Sociology of Aging (3)**

Cross-listed as SOC 4393, SWO 4393

See SWO 4393 for course information.

### **GRT 4395 Aging and Mental Health (3)**

Cross-listed as SOC 4395, SWO 4395

See SWO 4395 for course information.

## Global Engagement (GBL)

### **GBL 0301 Recitation (3)**

The recitation course is structured as language and study skill support for academic courses in which the students are enrolled. This course is a structured, scheduled academic environment providing the opportunity for students to complete assignments and work closely with their language instructor.

### **GBL 0310 Language in Context (3)**

Language in Context is an integrated-skills class that uses materials from literature, the internet, and articles on current issues for student reading, writing, presentation, vocabulary building, and discussion. Students will work with a variety of text types and activities that are similar to those used in university courses. In particular, students will be introduced to concepts in humanities and social sciences that may be new to them.

### **GBL 0315 Research Skills (3)**

Research Skills is an advanced-level course to guide students in the process of conducting undergraduate research at an American university. Students will learn and practice a variety of research and research-writing skills, including citation, documentation, quoting, and paraphrasing, and summarization. Students will also learn why research is needed, the different types of research they might conduct, and why documentation is so vital.

### **GBL 0329 U.S. Culture (3)**

US Culture offers students a means for analyzing and evaluating the complex social and moral issues that are specific to the landscape of the United States. As students examine their own cultures and compare them with others, culture shock and cultural conflict may be lessened and appreciation for cultural differences may be strengthened. Students will engage in interactive tasks, including researching and case analysis.

### **GBL 0337 Critical Thinking (3)**

The purpose of this course is to develop the critical thinking skills needed to interpret and assess arguments and information. This course will highlight the language skills essential for critically analyzing and discussing the quality of the information and opinions presented in authentic texts and listening selections. The course will concentrate on detecting errors of reasoning in short and long passages, and evaluating evidence.

### **GBL 0411 Reading I (4)**

The purpose of Reading I is to prepare students for the reading tasks they will face when taking academic classes. In this course students will learn and practice the skills necessary for comprehending academic texts. Readings of different types that cover different topics will be used to develop students' reading comprehension, speed, and vocabulary, as well as writing, listening, and speaking skills.

### **GBL 0412 Writing I (4)**

In this course students will learn and apply the writing skills essential for academic success including sentence, paragraph, and basic essay writing. This course is aimed at students planning to study, or are already studying, at university level in English. Course work will focus on planning and writing clear paragraphs and essays, as well as on improving sentence structure, vocabulary, and grammar in written work.

### **GBL 0413 Listening and Speaking I (4)**

This course provides short and focused activities to help students improve their English listening and speaking skills. It includes practice in understanding main ideas and key words, phrases and specific sounds to assist students in developing better speaking and comprehension skills. Students will learn and use new vocabulary, pronunciation, and conversation skills while giving academic presentations as well as speaking in small groups.

### **GBL 0414 Grammar I (4)**

Grammar I will focus on grammatical structures that enable students to better understand and use academic English. Students will learn and apply grammatical knowledge to express themselves confidently and appropriately in different academic situations, as well as social situations that they might experience while studying in the U.S. Students will learn and practice parts of speech, word forms, clauses, and sentence construction.

### **GBL 0421 Reading and Writing II (4)**

In this course, students develop and apply the reading skills essential for academic learning and inquiry, in the context of authentic academic reading tasks. Students will work to build fluency, comprehension, and vocabulary skills through extensive and intensive reading tasks of increasing complexity. This course will serve as preparation for college composition course and any writing intensive courses.

### **GBL 0423 Listening and Speaking II (4)**

In this course students will learn and apply the listening, note-taking, and presentation skills essential for academic learning, inquiry, and communication in the context of authentic academic listening and speaking tasks. Students will work to build fluency, comprehension, and vocabulary skills through extensive and intensive listening tasks of increasing complexity.

### **GBL 0424 Grammar II (4)**

This course will focus on high-intermediate grammatical structures that enable students to better comprehend and use academic English. Students will learn to appreciate the relevance of acquiring and applying grammatical knowledge to express themselves confidently and appropriately in different academic situations, as well as social situations relevant to the American college context.

### **GBL 0431 Reading and Writing III (4)**

Reading and Writing III is designed to help students read and write academic English and to facilitate development in these skills for success in future university studies. Students will be provided opportunities to analyze and express ideas in academic writings while reading and critiquing the work of others. Students will write essays to become familiar with aspects of conducting research and following APA and/or MLA guidelines.

### **GBL 0433 Listening and Speaking III (4)**

In this course students will learn and apply listening, note-taking, and presentation skills essential for academic learning, inquiry, and discourse in the context of authentic academic listening and speaking tasks. Students will work to build fluency, comprehension, and vocabulary skills through extensive and intensive listening tasks of increasing complexity. Students will listen to academic lectures, presentations, and discussions.

**GBL 1101 Developing Intercultural Competence (1)**

This course is designed to help prepare students for study abroad or international Missions trips by developing knowledge of the destination to be visited along with cultural skills, attitudes and behaviors that will allow for more meaningful engagement while abroad.

**GBL 1102 Intercultural Competence Abroad (1)**

This course is designed to help you engage with your host culture while abroad, and at the same time learn more about yourself and your own cultural values.

**GBL 1103 Reentry From Study Abroad (1)**

This course is designed to help students with reentry into American culture and Baylor University specifically following study abroad or international mission experience. Students will identify and deepen cross-cultural learning gained through study abroad or missions, and apply that knowledge going forward.

**GBL 1105 Developing Strategic Skills for Global Gateway Students (1)**

Developing Strategic Skills for Global Gateway Students introduces new students in the Global Gateway Program to Baylor University, U.S. Higher Education, and study skills that will lead to academic and personal success.

**GBL 1205 Transition to the U.S. University II (2)**

Transition to the U.S. University System II focuses on the study and life skills necessary to be successful in an American university setting. This 2 credit course introduces IY2 GGP students to Baylor campus resources and norms.

**GBL 1305 Transition to the U.S. University System for Global Gateway Students (3)**

This course focuses on the study and life skills necessary for success in the American university setting, while also developing academic English language skills.

**GBL 1311 Perspectives on Global Culture (3)**

This class is about understanding the power of culture and its impact on communicating with others. This is an important part of being an effective professional in the modern world, and is also part of being a better human being. To hone one's cultural communication skills one must understand his or her own cultural worldview. For this reason, the class includes an ample amount of self-reflection, and requires learners to be open to understanding both themselves, as well as others, in new ways. This has the potential to be an enlightening experience – especially as students interact with, and learn from, students from other cultures.

**GBL 3331 Introduction to Applied Data Analytics (3)**

Teaches applied job skills in close connection to the concepts and theories that drive software development. Students will work on real-world cases featuring international organizations, then will learn to solve the problems from a technical approach. Topics include, applications of statistics, data visualization tools in Excel, linear regression, time-series, classification algorithms, and bias in data.

**GBL 3332 Data Visualization with Tableau (3)**

Pre-requisite(s): GBL 3331

This course, which is Part 2 of the Global Data Bootcamp, is designed to teach the skills, concepts, and theories relevant to data visualization and its applications. Students learn theoretical fundamentals and design principles of data-based visualizations, how to spot misleading and untruthful visualizations, and how to use Tableau, a leading data visualization software.

**GBL 3335 Introduction to Responsive Web Design with HTML, CSS, and Bootstrap (3)**

This course is designed to teach students first how to holistically understand the user experience in order to inform responsive web design. Then, students will learn HTML, CSS and application of frameworks to build both beautiful and effective websites.

**GBL 3336 Web Development with JavaScript and APIs (3)**

Pre-requisite(s): GBL 3335

This course is designed to teach students how to holistically understand the user experience in order to inform responsive web design. Students will learn HTML, CSS and application of frameworks to build both beautiful and effective websites. The course teaches students applied job skills in close connection to the concepts and theories that drive software development. Each module will focus on a primary theme.

## Great Texts (GTX)

**GTX 1301 Introduction to Great Texts (3)**

This interdisciplinary seminar introduces first-year students to the study of Great Texts, focused on a topic of the instructor's choosing. Studies center on texts from multiple genres, ranging from ancient to modern times, and may include texts from the fine arts or performing arts when appropriate. Possible topics could include, for example, narrating happiness, the quests of heroes and martyrs, modes of love and suffering, images of death and dying, stories of gods and God.

**GTX 2301 Intellectual Traditions of the Ancient World : Literature and Thought (3)**

Interdisciplinary close reading and discussion of ancient literary texts that establish historic contexts for deliberation regarding society, ethics, knowledge, and imaginative enjoyment.

**GTX 2302 Medieval Intellectual Traditions: Literature and Thought in Context (3)**

Interdisciplinary close reading and discussion of major literary texts in relation to social, philosophical, and theological contexts of historic development in Western cultures from the medieval to the early modern period.

**GTX 3320 Middle Ages (3)**

Pre-requisite(s): Upper-level standing

An undergraduate seminar in the Great Texts of the Middle Ages. Students will read selections from Anselm, Bonaventure, Roger Bacon, Thomas Aquinas, Dante, Moses Maimonides, Julian of Norwich, Chaucer, and others.

**GTX 3321 Early Modern Age (3)**

Pre-requisite(s): Upper-level standing

An undergraduate seminar in the Great Texts of the Renaissance, the Reformation, and the early modern age. Students will read selections from Machiavelli, Erasmus, the Protestant reformers and Catholic counter reformation, Montaigne, Cervantes, Shakespeare, Bacon, Donne, Milton, Hobbes, Locke, Vico, and others.

**GTX 3330 Great Texts by Women (3)**

An undergraduate course in seminal texts written or narrated by women of various epochs. Readings may include Sappho, Ban Zhao, Scheherezade, Christine de Pizan, Julian of Norwich, Margery Kempe, Mary Wollstonecraft, Mary Shelley, Jane Austen, Elizabeth Barrett Browning, George Eliot, Kate Chopin, Virginia Woolf, Gertrude Stein, Simone de Beauvoir, Simone Weil, Iris Murdoch, Toni Morrison, and others.

**GTX 3331 Great Texts in Christian Spirituality (3)**

An undergraduate seminar in the great texts of Christian spirituality and devotional literature. Readings may include texts by Origen, Augustine, Athanasius, Maximus Confessor, Richard of St. Victor, Catherine of Siena, Julian of Norwich, Thomas à Kempis, Luther, Traherne, Law, Bunyan, John and Charles Wesley, Kierkegaard, Sayers, Day, Lewis, Chesterton, and others.

**GTX 3332 Black Intellectual Traditions (3)**

Pre-requisite(s): Upper-level standing

Seminar featuring Americans such as Sojourner Truth, DuBois, Ellison, Hansberry, Baldwin and Morrison, plus non-Americans such as Walcott and Mandela. Discussion of how these authors address questions about basic human goods, frequently under conditions of enslavement, oppression, poverty and the abuse of authority. Reflection on new forms of artistic beauty and literary excellence emerging from these conditions.

**GTX 3340 Master Works in Art (3)**

Pre-requisite(s): Upper-level standing

Survey and analysis of master works of art, including painting, sculpture, architecture, and photography, in their relationship to the six eras of the Great Texts Seminar Sequence.

**GTX 3341 Master Works in Drama (3)**

Cross-listed as THEA 3341

Pre-requisite(s): Upper-level standing

Survey and analysis of a selection of the most important dramatic works of the Western intellectual tradition.

**GTX 3343 Great Texts in the Origins of Science (3)**

Pre-requisite(s): Upper-level standing

An historical overview of the significant developments in the science of the ancient and medieval periods. Students will read selections from Euclid, Archimedes, Pythagorus, Copernicus, Galileo, and others.

**GTX 3350 Great Texts in Leadership (3)**

An undergraduate seminar devoted to an examination of leaders and the virtues of leadership as found in the Great Texts. Students will read selections from the Bible, Aristotle, Cicero, Plutarch, St. Thomas Aquinas, Pascal, Machiavelli, Dickens, Hardy, Bernanos, Conrad, O'Connor, and others.

**GTX 3351 Great Texts in Business (3)**

An undergraduate seminar devoted to an examination of business, management, and entrepreneurship as presented through some of the great texts of the Western and Eastern traditions.

**GTX 3360 Great Texts in the Principles of the Liberal Arts (3)**

Pre-requisite(s): GTX 2301 or 2302 Interdisciplinary study of major works on the conceptual relationships among the traditional arts of grammar, dialectic, and/or rhetoric

Readings may extend from antiquity to the present, tracing connections among these disciplines in ways that are not usually contained within the customary modern treatment of a single liberal art.

**GTX 3361 Great Texts in the Practice of the Liberal Arts (3)**

Pre-requisite(s): GTX 2301 or 2302 Detailed study of specific liberal arts within particular traditions of practice (involving some combination of grammar, dialectic, and/or rhetoric)

Readings focus on a selection of major texts or direct instruction in a liberal arts tradition that may range from antiquity to the present, considering how these works address perennial questions of human formation that are debated among Great Texts.

**GTX 4320 Eighteenth and Nineteenth Centuries (3)**

Pre-requisite(s): Upper-level standing

An undergraduate seminar in the Great Texts of the eighteenth and nineteenth centuries. Students will read selections from Wollstonecraft, Rousseau, Declaration of Independence, The Constitution, de Tocqueville, Goethe, Austen, Wordsworth, Coleridge, Kierkegaard, Melville, Whitman, Darwin, Stowe, Newman, Mary Shelley, Frederick Douglass, Twain, Nietzsche, and others.

**GTX 4321 Twentieth Century (3)**

Pre-requisite(s): Upper-level standing

An undergraduate seminar in the Great Texts of the twentieth century. Students will read selections from Yeats, William James, Weber, Freud, Barth, Woolf, Beckett, Faulkner, O'Connor, Lewis, Eliot, Wiesel, Frost, Camus, Solzhenitsyn, Hemingway, Arendt, King, and others.

**GTX 4330 Dante and the Italian Renaissance (3)**

Pre-requisite(s): Upper-level standing

An undergraduate seminar focusing on the work of Dante Alighieri, especially The Divine Comedy. Other writers and artists such as Petrarch, Boccaccio, Catherine of Siena, Brunetti, Ariosto, and Machiavelli may be read. Students will read texts in translation but with frequent reference to the Italian.

**GTX 4331 Augustine and Aquinas (3)**

Pre-requisite(s): Upper-level standing

An undergraduate seminar in the central texts of two of the chief authors of the Western Christian tradition, Augustine and Aquinas. Attention may be paid to predecessors such as Plato, Aristotle, Virgil, or Cicero, as well as to the influence of Augustine and Aquinas upon other thinkers such as Dante, Petrarch, Machiavelli, Descartes, Nietzsche, Joyce, Eliot, and O'Connor. Attention may also be paid to the influence of Augustine upon Aquinas.

**GTX 4332 Master Works in Theology (3)**

Pre-requisite(s): Upper-level standing

An undergraduate seminar devoted to the study of seminal works in theology, in connection with one or more historical periods, ranging from antiquity to the present. Emphasis will be placed on theological interactions with the literature, philosophy, social science, and/or artistic expression in these eras.

**GTX 4340 Master Works in Music (3)**

Pre-requisite(s): Upper-level standing

Survey and analysis of seminal landmarks of music in their relationship to the six eras of the Great Texts Seminar Sequence.

**GTX 4341 Great Texts in Modern Science (3)**

Pre-requisite(s): Upper-level standing

An historical overview of the history and development of the natural and social sciences from the Enlightenment to the present. Students will concentrate on the Great Texts of science from Bacon, Vico, Newton, Lavoisier, Darwin, Einstein, Heisenberg, Kuhn, and others.

**GTX 4343 Great Texts Capstone Course (3)**

Pre-requisite(s): Senior standing and Great Text major

An undergraduate senior seminar culminating in a research project which draws upon the works and texts of the Great Texts curriculum. Students will present and defend their senior projects before student colleagues and a faculty panel.

**GTX 4351 Confession and Autobiography (3)**

Pre-requisite(s): Upper-level standing

An undergraduate seminar devoted to the genre of confession and autobiography, with a focus on texts that address questions about the kinds of communities, activities and virtues that cultivate true human flourishing. Students will read selections from Augustine, Teresa of Avila, Rousseau, Tolstoy, Henry Adams, John Henry Newman, Dorothy Day, Malcolm X, Will Campbell, Nelson Mandela, Wendell Berry and others.

**GTX 4360 Internship in the Liberal Arts (3)**

Pre-requisite(s): GTX 3360 or 3361 Draw from the liberal arts tradition to practice the skills required to introduce others to the interdisciplinary study of Great Texts

Combines readings with observation and practical experience to improve instruction through apprenticeship.

**GTX 4371 Epic and Romance in the High Middle Ages (3)**

Pre-requisite(s): Consent of instructor

Explores epic and romance texts from France and England in their native vernaculars. Reading competence in Latin (classical or medieval), French (old or modern), or Middle English required.

**GTX 4V99 Special Topics in Great Texts (1-3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Research projects to be undertaken by students or by classes under the direct supervision of the professor. Course may be repeated twice with a different topic of study.

## Greek (GRK)

**GRK 1301 Elementary Greek I (3)**

The basic elements of Classical and Koine Greek and culture, emphasizing both Classical and New Testament authors.

**GRK 1302 Elementary Greek II (3)**

Pre-requisite(s): GRK 1301 or departmental placement  
Continuation of GRK 1301.

**GRK 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**GRK 2310 Intermediate Greek Prose (3)**

Pre-requisite(s): GRK 1302 or departmental placement  
Attic prose readings and selections from the New Testament, with review of inflection and syntax and discussion of the relationship between Classical and Christian texts.

**GRK 2320 Intermediate Greek Poetry (3)**

Pre-requisite(s): GRK 1302 or departmental placement  
Readings in Homer's *Odyssey* with continued emphasis on Greek inflection and syntax and on the interpretive relationship between Classical and Christian texts.

**GRK 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**GRK 3302 Greek Historians (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
The principles of Greek historiography emphasizing Herodotus, Thucydides, and other Greek historians.

**GRK 3303 Greek Tragedy (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Greek drama, emphasizing Aeschylus, Sophocles, and Euripides.

**GRK 3305 Classical Rhetoric and the Christian Tradition (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selections from Plato, Aristotle, Lysias, Demosthenes, and the Church Fathers which reflect the principles of classical rhetoric and its importance to the theology and preaching of the early church. Attention will also be given to modern homiletics.

**GRK 3306 Alexander the Great (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Readings on the life and times of Alexander the Great.

**GRK 3307 Sicilian Narratives (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Readings in ancient Greek associated with the island of Sicily. Readings will come from authors such as Homer, Euripides, or Thucydides.

**GRK 3311 Greek Epigraphy (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Epigraphical documents generally comprise those texts incised in durable material—stone, bronze, lead, et cetera. This seminar examines both the contents of those epigraphical documents that survive from Antiquity and the contexts within which they were created. As such, it serves as a general introduction to epigraphical sources and methods, as well as to the ways in which epigraphical information can be used to study ancient society. By offering for study diverse epigraphical examples from various periods of Antiquity, the course will introduce basic bibliography, major collections of documents, research and field methodology (including the study of inscriptions in museums and archaeological sites in mainland Italy and Sicily), and the use of electronic resources available for epigraphical studies.

**GRK 3351 The Epistles (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
The letter-form, a genre common in Greek and Roman literature and the dominant structural form of the New Testament, as exemplified in the Pauline and General Epistles.

**GRK 3352 Hellenistic Greek (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Literature of the Hellenistic period (323 - 31 BC) with additional attention on New Testament backgrounds, in particular Philo and Josephus.

**GRK 3354 Apocalyptic Literature (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Apocalyptic literature of the New Testament, including selections from the Gospels, Jude, the Epistles of Peter, the Shepherd of Hermas and the Revelation of John.

**GRK 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**GRK 4301 Readings from Greek Literature (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Readings from Greek authors including either Classical authors or portions of the New Testament, and related background texts. With content changed, this course may be repeated up to a total of nine semester hours.

**GRK 4302 Greek Lyric Poetry (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Readings may include selections from Archilochus, Sappho, Alcaeus, Stesichorus, Anacreon, Simonides, and others.



**GRK 4303 Homer's Iliad (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Readings from the Iliad with emphasis on the characteristics of the archaic oral tradition, as the foundation of Greek literature.

**GRK 4304 Greek Comedy (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selected plays of Aristophanes and Menander, emphasizing the style and structure of Greek comedy, and its importance in Greek society for understanding of the comic tradition.

**GRK 4305 Plato: Selected Writings (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selected readings in Greek from the writings of Plato. With content changed, this course may be repeated up to a total of six semester hours.

**GRK 4306 Aristotle: Selected Writings (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selected readings in Greek from the writings of Aristotle. With content changed, this course may be repeated up to a total of six semester hours.

**GRK 4307 Readings in Attic Oratory (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selections from representative Greek orators, such as Antiphon, Andocides, Lysias, Isocrates and Isaeus.

**GRK 4308 Greek Prose Composition (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Translation of English text into classical Greek.

**GRK 4309 The Gods of the Greeks (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor; and upper-level standing  
Selected readings in Greek from writings (e.g., Hesiod's Theogony and the Homeric Hymns) dealing with the gods of the Greeks.

**GRK 4310 Stoics/Epicureans Reading the Ancient Sources (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selected readings in Greek dealing with the Stoic and Epicurean philosophers and their respective philosophical systems.

**GRK 4351 The Gospels and New Testament Criticism (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Readings in the Gospels emphasizing the history of New Testament criticism and interpretation. Attention will also be given to the writings of the Church Fathers, as well as to recent methodologies.

**GRK 4352 The Septuagint (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
The Septuagint as an example of the interaction between the Hebrew, Greek, and Roman worlds.

**GRK 4353 Lives of the Early Christian Saints (3)**

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor  
Selected readings in Greek about the lives of the saints of the early church.

**GRK 4V01 Readings from Greek Literature (1-3)**

Pre-requisite(s): GRK 2310 2320 and consent of the instructor  
Greek authors selected to meet the needs of the student. With content changed, this course may be repeated up to a total of nine semester hours.

**GRK 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Health Education (HED)

**HED 1350 Dimensions of Health Science Studies (3)**

Pre-requisite(s): Health Sciences Studies major only  
This course, mandatory for all Health Science Studies majors, presents essential introductory information to prepare the student for success in determining a field of study and pursuing a healthcare career including knowledge of the healthcare environment, qualifications for pursuing specific fields, professionalism expectations, the importance of communications, cultural competence in healthcare, the use of professional literature, and the basics of healthcare ethics.

**HED 3300 Clinical Skills Training and Assessment (3)**

Pre-requisite(s): Students must have upper-level standing and be a Health Science Studies major  
Students from other majors will require consent of the instructor. Introduces the concepts and techniques of performing a multi-system physical assessment, collecting a patient history, and documenting subjective history and objective findings.

**HED 3311 Essentials of Ethics in Healthcare (3)**

Cross-listed as HP 3311  
See HP 3311 for course information.

**HED 3V50 Clinical Research Collaboration (1-3)**

Pre-requisite(s): Instructor approval  
The purpose of this course is to allow undergraduate Health Science Studies students the opportunity to work with a clinical research professional and participate in the clinical research process.

**HED 4305 A Biblical Theology of Suffering for Health Care Providers (3)**

Pre-requisite(s): Upper level standing; REL 1310 and REL 1350  
A study of the biblical meanings and purposes of suffering with theological reflections and application to those served by health care professionals with consideration to disability-related ministries.

**HED 4V80 Professional Internship in Health (1-6)**

Pre-requisite(s): Junior standing, must be approved by the Health Science Studies Program Director, HHPR Internship Director and Center for Global Engagement  
Designed to provide students with planned experiences with professionals in various health, allied health and/or community health settings including public, private, and health agencies.

## Hebrew (HEB)

**HEB 1301 Introductory Hebrew I (3)**

An introduction to the orthography, morphology, and syntax of Biblical Hebrew.

**HEB 1302 Introductory Hebrew II (3)**

Pre-requisite(s): HEB 1301  
Continuation of HEB 1301.

**HEB 2310 Intermediate Hebrew I (3)**

Pre-requisite(s): HEB 1302 or its equivalent  
Selected readings in the historic prose of the Old Testament with Hebrew composition.

**HEB 2320 Intermediate Hebrew II (3)**

Pre-requisite(s): HEB 2310 or its equivalent  
Selected readings in the Prophets, Psalter, and Wisdom literature of the Old Testament.



# History (HIS)

## **HIS 1300 The United States in Global Perspective (3)**

Introduction to history, historical thinking and the history of the United States within a global context, examining the ways a distinct American society developed within larger patterns of world history. Themes will vary by instructor but may include democracy, freedom and equality; global conflict; imperialism; industrialization and economic systems; migration and immigration; nationalism; and revolution.

## **HIS 1305 World History to 1500 (3)**

Principal civilizations of Asia, Africa, Europe, and the Americas from prehistory to about 1500 A.D., focusing on religious ideas, patterns of economic and cultural development, and artistic and literary achievements of these civilizations, as well as their influences on one another.

## **HIS 1307 World History since 1500 (3)**

History of major world civilizations and the growth of the modern global community as well as the spread of ideologies and cultures.

## **HIS 1365 United States History to 1877 (3)**

A chronological, thematic, and analytical study of the political, economic, social, cultural, and diplomatic history of the United States from colonial origins and early nationhood through the era of Reconstruction.

## **HIS 1366 United States History since 1877 (3)**

A chronological, thematic, and analytical study of the political, economic, social, cultural, and diplomatic history of the United States from the end of Reconstruction to the present.

## **HIS 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## **HIS 2370 History of Warfare (3)**

Military conflicts and practices throughout history and around the world with emphasis on broad strategy and tactics.

## **HIS 2380 Introduction to Slavic and East European Studies I (3)**

Cross-listed as SEES 2380

See SEES 2380 for course information.

## **HIS 2381 Introduction to Slavic and East European Studies (3)**

Cross-listed as SEES 2381

See SEES 2381 for course information.

## **HIS 2385 Introduction to East Asia (3)**

Introduction to the history of East Asia from ancient times through today. Examines the interrelated histories of Korea, Japan, and China and their relationships with the wider world, including trade and cultural exchanges, reform and revolution, war, colonialism, Cold War geopolitics, and globalization.

## **HIS 2390 Introduction to Women's and Gender History (3)**

Central debates in Women's and Gender History from European, American, and global perspectives. Provides theoretical background and analytical skills for advanced coursework.

## **HIS 2395 History Workshop (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Historical thought and historiographical practice in the West from their emergence in the classical world to the present.

## **HIS 2V89 Introduction to Model Organization of American States (1-3)**

Course prepares students for first-time participation in a Model Organization of American States simulation. Stresses historical and contemporary hemispheric issues. May be repeated for a total of six credit hours under different topics.

## **HIS 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## **HIS 3300 Methods of Oral and Public History (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor

Introduction to the diverse settings in which historians work, including historic preservation, heritage tourism, community history, documentary work, museums, historical societies, historical editing, government, and business, and the various approaches they utilize. Also familiarizes students with oral history theory and practice.

## **HIS 3301 Internship in History (3)**

Pre-requisite(s): HIS 3300

Internship at an institution or program engaged in public history. Applies themes, ideas, and issues covered in HIS 3300.

## **HIS 3305 Traditional China (3)**

Cross-listed as AST 3305

Pre-requisite(s): Six semester hours of history or consent of instructor

A survey of Chinese history from its origins to 1700. Treatment of artistic, cultural, economic, literary, political, social and religious developments in China that have shaped East Asian civilizations.

## **HIS 3306 Women and Gender in Chinese History (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor

Explores the history of women and gender in Modern China and the impact on that experience by factors such as class, ethnicity, and geography.

## **HIS 3307 Japan (3)**

Cross-listed as AST 3307

Pre-requisite(s): Six semester hours of history or consent of instructor

A survey of the internal and external forces which have affected the development of Japanese civilization from ancient times to the twentieth century. Emphasis upon political, economic, and cultural developments which have shaped modern Japan.

## **HIS 3308 Hitler and the Holocaust (3)**

Cross-listed as REL 3348

Pre-requisite(s): Six semester hours of history or consent of the instructor

The rise of Adolf Hitler and the policies of war and extermination he pursued before and during World War II, as well as the suffering, complicity and responses of Jews and Christians within and after the Holocaust

## **HIS 3310 The Middle East (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor

A survey of Islamic civilization, especially under the Umayyad, Abbasid, and Ottoman empires; analysis of contemporary national, regional, and international problems with attention to the historical-geographical and political-geographical elements.

## **HIS 3311 Middle East History 600 - 1798 (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor

Survey of Middle East history from the rise of Islam to Napoleon's invasion of Egypt in 1798.

**HIS 3314 Global Maritime History (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Exploration of maritime history from a global perspective, including interactions of economics, societies, militaries, transport, and technology with the maritime environment.

**HIS 3315 History of West Africa (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Introduction to West African history, culture, customs, and societies from the earliest times to 1975.

**HIS 3318 History of Modern Africa (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
History of Africa since the early nineteenth century and analysis of contemporary African issues in a wider historical context.

**HIS 3319 Women and Gender in Modern Africa (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
The social, political, economic, religious, and cultural experiences of women living in Africa from the pre-colonial era to today.

**HIS 3320 History of Childhood (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Global history of childhood from prehistory to the present, with an emphasis on the emergence of the modern concept of childhood.

**HIS 3322 Greek History and Civilization (3)**

Cross-listed as CLA 3302

See CLA 3302 for course information.

**HIS 3323 Hellenistic History and Civilization (3)**

Cross-listed as CLA 3303

See CLA 3303 for course information.

**HIS 3324 Roman History and Civilization (3)**

Cross-listed as CLA 3301

History and culture of the ancient Romans from the founding of the city through the reign of Constantine ending in A.D. 337 with attention to literature, religion, political institutions, social issues, philosophy, and art.

**HIS 3325 The British Empire (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
The British Empire from its rise to decolonization.

**HIS 3332 Modern India (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of the philosophic, literary, religious, social, economic, and political history of India from the 18th century until today. Covers constituent elements that serve as the foundation for not only India, but for modern South Asia. Establishes a framework of critical analysis for issues of both historical and contemporary importance such as national identity, economic development, gender issues, and environmental sustainability.

**HIS 3333 Festivals of Renaissance Europe (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
Examines festivals, spectacles, celebrations, rituals, and ceremonies of Renaissance Europe, revealing their roles in forging social identities, demonstrating power, and expressing emotion.

**HIS 3339 Byzantine History and Civilization (3)**

Cross-listed as CLA 3304

See CLA 3304 for course information.

**HIS 3340 Russia to 1861 (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A study of the historical, social, cultural, and intellectual currents of Russia.

**HIS 3342 Russia since 1861 (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A study of society, literature, history, and politics of the Russian Empire, the Soviet Union, and present post-communist Russia.

**HIS 3344 History of Modern Germany (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of the political, cultural, and economic development of German-speaking Central Europe since the eighteenth century.

**HIS 3353 Pre-Columbian and Colonial Latin America (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of pre-Columbian civilizations in the Americas and an examination of Spanish and Portuguese colonies. Emphasis will be given to Meso-American and Andean civilizations, the creation of colonial society, and the forces leading to the end of political colonialism in Latin America.

**HIS 3355 Modern Latin America (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of the evolution of Latin American countries since Independence. Emphasis will be placed on economic and social factors influencing national development and contemporary issues such as narcoterrorism, the debt crisis, liberation theology, the rights of indigenous peoples, the ecology, and hyper-urbanization.

**HIS 3360 History of the American Presidency (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of the presidency and the presidents. Subjects include backgrounds, parties and elections, ratings of presidents, selected case studies, and the vice presidency.

**HIS 3362 History of Religion in America (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of religion from the period of discovery to the present with emphasis on the diversity of American religion, the origin and development of major denominations, and the interaction of religion and society.

**HIS 3370 Slavery in Film (3)**

Examines the history of slavery in the United States and how that history has been portrayed in feature films, television series, and documentaries in the twentieth and twenty-first centuries.

**HIS 3371 History of Black Americans (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
A survey of the history of black Americans from their African origins to the present. Emphasis will be given to the economic, social, and political impact of the presence of black people in the American colonies and the United States; attention will be given to the institution of slavery, the emancipation movement, the rise of segregation, black nationalism, and the ideologies and personalities of the civil rights movement.

**HIS 3380 History of Texas (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor  
The political, economic, and social history of Texas in its regional setting in the American Southwest from the period of colonization to the present.

**HIS 3384 History of Indigenous Peoples of America (3)**

A history of indigenous peoples in the Americas, focusing on the area known now as the continental United States.

**HIS 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**HIS 4300 History of Medicine (3)**

Cross-listed as MH 4300, PHI 4300  
See MH 4300 for course information.

**HIS 4305 Modern China (3)**

Cross-listed as AST 4305

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A history of China from 1700 to the present that considers cultural, economic, literary, political, social, and religious developments. Emphasis will be given to the late imperial state, the Chinese heritage, decline, conflict with the West, revolution, and modernization.

**HIS 4312 Modern Middle East History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Political, religious, intellectual and social transformations in the Middle East during the nineteenth and twentieth centuries.

**HIS 4313 War and Peace in the Middle East (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The interaction of policy, military force, and society in the waging of war and the quest for peace and security in the Middle East.

**HIS 4316 The African Diaspora (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The history of peoples of African descent in the Diaspora worldwide.

**HIS 4325 The Vikings (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Focuses on Viking life, culture, trade, and migrations from AD 790 to 1100. Includes methods and applications of interdisciplinary research, particularly emphasizing the potential of archaeology to make contributions to historical studies.

**HIS 4326 Early Medieval Europe, c. 300-1000 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor; and upper-level standing  
Emergence of medieval civilization through the blending of Roman, Christian, and Germanic institutions, customs, and beliefs.

**HIS 4327 High Middle Ages, c. 1000-1450 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A study of the flowering of medieval civilization, with emphasis on the medieval church and the origins of the modern state.

**HIS 4328 Medieval Britain (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor; and upper-level standing  
Medieval British history, emphasizing the development of parliament and the common law; the medieval church in the British Isles; the social impact of warfare; the demographic impact of famine and plague in England and Britain.

**HIS 4329 The Renaissance and Reformation (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The political, economic, intellectual, artistic, and religious upheavals in Europe from the thirteenth through the sixteenth centuries and the resulting social, political, religious, and cultural changes.

**HIS 4330 Medieval Mediterranean World (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor; and upper-level standing  
The Medieval Mediterranean as a global region, highlighting the various connections and cultural hybridities that linked peoples of Europe, Africa, and "Asia" (now called the Middle East).

**HIS 4331 European Expansion, 1400-1800 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The development and maintenance of permanent contacts by Europeans with other peoples and cultures around the world between the late Middle Ages and the turn of the 19th century.

**HIS 4332 Early Modern Europe (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A history of Europe from the age of absolutism to the enlightenment. Emphasis will be upon the major political, economic, social, cultural, scientific, and intellectual developments of the seventeenth and eighteenth centuries.

**HIS 4333 French Revolution and Napoleon (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Background and history of the French Revolution; relatively brief consideration of the effects of the Revolution and Napoleon upon Europe.

**HIS 4334 A History of Women in Europe to 1200 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
From ancient Greece to the early medieval world, this course examines the status and roles of women in European society—the ideas, customs, and laws that affected the lives of women as well as the roles that women performed. We also explore how women both contributed to European culture and society and were prevented from realizing their full potential.

**HIS 4335 A History of Women in Europe since 1200 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A study of the status and roles of women in European society from the Crusades through World War I.

**HIS 4336 Europe since World War I (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Problems of peace making and international organization; rise of Fascism and Communism; background and history of World War II.

**HIS 4337 Europe from 1815 to 1914 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Political, social, and economic development of the European nations from the Congress of Vienna to the outbreak of the First World War; the rise of liberalism and growth of nationalism; imperialism and the development of international rivalry.

**HIS 4338 Cultural and Intellectual History of Europe through the Seventeenth Century (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
History of ideas and their social and economic background from Classical Greece through the Baroque period. Course includes Greek and Roman philosophy, Early Christianity and Scholasticism, the Renaissance, the Reformation, the Scientific Revolution, and the idea of a mechanistic universe. Considerable emphasis on literature; some attention to art and music.

**HIS 4339 Cultural and Intellectual History of Modern Europe (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
History of ideas and their social and economic background from the Enlightenment to the present. Course includes study of Enlightenment philosophy (Reason, Nature, God, and Man), Romanticism, Democratic theory and Marxism, Idealism, Darwinism, Fascism, and Existentialism. Considerable emphasis on literature; some attention to art and music.

**HIS 4340 Special Topics in History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Study in a specialized area of history not covered by regular course offerings. May be repeated once for credit provided topic is different.

**HIS 4341 Tudor-Stuart Britain (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor; and upper-level standing

The history of Britain under the Tudor and Stuart dynasties.

**HIS 4343 France since 1815 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Major topics in French history from Waterloo to the present day, including the Bourbon Restoration, the revolutions of 1830 and 1848, the Second Empire, republicanism, colonialism, the world wars, and Gaullism.

**HIS 4345 Britain in the Nineteenth Century (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor; and upper-level standing

The political, social, and economic history of Britain from the end of the Napoleonic War to the beginning of the First World War.

**HIS 4346 Britain in the Twentieth Century (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor; and upper-level standing

The political, social, and economic history of Britain from the beginning of the First World War to the end of the first Blair government.

**HIS 4348 Reading Course in European History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A tutorial course for undergraduates with intensive study of a given period or topic in European history. The nature and precise limits of the study will be established after consultation between professor and student. No student may take more than one history reading course in a given semester. A maximum of six semester hours of reading courses may apply toward a history major.

**HIS 4350 The History of Gender in Latin America (3)**

Cross-listed as LAS 4351

Pre-requisite(s): Prerequisite(s): Nine semester hours of history or consent of instructor; and upper-level standing

The history of the construction of gender and gender relations from pre-Columbian societies to contemporary Latin America. Special emphasis will be given to the creation of archetypes and the contrast between legal codes and realities across time, race, class and regional divides.

**HIS 4354 Religion and War in U.S. History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The dynamic relationship between religion and war throughout American history. Coverage stresses, but extends beyond, the Christian faith and traditions.

**HIS 4357 Inter-American Relations (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A history of the evolution of Inter-American relations from colonization to the contemporary development of regional economic blocs. Topics will include relations among the American colonies, efforts at unification after independence, the expanding role of the United States in hemispheric relations and the Latin-American reaction, and the evolution of regionalism in the hemisphere.

**HIS 4358 Reading Course in Global History (3)**

Pre-requisite(s): Nine semester hours of history or the consent of instructor

A tutorial course for undergraduates with intensive study of a given period or topic in Global history. The nature and precise limits of the study will be established after consultation between professor and student. May be repeated once with a change of contents for a total of six credit hours.

**HIS 4362 American Colonial History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The settlement, growth, and development of Anglo-American colonies in North America.

**HIS 4363 American Revolution and Constitution (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The creation of an American nation out of thirteen colonies. Topics include the social, economic, political, and ideological roots of the colonists' resistance to imperial power, the decisions for revolution and independence, the fighting of the Revolutionary War, the rise and fall of the Confederation, and the drafting and ratification of the Constitution.

**HIS 4365 The Early Republic, 1789-1860 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
An overview of the challenges related to creating the new nation of the United States including political, diplomatic, social, economic, and cultural issues and controversies.

**HIS 4366 American Legal History to 1877 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A survey of legal and constitutional documents, ideas, cases, and debates, in American history from the colonial era to 1877.

**HIS 4368 Civil War and Reconstruction (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Causes, military operations, and aftermath of the American Civil War.

**HIS 4369 Religion in America, 1877-Present (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Religion in America from the end of Reconstruction to the present. Special attention devoted to religion's intersection with culture and politics and to the growth of religious pluralism in America.

**HIS 4371 United States, 1877-1920 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Major economic, social, and political developments in the United States within the prescribed chronological limits, with secondary emphasis on the rise of the United States as a world power and its involvement in World War I. Primary emphasis given to industrialization, the farmer revolt, the Progressive Movement, and the ramifications of these events in politics and society.

**HIS 4374 United States since 1920 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Continuation of HIS 4371 with emphasis on the post-Progressive decade, the Great Depression, the New Deal, and domestic developments since the New Deal. Of secondary emphasis is the coming of World War II and the consequent rise and development of the Cold War.

**HIS 4375 The American Civil Rights Movement (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The origins, major events, and legacy of the struggle to gain full equality for African Americans in the century following the American Civil War. Emphasis on the philosophies and strategies employed to realize full citizenship rights for blacks, individual and institutional leadership, the participation of women, the role of religion, and the impact of this social justice movement on the South, the United States, and the world. (Graduate students may not receive credit for both HIS 4375 and HIS 5375.)

**HIS 4377 History of the American Woman, 1600-1865 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Women's history in America from the colonial period to the end of the Civil War, emphasizing the changing roles of women and their contribution to and participation in American society.



**HIS 4378 History of the American Woman Since 1865 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A social, political, and economic survey of women in the United States from the end of the Civil War to the present, emphasizing the women's movement and its influence on American society.

**HIS 4379 The Cold War (3)**

Cross-listed as SEES 4379

Pre-requisite(s): Nine semester hours of history or consent of instructor  
History of global conflict between the United States and the Soviet Union from 1941 to 1991 including cultural, social, economic, political, and religious aspects.

**HIS 4380 The American West (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The frontier in American history from early colonial times to the end of the nineteenth century, with emphasis on the significance of the frontier in American history and historiography.

**HIS 4383 History of the South (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Southern culture with three topics in the ante-bellum period and three topics in the post-bellum period.

**HIS 4385 The United States in the 1960s (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The political, economic, social, cultural, and diplomatic development of the United States in the 1960s.

**HIS 4386 The City in American History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Emergence, expansion, and impact of urban growth in America from colonial times to the present. Emphasis given to the mechanics of city building, the social, economic, political, and cultural dimensions of urban development and the changing image of the city in the minds of the American people.

**HIS 4388 American Environmental History (3)**

Cross-listed as ENV 4389

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Investigation of the physical, social, cultural, and economic relationships between humans and their environment in America from pre-contact to the present.

**HIS 4390 U.S. Foreign Relations to 1919 (3)**

Pre-requisite(s): Nine semester hours or consent of instructor  
The foundations of U.S. diplomacy with particular emphasis on transnational influences, e.g. democracy, gender, trade, slavery, race, and imperialism.

**HIS 4391 The Vietnam War (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Overview of the origins, course, and legacy of the US experience in the Vietnam War.

**HIS 4392 U.S. Foreign Relations since 1919 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
The emergence of the United States as a global power, with emphasis on ideology, economics, race, religion, and militarism.

**HIS 4393 American Military History to 1890 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Major military conflicts in North America from European colonization to the close of the Plains Indians Wars.

**HIS 4394 American Military History since 1890 (3)**

Pre-requisite(s): 9 semester hours of history or consent of instructor  
Major military conflicts in United States history from the Spanish-American War to the present day.

**HIS 4395 History of American Thought, 1630-1859 (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Enduring beliefs about and attitudes toward the world and themselves held by Americans. Emphasis on patterns of beliefs as bases for assurance and commitment. From Puritans through transcendentalists.

**HIS 4396 History of American Thought, 1859 to Present (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
Beliefs Americans have relied on to define and comprehend the world and themselves. Emphasis on what Americans needed and were able to believe in their search for assurance from the naturalism of the Gilded Age to the personal experiential quest of the present.

**HIS 4398 Reading Course in American History (3)**

Pre-requisite(s): Nine semester hours of history or consent of instructor  
A tutorial course for undergraduates with intensive study of a given period or topic in American history. The nature and precise limits of the study will be established after consultation between professor and student. No student may take more than one history reading course in a given semester. A maximum of six semester hours of reading courses may apply toward a history major.

**HIS 4V89 Advanced Model Organization of American States (1-3)**

Cross-listed as PSC 4V89

Pre-requisite(s): HIS 2V89

Course prepares advanced students for leadership roles in a Model Organization of American States simulation. May be repeated for a total of six credit hours under different topics.

**HIS 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Honors (HON)

**HON 2370 Special Topics in the Honors Program (3)**

This course provides students the opportunity to pursue various lines of study as part of their Honors curriculum. Topics of the course are determined by the instructor in coordination with the Honors Program Director. With content changed, this course may be repeated for credit for a maximum of six hours.

**HON 3100 Advanced Readings & Research (1)**

Advanced readings and research toward an Honors thesis. The course is conducted under the direction of a faculty mentor from the student's major department, concentration, or area of research.

**HON 3101 Advanced Readings & Research (1)**

Pre-requisite(s): HON 3100 or concurrent enrollment  
Continuation of HON 3100, as well as participation in proseminars on thesis research and writing. Includes submission of a formal thesis proposal.

**HON 3200 Colloquium (2)**

Informal group discussion of important books and issues in various branches of knowledge under the direction of faculty members or others who are specialists in the area of discussion.

**HON 3201 Colloquium (2)**

Pre-requisite(s): HON 3200  
Continuation of HON 3200.



**HON 3455 Research Design (4)**

Pre-requisite(s): Upper-level standing

Within the context of providing Honors students the architecture of laboratory, clinical, and social science research, this course has the goals of: introducing an epistemological and methodological strategy for students to conduct scientific research; enabling them to conceptualize and plan their Honors Thesis; facilitating the student's beginning work with their faculty mentor; and requiring the participants to write the initial draft of their first four chapters of their Honors Thesis - Introduction, Review of Literature, Methodology, and Hypotheses.

**HON 3V70 Readings in the Honors Program (1-4)**

Pre-requisite(s): Upper-level standing

Material selected will serve needs of students within the Honors Program. With content changed, this course may be repeated once for credit.

**HON 4088 Honors Exit Review (0)**

Pre-requisite(s): Credit or concurrent enrollment in HON 4V87

Students complete the Honors Exit Review course during their final semester. They will receive a grade of Credit once they have submitted all necessary paperwork and completed all other steps necessary to graduate from the Honors Program.

**HON 4V87 Honors Thesis (1-4)**

Pre-requisite(s): Credit or concurrent enrollment in HON 3101

Students complete Honors Thesis while conducting research and writing their thesis. The course is supervised by a faculty member in the student's major department or concentration. As a variable hour course, HON 4V87 may be completed for 1-4 hours of credit during a given semester depending upon the consent of the instructor and approval from the Honors Program. Typically, students will register for two hours of Honors Thesis during their penultimate semester and two final hours during their last semester.

## Human Performance (HP)

**HP 1101 Theory and Practice in Gymnastics (1)**

Pre-requisite(s): Departmental consent required

An introductory skill course beginning with educational gymnastics and progressing to Olympic gymnastics.

**HP 1102 Theory and Practice in Track and Field (1)**

Pre-requisite(s): Department consent required

An introductory skill course in track and field meeting during the spring semester of the freshman year.

**HP 1103 Theory and Practice in Dance (1)**

Pre-requisite(s): Departmental consent required

A comprehensive skills course in the fundamentals of dance. Included are folk, aerobic, and modern dance skills.

**HP 1108 Elementary School Physical Activities (1)**

This is an activity course for students interested in working with elementary age students. It is designed to introduce Baylor students to developmentally appropriate activities for elementary age children in the areas of fundamental skills, perceptual motor skills, games and sports skills, rhythmic activities and gymnastic skills. Through the context of movement, students will be exposed to the techniques, behaviors and approaches used by effective elementary physical education teachers.

**HP 1144 Theory and Practice in Tumbling and Dance (1)**

Pre-requisite(s): Departmental consent required

A course designed to develop fundamental skills in tumbling and dance (folk, modern and aerobic) and to introduce students to the responsibilities of a cheerleader and/or drill team sponsor.

**HP 1201 Driver Education and Training (2)**

A comprehensive driver education course covering all aspects of driving-learning to drive, traffic laws, mechanics of driving, the automobile, proper driving attitudes, and defensive driving. Upon successful completion of course requirements, students receive a Driver Training Certificate for insurance purposes.

**HP 1202 First Aid (2)**

Cross-listed as RLS 1202

Pre-requisite(s): For RLS 1202: RLS majors only; for HP 1202: no prerequisite required

A course designed to teach the knowledge and techniques of first aid and emergency procedures. A Red Cross Standard First Aid Certificate is granted on completion.

**HP 1233 Red Cross Water Safety (2)**

Pre-requisite(s): Departmental approval required

The most advanced aquatic course offered for certification by the American Red Cross. Prerequisites include prior certification in CPR and either Emergency Water Safety or Life Guarding. This course includes a review of swimming and lifesaving skills, analysis and remediation of stroke mechanics, lesson planning, classroom management, and teaching technique for the aquatic environment.

**HP 1236 Dance Choreography (2)**

Pre-requisite(s): A minimum grade of C in HP 1103 or LF 1106 or consent of instructor

See required courses for the major.

**HP 1420 Human Anatomy (4)**

Pre-requisite(s): HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only

An introductory course designed to teach the basic life systems in the human body. Detailed examination of the circulatory, muscular, skeletal, respiratory, and endocrine systems will be emphasized.

**HP 1421 Introduction to Human Physiology (4)**

Pre-requisite(s): HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only

Provides the scientific foundation for the field of medicine, exercise physiology and all professions related to human health. Basic chemical and biological concepts will provide students the framework to comprehend physiological principles.

**HP 2102 Fitness Concepts and Testing Procedures (1)**

The acquisition of essential skills and knowledge in fitness education that lead to excellent physical conditioning and the ability to administer a variety of fitness tests. Students must demonstrate specified levels of physical fitness to complete the course.

**HP 2304 Advanced First Aid (3)**

Acquisition of skills and knowledge to qualify for Advanced First Aid certification through the American Red Cross or equivalent agency. Additional material in emergency care from a supplementary text is included. Practical application skills are performed.

**HP 2306 Anatomical Kinesiology (3)**

Pre-requisite(s): A minimum grade of C in HP 1420; HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only

A course designed to develop an understanding of human movement through the study of neuromuscular control, anatomical structures, and mechanical principles.

**HP 2307 Biomechanics (3)**

Pre-requisite(s): HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only

An overview of the principles and methods of analyzing human movement from a mechanical and quantitative perspective.

**HP 2309 Medical Conditions and Pharmacology (3)**

Pre-requisite(s): HP 2340 and HP 2342

Athletic Training Majors Only. This course covers the evaluation and prevention of the most common medical conditions. It also covers medications commonly encountered in the practice of physical medicine. It will include categories of drugs; generic and trade names of common drugs; the use, effects and precautions of common drugs; and drug-drug interactions and pharmacokinetic principles.

**HP 2341 Prevention and Care of Athletic Injuries (3)**

Pre-requisite(s): A minimum grade of C in HP 1420

The course is designed to teach the basic athletic training needs, to teach fundamental skills and methods in athletic training, and to train an individual to take care of both injured and uninjured athletes.

**HP 2409 Emergency Medical Technician - Basic (4)**

Pre-requisite(s): Departmental consent required

This is a Texas Department of Health approved course leading to state certification as an Emergency Medical technician. The class requires classroom and field studies in applicable skills and environment. National Registry Exam available on completion.

**HP 2420 Exercise Physiology (4)**

Pre-requisite(s): A minimum grade of C in HP 1420; HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only

This course provides lecture and lab experience in that aspect of sports medicine which involves the study of the body's response, adjustments, and adaptations to exercise.

**HP 3136 Innovative Games and Adventure Activities (1)**

Designed to assist the student in studies of the mechanics and techniques of each activity. Includes the skills, rules, principles and purposes of each activity. First semester sophomores and above are eligible to enroll in this course.

**HP 3300 Pedagogy of Team Sports (3)**

This course is designed to provide practice in teaching skills, to increase knowledge of games and difference sports rules, and to develop an appreciation for the basic skills in a variety of team sports. First semester sophomores and above are eligible to enroll in this course.

**HP 3301 Pedagogy of Individual Sports (3)**

This course is designed to provide practice in teaching skills, to increase knowledge of the games and different sports rules, and to develop an appreciation for the basic skills in a variety of individual sports. First semester sophomores and above are eligible to enroll in this course.

**HP 3302 Pedagogy of Dance (3)**

Pre-requisite(s): LF 1118 and 1148; or LF 1119

Course includes history, pedagogy, curriculum design, music selection, costuming, creative activities, and dance resources. Field experience includes observation, journal entries, and assisting in a dance environment.

**HP 3311 Essentials of Ethics in Healthcare (3)**

Cross-listed as HED 3311

Pre-requisite(s): REL 1310 and REL 1350

This course presents students with the opportunity to explore current healthcare ethical dilemmas, consider bias, and participate in the formulation of Christian responses in difficult healthcare situations. REL 1310 The Christian Scriptures and REL 1350 The Christian Heritage are prerequisites.

**HP 3312 Introduction to Standardized Patient Methodology (3)**

Cross-listed as THEA 3310

Pre-requisite(s): HHPR THEA majors only

Prior to enrollment students must audition and be selected. In this course students will be provided an introduction to the methodology of standardized patient encounters. Students will learn to be Simulation Performers (e.g., patients, family members) to provide standardized, real-life healthcare scenarios in the training of healthcare providers to improve medical and communication skills.

**HP 3320 Fundamentals of Exercise Biochemistry (3)**

Pre-requisite(s): Upper-level standing

Credit or concurrent enrollment in HP 2420. HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only. An overview of biochemistry and metabolism related to exercise, training adaptations, and nutrition.

**HP 3330 Research Methods and Design in Exercise Science (3)**

Pre-requisite(s): HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only

Introduction to research methods in exercise science including research designs, collection of data with appropriate statistical techniques, as well as the critique of peer reviewed research.

**HP 3346 Elementary School Physical Education (3)**

Pre-requisite(s): Elementary education majors and sophomore standing or above, HHPR majors, or permission from HP program director

This course is designed for elementary education majors (EC-6 Generalist) and for those interested in working with young children. Students are introduced to the techniques and approaches used by effective physical education teachers as they design and implement elementary physical education programs. Class time is spent in the classroom, the gym, and in local schools exploring how children learn motor skills and adopt physically active lifestyles.

**HP 3368 Adapted Human Performance (3)**

Pre-requisite(s): Upper level standing

A study of the theory of corrective human performance with special emphasis on the analysis of movement and postural deviations and the choice of and application of exercises and activities for their correction.

**HP 3369 Perceptual Motor Skills Development (3)**

Pre-requisite(s): A minimum grade of C in HP 3346; and upper level standing

This course will identify normal developmental sequences and performance patterns of primary and intermediate age children. The emphasis will be the correlation of this information with skills.

**HP 3381 Fundamentals of Human Performance (3)**

Pre-requisite(s): Upper-level standing

This course examines the goals, objectives, and evaluation of exemplary programs.

**HP 3382 Risk Management in HHPR (3)**

Cross-listed as RLS 3382

Pre-requisite(s): Junior level standing; RLS 3382 for RLS majors only; HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only

Course explores the legal principles and rules of laws affecting administration and operation of health, physical education, recreation, sports programs, resources, areas, and facilities. Risk management and legal concepts are applied to contracts, human rights, property, products liabilities, negligence, and torts.

**HP 3V50 Clinical Research Collaboration (1-3)**

See HED 3V50 for course description.

**HP 3V79 Seminar in HHPR (1-6)**

hrs.

**HP 4301 Choreography and Production (3)**

Pre-requisite(s): LF 1118 and 1148; or LF 1119

This course is designed to enhance a student's performance skills in modern, ballet, and jazz dance. "Choreography" will include original routines using music selection, development of choreography, costuming, lighting, peer teaching, and written step instructions. "Production" will include performance in class as well as experience in production of a show at the end of the semester.

**HP 4352 Exercise and Sport Nutrition (3)**

Pre-requisite(s): HP 2420 and upper-level standing or consent of instructor

An overview of the role of nutrition as a means to enhance health and performance in exercise and sport. Topics to be covered include principles of healthful nutrition, energy metabolism, and nutrients, regulation of metabolism by vitamins and minerals, weight control, and analysis of the validity of proposed nutritional ergogenic aids.

**HP 4354 Techniques of Strength Training and Conditioning (3)**

Pre-requisite(s): HP 2306 and 2420

This course is to study current principles and procedures essential to strength training and conditioning practices. Emphasis is placed on the development and practical applications of aerobic conditioning, joint flexibility, muscular strength, power, and endurance programs.

**HP 4363 Philosophy, Principles, and Administration of Human Performance (3)**

Cross-listed as EDL 4363

Pre-requisite(s): Upper-level standing

Understanding of the fundamental principles and philosophy of human performance as they relate to program development, methodology, organization, and administration. Historical concepts, objectives, and purposes of human performance are also emphasized.

**HP 4368 Motor Learning and Development (3)**

Pre-requisite(s): Upper level standing

HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only. Skill learning and skill performance, covering the gradual development of human physical abilities over the centuries. The states of an individual's development from childhood to maturity will be studied. Included are factors affecting physical development, the nature of the learning process, and the methods suitable for both the early stages of skill learning and the advanced skill levels.

**HP 4369 Sports Psychology (3)**

Pre-requisite(s): Upper-level standing; HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only

Examines psychological theories and techniques applied to sport to enhance the performance and personal growth of athletes and coaches. Lecture with an emphasis on discussion. The course is designed to help both present and future coaches to use sound psychological principles to be more effective. Emphasis is given to understanding personality, motivation, confidence, discipline, imagery use, psyching techniques, relaxation training, anxiety and choking, attention and concentration, the psychology of injury and rehabilitation, and clinical issues common in athletics.

**HP 4370 Successful Coaching (3)**

Pre-requisite(s): Upper-level standing

The course is designed to provide a foundation in the practical application of sport science and management. Specifically, the class will address the sport psychology, sport pedagogy, sport physiology and sport management aspects of successful coaching. A 20-hour field-based experience with a middle or high school sports team is required.

**HP 4372 Sociology of Sport (3)**

Cross-listed as SOC 4311

Pre-requisite(s): Upper-level standing

A course that studies the interaction of various social influences such as the mass media, economics, race, gender, religion, group behavior, politics, and education on sport.

**HP 4375 Exercise Prescription in Health and Disease (3)**

Pre-requisite(s): HP 4450 This course will enable the student to apply the skills learned to writing exercise prescriptions for healthy and diseased populations

Emphasis will be given to developing exercise programs for individuals with chronic diseases and disabilities.

**HP 4384 Qualitative Analysis of Human Movement (3)**

Pre-requisite(s): A minimum grade of C in HP 2306 and upper level standing

Advanced instruction in qualitative analysis of human movement, with training in methods of perceiving and measuring errors of movement in a variety of environments (teaching, coaching, and clinical evaluation).

**HP 4393 Facilities and Equipment in HHPR (3)**

Cross-listed as RLS 4393

Pre-requisite(s): Upper level standing; HHPR (EP, HSS, PHSS, HKLS, PED, REC) and Public Health (PH) majors only

Structural standards, operation, maintenance, function, design, and planning of human performance and recreation resources, areas, and facilities; and the selection, purchasing, and care of equipment appropriate to these programs and services.

**HP 4396 Religion and Sport (3)**

Cross-listed as REL 4396

See REL 4396 for course information.

**HP 4398 Sports-Related Ethics (3)**

Cross-listed as REL 4398

Perspective of the Judeo-Christian tradition of the moral concerns related to sports in American society. Various dimensions of the organized sports phenomenon, including those at the youth, secondary school, intercollegiate, and professional level. This course will not be accepted for credit toward a major or minor in religion or toward the six hour religion requirement by the University.

**HP 4450 Exercise Testing and Interpretation I (4)**

Pre-requisite(s): Prerequisite(s): HP 1421, Credit or concurrent registration in HP 2420; Current First Aid and CPR Certification  
Lectures will address the principles of common physical assessments used in clinical and fitness settings, the selection of appropriate assessments, results interpretation and the application of assessment results for exercise prescription and chronic disease risk reduction. Laboratory experiences are designed to develop competencies in physical assessment and results interpretation.

**HP 4471 Exercise Testing and Interpretation II (4)**

Pre-requisite(s): Prerequisite(s): HP 4450, Current First Aid and CPR Certification

Lectures and laboratory experiences build on information covered in HP 4450. This course is designed to develop and refine core competencies in conducting common physical assessments and interpreting results for exercise prescription and chronic disease risk reduction. Laboratory experiences include student engagement in comprehensive health and fitness profiles.

**HP 4V79 Internship in Human Performance (3-6)**

Pre-requisite(s): Departmental consent required

The internship provides hands-on experience for the human performance major in the area of his or her concentration. The experience includes a special project determined jointly by the student and the agency intern supervisor.

## Human Sciences & Design (HSD)

**HSD 1104 New Student Seminar in Human Sciences and Design (1)**

History, interdependence and integrative nature of HSD program areas and their role in the study of health and human sciences. A New Student Experience (NSE) course examining techniques for academic success, finding purpose and connection with Baylor, and professional and career options.

**HSD 1231 Design and Creative Technologies (2)**

The study of art and design principles through the use of creative technologies including image creation and editing software, digital sketching and illustration, and project management systems, to develop communication and marketing materials.

**HSD 2100 Directed Study in Human Sciences and Design (1)**

Pre-requisite(s): Consent of instructor  
Individual study of selected areas of interest in human sciences and design.

**HSD 2200 Directed Study in Human Sciences and Design (2)**

Pre-requisite(s): Consent of instructor  
Individual study of selected areas of interest in human sciences and design.

**HSD 3100 Applied Undergraduate Research in Human Sciences and Design (1)**

Pre-requisite(s): Junior level standing  
In-depth undergraduate research. This class is intended for application-oriented, individualized professor-supervised undergraduate research applications.

**HSD 3320 Methods of Teaching Human Sciences and Design (3)**

Pre-requisite(s): Fifteen hours of human sciences and design, junior standing, and admission to the School of Education  
Teaching materials and methods, media, and the philosophy of vocational education.

**HSD 3321 Curriculum and Evaluation in Human Sciences and Design (3)**

Pre-requisite(s): Junior standing, eighteen hours of human sciences and design and admission to the School of Education  
Curriculum planning, teaching strategies, evaluation, and classroom management. Each student will spend two hours each week in an approved field experience.

**HSD 3375 Global Perspectives in Housing (3)**

Pre-requisite(s): Upper-level standing  
Research and exploration in housing differences around the world as a factor of cultural, political, environmental, economical and social influences.

**HSD 4322 Student Teaching in Human Sciences and Design (3)**

Pre-requisite(s): A minimum grade of C in HSD 3321; and senior standing; and completion of all human sciences and design and education courses  
Supervised observation of and participation in various phases of a high school vocational home economics program for a full school day for a half semester. Required for vocational home economics teaching certificate.

**HSD 4332 Occupational Human Sciences and Design (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Study of the occupational human sciences and design programs in Texas. Each student will spend two hours each week in an approved field experience.

**HSD 4623 Student Teaching in Human Sciences and Design (6)**

Pre-requisite(s): A minimum grade of C in HSD 3321, senior standing; completion of all human sciences and design and education courses  
Continuation of HSD 4322. Required for vocational family and consumer sciences teaching certificate.

**HSD 4V93 Special Studies in Human Sciences and Design (1-3)**

Pre-requisite(s): Senior standing; or consent of instructor  
Current issues in human sciences and design will be examined through seminars, special topics, practicums and individual research experiences. May be repeated with different content for a maximum of six semester hours.

## Integrated Science (ISCI)

**ISCI 2410 Integrated Science: Physics, Earth & Space Science (4)**

Pre-requisite(s): Elementary Education Major or consent of instructor  
Prepares students to convey concepts in physics, earth, and space science. Contains integrated lab component.

**ISCI 2420 Integrated Science: Chemistry & Life Science (4)**

Pre-requisite(s): Elementary Education Major or consent of instructor  
Prepares students to convey concepts in chemistry and life science. Contains integrated lab component.

## Interior Design (ID)

**ID 1313 Interior Design Graphics I (3)**

Pre-requisite(s): Interior Design majors or consent of instructor  
Introduction to basic techniques of architectural drafting with an emphasis on industry standards, architectural symbols, lettering, and line weights. Graphics will focus on interior floor plans, elevations, sections, details, and axonometric drawings.



**ID 1332 Introduction to Interior Design (3)**

The elements and principles of design; their theories and applications related to the built environment, including programming, spatial relationships, materials and components, design styles, sustainability, and universal design; and an overview of the profession.

**ID 2090 Sophomore Portfolio (0)**

Pre-requisite(s): Sophomore standing in the program, ID 2315 2322  
Students in this course will successfully complete the Sophomore Portfolio Review which includes the following: Conceptual Problem - Creative Thinking and Writing, Conceptual Problem - Application/Elements/Principles and Presentation to External Reviewers. Students will not be allowed to register for upper-level studios unless they have completed this requirement.

**ID 2314 Interior Design Graphics II (3)**

Pre-requisite(s): A minimum grade of C in ID 1313  
Perspective drawing as it relates to interior design with an emphasis on one and two-point perspective techniques (both technical and free-hand). Advanced section and axonometric drawings.

**ID 2317 Space Planning (3)**

Pre-requisite(s): ID 1313  
Introduction to Interior Design space planning techniques, based on the principles and elements of design. The course will use modeling (both digital and physical) to increase the understanding of spatial relationships with an emphasis on ergonomics, anthropometrics and proxemics.

**ID 2318 ID Digital Presentation (3)**

Pre-requisite(s): ID 2314  
Introduction to digital presentation techniques and graphic software programs that aid with the development of digital presentation boards. Composition, color and print quality will be emphasized.

**ID 2320 Building Materials and Finishes for Interiors (3)**

Pre-requisite(s): A minimum grade of C in ID 2314, 2315 and credit with a minimum grade of C or concurrent enrollment in ADM 2310  
General analysis, selection, estimation, and application of materials and finishes in the design of components of the built environment including testing standards, specifications, color theory, textile applications, and cultural and global influences.

**ID 2322 Computer-Aided Drafting and Design I (3)**

Pre-requisite(s): A minimum grade of C in ID 1313  
Emphasis on a broad range of two-dimensional computer-aided drafting and design techniques for interiors as specified by industry standards, including computer graphics and various aspects of project management.

**ID 2325 Building Systems for Interiors (3)**

Pre-requisite(s): A minimum grade of C in ID 1313 and 1332; or consent of instructor  
Study of structures, building materials, construction techniques, mechanical and electrical systems, and their impact on the design of the built environment.

**ID 2350 Building Codes for Interiors (3)**

Pre-requisite(s): A minimum grade of C in ID 1313 and 1332; or consent of instructor  
Study of building and interior codes used in the design of the built environment, which includes model codes, standards, regulations, Life Safety, ADA, sustainability, electrical, and plumbing.

**ID 2375 History of Interiors 1 (3)**

Survey of influential architectural movements, interiors, furnishings, and the decorative arts related to major cultures from Antiquity through the early 19th century, with special emphasis on periods of design influenced by Classicism.

**ID 2395 History of Interiors II (3)**

Survey of architectural styles, movements, influences, interiors, furnishings, and the decorative arts from the mid-19th century to the present in Europe and America. Strong emphasis on 20th-century masters.

**ID 3198 Internship Seminar (1)**

Pre-requisite(s): A minimum grade of C in ID 3418 or concurrent enrollment  
Study and preparation for the internship experience. Application of professional skills related to various forms of written communication, interview techniques, and ethics. Portfolio design and development.

**ID 3317 Lighting for Interiors (3)**

Pre-requisite(s): A minimum grade of C in ID 2314  
Technical and psychological aspects of the illumination of interior environments that support human performance, environmental issues, aesthetic appeal, and the health, safety, and welfare of the user.

**ID 3322 Computer-Aided Drafting and Design II (3)**

Pre-requisite(s): A minimum grade of C in ID 2322  
Emphasis on three-dimensional computer-aided drawing techniques for interior design and presentation, using BIM (Building Information Modeling) software.

**ID 3418 Interior Design Studio I (4)**

Pre-requisite(s): A minimum grade of C in ADM 2310, ID 2320, 2322, and minimum grade of C or concurrent enrollment in ID 3317  
Successful completion of ID 2090. ID 2375 and 2395 recommended.  
Application of design components for residential environments. Development of the design process with emphasis on research and programming, human behavior, lifestyle concerns, environmental issues, special needs populations; and consideration of cultural, regional, and geographic influences. Includes material/finish specifications, budget application and team-based design solutions.

**ID 3426 Interior Design Studio II (4)**

Pre-requisite(s): A minimum grade of C in ID 3317, 3318 and credit with a minimum grade of C or concurrent enrollment in ID 3322  
Application of design components for small-scale commercial projects, with emphasis on research, programming, conceptual development, creative problem solving, building codes, life safety, environmental issues, and universal design. Includes estimation, specification, and applications of materials/finishes, lighting applications, and team-based design solutions.

**ID 4123 Interior Design Capstone Research (1)**

Pre-requisite(s): A minimum grade of "C" in ID 3426  
Introduction to methods and techniques of interior design research. Students develop a research framework which they will apply to the design of their capstone project the following semester. Various types of qualitative, quantitative, and historical methods of design research will be discussed.

**ID 4320 Business Practices and Procedures for Interior Design (3)**

Pre-requisite(s): A minimum grade of C in ID 4418 or concurrent enrollment  
Business practices and procedures, ethics, project coordination, licensure, and legal aspects related to the interior design profession.



**ID 4326 Sustainable Design (3)**

Pre-requisite(s): Junior or senior standing or consent of instructor  
Sustainable Design course provides an overview of sustainable practice, accreditation and certification standards, and other relevant programs like The Well Building Standard and GreenGuard. This course will prepare the student to take the USGBC Green Associate exam prior the end of the semester.

**ID 4398 Interior Design Internship (3)**

Pre-requisite(s): A minimum grade of C in ID 3198 and 3426  
ID 3322 recommended. Supervised internship in an approved design-related work environment. Minimum of 240 hours.

**ID 4418 Interior Design Studio III (4)**

Pre-requisite(s): A minimum grade of C in ID 3426 and credit with a minimum grade of C or concurrent enrollment in ID 3322  
Application of design components for large-scale commercial projects including open office systems, with increased emphasis on thorough research and programming, conceptual development, creative problem-solving, application of building codes, environmental issues, and universal design. Includes estimation, specification, and application of material/finishes, lighting applications, and team-based design solutions.

**ID 4433 Interior Design Studio IV (Capstone) (4)**

Pre-requisite(s): A minimum grade of C in ID 4418 and 4320  
A comprehensive capstone studio that will provide an advanced integrative application of the design process resulting in complex design solutions and complete project documentation. Final portfolio presentation required.

## International Business (INB)

**INB 3305 Global Business (3)**

Pre-requisite(s): Junior standing  
An introductory survey for all majors, exploring how companies and nations operate in the global economy. Topics include the cultural, legal, financial, logistical, and ethical challenges that companies encounter in the global market and the strategies designed to address those challenges. Current global developments and company practices are emphasized.

**INB 3332 Business in the Global Economy (3)**

Pre-requisite(s): A minimum grade of C in ECO 1380 or a minimum grade of C in ECO 2306 and ECO 2307; junior standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
An overview of the global economy, with an emphasis on how current developments affect international business. A brief history of foreign trade, basic international trade theory, instruments of trade policy and their economic effects, trade policies for developing nations, regional economic integration arrangements, balance of payments, and foreign exchange markets. A student may not earn credit in both ECO 3331 and INB 3332.

**INB 3333 Doing Business Across Cultures (3)**

Pre-requisite(s): Junior standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
A practical survey for all majors of how business practices vary across different cultures. Ways of doing business are compared and contrasted on a regional basis, including cultures in Europe, Asia, the Middle East, and Latin America. Case discussion is emphasized.

**INB 3350 International Entrepreneurship (3)**

Cross-listed as ENT 3350  
See ENT 3350 for course information.

**INB 4320 International Business Law (3)**

Cross-listed as BL 4320  
See BL 4320 for course information.

**INB 4325 International Marketing (3)**

Cross-listed as MKT 4325  
See MKT 4325 for course information.

**INB 4331 International Business Finance (3)**

Cross-listed as FIN 4331  
See FIN 4331 for course information.

**INB 4333 Foreign Exchange Markets (3)**

Cross-listed as ECO 4333  
See ECO 4333 for course information.

**INB 4334 Economic Development (3)**

Cross-listed as ECO 4334  
See ECO 4334 for course information.

**INB 4335 Asian Economic Development (3)**

Cross-listed as AST 4335, ECO 4335  
See ECO 4335 for course information.

**INB 4338 Economic Systems of the World (3)**

Cross-listed as AST 4338, ECO 4338  
See ECO 4338 for course information.

**INB 4340 Studies in the Caribbean Region (3)**

Pre-requisite(s): Sophomore standing or above; BBA students must be admitted to the Business School in order to take this course  
This course is conducted in the Dominican Republic as part of the Baylor in the Dominican Republic program, which allows undergraduate students to experience life in the Caribbean region first-hand. Students will study the social, cultural, historical, economic, and political issues that impact businesses in the Dominican Republic and the general environment in which they operate. Students will visit a variety of enterprises and consider the dynamics of participation in the economy and society of a Caribbean nation.

**INB 4345 Global Trade Compliance (3)**

Cross-listed as BL 4345  
See BL 4345 for course information.

**INB 4378 International Accounting (3)**

Cross-listed as ACC 4378  
See ACC 4378 for course information.

**INB 4398 Special Studies in International Business (3)**

Pre-requisite(s): Consent of instructor; not open to pre-business students  
Independent study under the direct supervision of an international business faculty member.

**INB 4V98 Special Studies in International Business (1-6)**

Pre-requisite(s): Consent of instructor and Chair of International Business; not open to pre-business students  
With the permission of the chair of International Business, this course may be taken for one to six hours of credit.

## Italian (ITA)

**ITA 1101 Italian Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**ITA 1102 Italian Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**ITA 1301 Elementary Italian (3)**

Introduction to Italian language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**ITA 1302 Elementary Italian (3)**

Pre-requisite(s): ITA 1301 or two units of high school Italian  
Introduction to Italian language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**ITA 2310 Intermediate Italian (3)**

Pre-requisite(s): ITA 1302 or three units of high school Italian  
Introduction to Italian language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency.

**ITA 2320 Pathways in Italian Culture (3)**

Pre-requisite(s): ITA 2310 or four units of high school Italian  
An exploration of the numerous facets of Italian culture including art, history, geography, and influence while expanding upon the language skills developed in the preceding three semesters.

**ITA 3301 Advanced Italian Grammar (3)**

Pre-requisite(s): ITA 2320 or consent of instructor  
Review of problematic grammar and the study of advanced structures in complex communication.

**ITA 3302 Italian Conversation, Reading, and Composition (3)**

Pre-requisite(s): ITA 2320 or consent of instructor  
Development of communication skills through the study of Italian civilization, culture, and selected works of literature.

**ITA 3307 Italian Food Culture (3)**

Pre-requisite(s): ITA 2320 or consent of instructor  
Survey of the rich landscape of Italian gastronomy from the Roman Empire to present times.

**ITA 3308 Italian Pop Culture (3)**

Pre-requisite(s): ITA 2320  
Popular culture in Italy as represented in film, music, popular literature, and mass media.

**ITA 3310 Introduction to Italian Literature (3)**

Pre-requisite(s): ITA 2320 (or equivalent) or consent of instructor  
Introduction to Italian literature through the study of selected works.

**ITA 3320 Conversation and Composition in Tuscany (3)**

Pre-requisite(s): ITA 2320 or consent of Baylor in Tuscany director  
Further development of oral and written skills within the context of the Baylor in Tuscany program.

**ITA 3330 Italian Through Film (3)**

Pre-requisite(s): ITA 2320 (or equivalent) or consent of instructor  
Development of communication skills through viewing and discussing Italian movies.

**ITA 3337 Italian Civilization (3)**

Pre-requisite(s): ITA 2320 or consent of the instructor  
The social, cultural, historical, and intellectual aspects of Italian civilization from its origin to the present.

**ITA 3342 Giro d'Italia: Regions of Italy (3)**

Pre-requisite(s): ITA 2320 or consent of instructor  
The geographic, historical, cultural, and economic aspects of Italy's regions.

**ITA 3348 Florence and Its Cultural Treasures (3)**

Pre-requisite(s): ITA 2320 or consent of Baylor in Tuscany director  
The history and cultural heritage of Florence, from antiquity to the present, within the context of the Baylor in Tuscany program.

**ITA 3V70 Special Problems (1-3)**

Pre-requisite(s): ITA 2320 or consent of instructor  
Independent study in Italian language or literature. With content changed, this course may be repeated once for credit.

**ITA 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**ITA 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Japanese (JPN)

**JPN 1101 Japanese Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**JPN 1102 Japanese Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**JPN 1301 Introductory Japanese (3)**

Introduction to the Japanese language and culture; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students progress through novice proficiency levels

**JPN 1302 Elementary Japanese (3)**

Pre-requisite(s): JPN 1301 or two units of high school Japanese  
Introduction to the Japanese language and culture; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students progress from novice toward intermediate-level proficiency

**JPN 2310 Intermediate Japanese (3)**

Pre-requisite(s): JPN 1302 or three units of high school Japanese  
Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading) to help students attain intermediate-level proficiency in Japanese.

**JPN 2320 Exploring Japan (3)**

Pre-requisite(s): JPN 2310 or four units of high school Japanese  
Practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading) to help students develop language skills in Japanese at the Intermediate Level. Explores aspects of Japanese culture and society.

**JPN 3301 Advanced Japanese I (3)**

Pre-requisite(s): JPN 2320 or consent of instructor  
Integration of intermediate-level Japanese reading, writing, listening, and speaking skills with content knowledge to prepare students for advanced-level Japanese courses

**JPN 3302 Japanese Culture through Reading (3)**

Pre-requisite(s): JPN 3301 or consent of instructor  
 Development of reading skills in Japanese through selected texts that focus on some aspect of Japanese culture, including food, literature, cultural identity, current events, and film and criticism. May be repeated once for a maximum of 6 hours credit when topic varies.

**JPN 3303 Japanese Conversation and Composition (3)**

Pre-requisite(s): JPN 2320  
 Further development of communication skills through conversation and composition.

**JPN 3304 Japanese Civilization (3)**

Pre-requisite(s): JPN 3301, 3302, or 3303  
 Japanese history and culture in the target language.

**JPN 3305 Japanese for the Professions (3)**

Pre-requisite(s): JPN 3301  
 Development of cultural competence and Japanese language proficiency in business and other professional workplace situations. Includes authentic and current materials to develop understanding of the business practices, corporations and various industries in Japan.

**JPN 3306 Japanese Cinema (3)**

Pre-requisite(s): JPN 3301  
 Critical analysis of Japanese films from 1950s to present. Designed to develop cultural competence and Japanese proficiency through discussions and presentations.

**JPN 3352 Japanese Theatre and Culture Japanese Theatre and Culture (3)**

Cross-listed as THEA 3352  
 See THEA 3352 for course information.

**JPN 3V70 Special Topics in Japanese (1-3)**

Pre-requisite(s): Consent of instructor  
 Special topics in Japanese language, literature, and culture. With content changed, may be repeated for a total of 6 hours.

**JPN 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
 Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**JPN 4V90 Special Topics in Japanese (1-3)**

Pre-requisite(s): JPN 3301, JPN 3302, JPN 3303, and JPN 3304; or consent of instructor  
 An independent study course in Japanese language and culture or literature on a topic selected by the student in consultation with the instructor. With content changed, this course may be repeated once for up to six semester hours of credit.

**JPN 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
 Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Journalism (JOU)

**JOU 1303 Introduction to Mass Communication (3)**

Cross-listed as FDM 1303  
 See FDM 1303 for course information.

**JOU 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
 Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**JOU 2301 Media Literacy in a Democratic Society (3)**

Designed to increase media knowledge and function and improve ability to discern reliability of sources.

**JOU 2303 Reporting and Writing for Media (3)**

Pre-requisite(s): Only open to JOU majors and minors  
 Professional writing skills used for a variety of media. Research and interviewing techniques for storytelling for multiple mediums. Evaluation of different media for content, bias, ethics, news values, diversity and objectivity.

**JOU 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
 Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**JOU 3310 Sportswriting (3)**

Pre-requisite(s): JOU 2303 or JOU 3372 and JOU 3325  
 Historical and multi-media perspective on sports reporting through lectures and reporting assignments covering intercollegiate athletic competition.

**JOU 3315 Broadcast Writing and Reporting (3)**

Cross-listed as CST 3315, FDM 3315  
 Pre-requisite(s): For Journalism majors, JOU 2303 and JOU 3325; for Film and Digital Media or Communication Specialist majors: FDM 3372  
 Not open to Pre-Film and Digital Media students. The theory and practice of broadcast news reporting including gathering, critically processing, and enterprising unique stories with compelling video and storytelling. Fee: \$60

**JOU 3320 Advertising Procedures (3)**

Cross-listed as MKT 3320  
 See MKT 3320 for course information.

**JOU 3321 Advertising Copywriting (3)**

Pre-requisite(s): JOU 3325 and upper-level standing  
 The process of developing effective advertising copy for the mass media, including concept generation, research, copy testing, advertising execution, media placement and assessment.

**JOU 3325 Editing (3)**

Pre-requisite(s): JOU 2303 or JOU 3372  
 Development of skills and resources used by editors in preparing content for publication in the print or digital world. Emphasis on editing and design using relevant programs. Also covers legal and ethical issues as well as diversity in the newsroom.

**JOU 3355 Media Photography I: Introduction (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
 Basic theory of visual communication. Instruction in basic camera and lighting skills and laboratory practice. Completion of photographic assignments for a range of media. Laboratory required.

**JOU 3356 Media Photography II: Photojournalism (3)**

Pre-requisite(s): JOU 3355 Continued development of photographic skills through individual photojournalism projects  
 Emphasis on the completion of location assignment work and documentary projects for publication. Laboratory required.

**JOU 3357 Advanced Photography (3)**

Pre-requisite(s): JOU 3355 and 3356  
 Further enhancement of technical skill and creative vision in media photography. Emphasis on professional practice including self-promotion and the completion of a portfolio.

**JOU 3358 Videography for Broadcast Journalism (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Introduction to video journalism with emphasis on pre-production, camera handling, editing and videography for storytelling in broadcast journalism. Fee \$100

**JOU 3366 Public Relations for Non-Profit Organizations (3)**

Pre-requisite(s): JOU 3367 or consent of instructor  
Communication techniques, public relations, news writing and advertising procedures applied to needs of non-profit organizations or local churches. Includes laboratory work, research, and individual and team projects in social service or church public relations.

**JOU 3367 Principles of Advertising and Public Relations (3)**

Pre-requisite(s): JOU 2303 or JOU 3372 or consent of instructor  
Professional communication principles applied in contemporary public relations and advertising concepts. Theory, history, and practice of public relations and advertising, including evaluation of public opinion, and the planning, implementing, and evaluating of public relations and advertising programs. Designed for students with journalism background.

**JOU 3369 Media Design (3)**

Pre-requisite(s): JOU 3325 and sophomore standing  
Introduction to graphic design in a media setting. Students work with Adobe InDesign, Photoshop and Illustrator software.

**JOU 3370 Public Relations Agency (3)**

Pre-requisite(s): JOU 3367 and JOU 3369  
Application of public relations principles in an agency setting.

**JOU 3372 Writing for Media Markets (3)**

Cross-listed as FDM 3372  
Pre-requisite(s): Sophomore level standing or above  
Not open to Pre-Film and Digital Media majors. Specialized writing for media markets, including public relations releases, brochures, news reports, and speeches.

**JOU 3374 Public Relations Writing (3)**

Pre-requisite(s): JOU 2303 and 3325  
Use of audience and media analysis with the logic and language skills needed to construct messages in the public relations profession.

**JOU 3375 Advanced Reporting and Writing (3)**

Pre-requisite(s): JOU 2303  
Experience in news gathering and writing with emphasis on relationships with professional news sources. Lariat laboratory included.

**JOU 3376 History of American Journalism (3)**

Pre-requisite(s): Open to juniors and seniors throughout the university  
Development, impact, and importance of communication groups and of individual journalists and media in the United States.

**JOU 3385 Advanced Broadcast Reporting & Producing (3)**

Pre-requisite(s): JOU/FDM 3315  
Focuses on advanced skills for compelling broadcast stories with strong characters and storytelling skills. Uses news values to build newscast segments, link stories and supporting content, including graphics, data lists and maps.

**JOU 3386 Editorial and Column Writing (3)**

Pre-requisite(s): JOU 2303 and 3325  
Fundamentals of writing informative and persuasive editorials and in writing appealing newspaper columns.

**JOU 3387 International Communication (3)**

Pre-requisite(s): Open to juniors and seniors throughout the university  
International communication: its history, the flow of news and information, its role in international relations, a comparison of press systems, the role of new World Information Order, and communication in developed and developing nations.

**JOU 3389 Magazine and Feature Writing (3)**

Pre-requisite(s): JOU 2303 and 3325  
The nature and functions of magazine and feature article writing and editing, with emphasis on identifying article ideas and taking projects through the writing, editing and placement process.

**JOU 3391 News Internship (3)**

Pre-requisite(s): JOU 3375 and consent of instructor  
Open to journalism majors on approved internships with various media under faculty supervision. Record of work done and report of media supervisors required.

**JOU 3392 Photo Internship (3)**

Pre-requisite(s): JOU 3356 and consent of instructor  
Open to journalism majors on approved internships with various media under faculty supervision. Record of work done and report of media supervisors required.

**JOU 3393 Religious Communication Internship (3)**

Pre-requisite(s): JOU 3375 or 4368 and consent of instructor  
Open to journalism majors on approved internships with various media under faculty supervision. Record of work done and report of media supervisors required.

**JOU 3394 Advertising Internship (3)**

Pre-requisite(s): JOU 3321 and consent of instructor  
Open to journalism majors on approved internships in advertising.

**JOU 3395 Public Relations Internship (3)**

Pre-requisite(s): JOU 4368 and consent of instructor  
Open to journalism majors on approved internships in public relations.

**JOU 3397 Magazine Publishing (3)**

Pre-requisite(s): JOU 3325  
In-depth examination of magazine function, research, copy editing and layout, with practice in each. Strong emphasis on editorial decision-making and formulation of magazine editorial policy. Consumer, special interest, professional, trade, and company-sponsored magazines are studied.

**JOU 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**JOU 4305 Gender, Race & Media (3)**

Pre-requisite(s): Upper-level standing or consent of the instructor  
Theory, critical analysis techniques and personal experiences with race, gender and class. Examination of the link between media representations, institutional practices and how closely these images reflect more objective measures of reality.

**JOU 4310 Media Management (3)**

Pre-requisite(s): JOU 3375 or 4368, or consent of instructor  
The theory and methods of modern media management, including advertising sales and production, news-editorial organization and operations, and business and distribution functions.



**JOU 4315 Strategic Communications Research (3)**

Pre-requisite(s): JOU 3367 or 3320

Continued research and development of advertising materials, including strategic planning, budgeting and media allocation, testing and evaluation.

**JOU 4320 Advertising Management (3)**

Pre-requisite(s): JOU 4315

Structures and procedures for effectively managing advertising production and functions within media and agency environments.

**JOU 4325 Advanced Editing (3)**

Pre-requisite(s): JOU 3325 for journalism undergraduates

Continued development of editing skills through exploration of advanced techniques in newspaper layout and design. Individual project required. Use of Macintosh computer to design information graphics and news pages.

**JOU 4330 News Media and American Society (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Philosophical examination and evaluation of the interaction between society and news media in the United States.

**JOU 4340 Writing and Editing for On-Line Media (3)**

Pre-requisite(s): JOU 2303 and 3325

Technical skills, writing and editing for web-based mass communication. Students will learn the coding language, some image manipulation and writing hypertext information for web-based mass media and public relations and apply this learning in a project.

**JOU 4350 Mass Media and Popular Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Examination and evaluation of the roles of the mass media in promoting popular culture, including how media practitioners are portrayed.

**JOU 4359 History of Photography (3)**

Pre-requisite(s): Upper-level standing

Photography since its appearance in 1839: people, ideas, and technologies that shaped the history of photography; the cultural and artistic environments in which photographs have been taken; and the major genres of photography, including portraiture, documentary, art-photography and photojournalism.

**JOU 4360 Documentary Explorations (3)**

Pre-requisite(s): Upper-level standing

The theory and, selectively, the practice of written, photographed and filmed documentary, oral history, and participant-observer anthropology. Students will undertake projects involving fieldwork.

**JOU 4365 Social Media for Strategic Communication and Journalism (3)**

Pre-requisite(s): Upper-level standing or consent of the instructor

Examination of social media in public relations, advertising, journalism, organizations, and personal branding. Development of social media plans for products, services, or organizations.

**JOU 4368 Advanced Public Relations (3)**

Pre-requisite(s): JOU 2303, 3325, and 3367; and upper-level standing

Researching, planning, implementation and evaluation of public relations campaigns and programs. Includes a public relations internship.

**JOU 4371 Public Relations Media Programming (3)**

Pre-requisite(s): JOU 3367 and 4368

Planning and production of programming for public relations events, meetings and campaigns. Students compose presentations that mix media to achieve stated public relations objectives.

**JOU 4380 Law and Ethics of Journalism (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Rights and privileges of the news media and their social and legal responsibilities under the principles of common law and the constitution. Includes an overview of the American judicial system and the role of the journalist in reporting civil and criminal matters.

**JOU 4385 Data Analytics & Visualization (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Common tools used for data analysis and visualization, best practices in data visualization design, social media data mining, and social media network analysis, applied to public relations and advertising.

**JOU 4390 Advertising and Public Relations Leadership (3)**

Pre-requisite(s): JOU 4371 or JOU 4315

Develop leadership capabilities in self-awareness, group dynamics, interpersonal relations, organizational dynamics, strategic decision-making and the foundations of leadership.

**JOU 4398 Public Affairs Reporting (3)**

Pre-requisite(s): JOU 2303

Problems in reporting local, state, and national governmental affairs, including obligations and responsibilities of the reporter and of the media. Actual practice under field conditions.

**JOU 4669 Documentary Summer Field School (6)**

Pre-requisite(s): Upper-level standing

Course centers on documentary fieldwork during a residency of up to three weeks. Methodologies may include oral history, participant observation, documentary photography and documentary radio.

**JOU 4V80 Radford Seminar (1-6)**

Pre-requisite(s): Upper-level standing

Advanced writing specialization in specific journalistic disciplines. May be repeated up to a total of six semester hours provided topic is different.

**JOU 4V95 Special Studies (1-3)**

Pre-requisite(s): JOU 2303 and upper-level standing

Individual study with faculty guidance of some vital area in the field of communication. May be repeated once with change in content.

**JOU 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Korean (KOR)

**KOR 1101 Korean Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**KOR 1102 Korean Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**KOR 1301 Elementary Korean (3)**

Introduction to the Korean language and culture; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students progress through novice proficiency levels

**KOR 1302 Elementary Korean (3)**

Pre-requisite(s): KOR 1301 or two units of high school Korean

Introduction to the Korean language and culture; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Designed to help students progress from novice toward intermediate-level proficiency



**KOR 2310 Intermediate Korean (3)**

Pre-requisite(s): KOR 1302 or three years of high school Korean  
Designed to help students attain intermediate-level proficiency in Korean. Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

**KOR 2320 Intermediate Korean II (3)**

Pre-requisite(s): KOR 2310 or four years of high school Korean  
This course will continue to help students develop spoken and communicative skills in Korean at the Intermediate Level. Practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

## Latin (LAT)

**LAT 1301 Elementary Latin I (3)**

The basic elements of classical Latin grammar and Roman culture, with readings emphasizing ethics, history, morality, philosophy, and mythology.

**LAT 1302 Elementary Latin II (3)**

Pre-requisite(s): LAT 1301 or departmental placement  
Continuation of LAT 1301.

**LAT 1401 Beginning Latin (4)**

Pre-requisite(s): Consent of the department  
Introduction to the Latin language including the same inflection, syntax and easy reading as LAT 1301. Teaching strategies differ from those of the traditional Latin class, including more contact hours and a variety of teaching techniques with emphasis on repetition of particular structures.

**LAT 1402 Beginning Latin (4)**

Pre-requisite(s): Consent of the department  
Introduction to the Latin language including the same inflection, syntax and easy reading as LAT 1302. Teaching strategies differ from those of the traditional Latin class, including more contact hours and a variety of teaching techniques with emphasis on repetition of particular structures.

**LAT 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**LAT 2105 Conversational Latin (1)**

Pre-requisite(s): LAT 1302 or equivalent  
Build fluency and understanding in Latin by learning to use Latin actively, in speech and in writing, enabling students to read and understand written Latin texts more quickly and easily.

**LAT 2310 Intermediate Latin Prose (3)**

Pre-requisite(s): LAT 1302 or departmental placement  
Selections from Latin prose authors, such as Cicero; review of inflection and syntax.

**LAT 2315 Intermediate Latin (3)**

Pre-requisite(s): LAT 1302 or three units of high school Latin  
Selections from Julius Caesar; review of inflection and syntax.

**LAT 2320 Intermediate Latin Poetry (3)**

Pre-requisite(s): LAT 1302 or departmental placement  
Selections from Latin poets, such as Virgil and Catullus; review of inflection and syntax.

**LAT 2401 Intermediate Latin (Prose) (4)**

Pre-requisite(s): LAT 1402 and consent of instructor  
Selections from representative Latin authors, including Caesar, Cicero, and Apuleius; review of inflection and syntax.

**LAT 2402 Intermediate Latin (Poetry) (4)**

Pre-requisite(s): LAT 1402 or 2401, and consent of instructor  
Selections from representative Latin authors including Vergil, Ovid, Catullus, Propertius, and Tibullus; review of inflection and syntax.

**LAT 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**LAT 3301 Lucretius (3)**

Pre-requisite(s): LAT 2310 and 2320 or consent of instructor  
Selections from the *De Rerum Natura*.

**LAT 3302 Livy (3)**

Pre-requisite(s): LAT 2310 and 2320 or equivalent  
Selections from the Roman historian Livy.

**LAT 3303 Tacitus (3)**

Pre-requisite(s): Two 3000 level courses in Latin or consent of instructor  
Selections from the Roman historian Tacitus.

**LAT 3304 Pliny and Martial (3)**

Pre-requisite(s): Two 3000 level courses in Latin or consent of instructor  
Selections from the Letters and the Epigrams.

**LAT 3305 Cicero, Philosophical Writings (3)**

Pre-requisite(s): LAT 2310 and 2320  
Selections from the philosophical writings of Cicero.

**LAT 3306 Sallust (3)**

Pre-requisite(s): LAT 2310 and 2320 or consent of instructor  
Detailed study of selections from the works of Sallust.

**LAT 3307 Julius Caesar: Reading the Ancient Sources (3)**

Pre-requisite(s): LAT 2310 and 2320 or consent of instructor  
Readings on the life and times of Gaius Julius Caesar.

**LAT 3308 Readings in Imperial Epic (3)**

Pre-requisite(s): LAT 2320 or consent of instructor  
Study of imperial epic poetry (selections from Lucan, Statius, Silius, Valerius Flaccus) and its significance for the development of Roman imperial ideology.

**LAT 3309 Ovid's Metamorphoses (3)**

Pre-requisite(s): LAT 2320 or consent of instructor  
Study of Ovid's epic poem, *Metamorphoses*.

**LAT 3311 Epistles and Epigraphy of Rome (3)**

Pre-requisite(s): LAT 2310 and 2320 or consent of instructor  
Latin inscriptions and selected letters of Cicero, Seneca, and Pliny.

**LAT 3312 Augustine (3)**

Pre-requisite(s): LAT 2310, 2320 or 2401  
Selected readings of St. Augustine.

**LAT 3350 Roman Drama: Senecan Tragedies (3)**

Pre-requisite(s): LAT 2320 or consent of instructor  
Study of Seneca's tragedies, the Euripidean influence, and their impact on world theatre.

**LAT 3351 Roman Comedy (3)**

Pre-requisite(s): LAT 2310 and 2320 or equivalent  
Selected plays of Plautus and Terence.

**LAT 3352 Roman Lyric and Elegy (3)**

Pre-requisite(s): LAT 2310 and 2320 or equivalent  
Selections from the poetry of Catullus, Propertius, Tibullus, and Ovid.

**LAT 3353 Roman Satire (3)**

Pre-requisite(s): LAT 2310 and 2320 or equivalent  
Selected satires of Horace and Juvenal.

**LAT 3354 Horace (3)**

Pre-requisite(s): LAT 2320 or consent of instructor  
 Selections from the poetry of Horace.

**LAT 3390 Medieval Latin Prose (3)**

Pre-requisite(s): LAT 1302 or three units of high school Latin or consent of instructor

Selections from representative prose authors, including Peter Abelard, Bede, Ekkehard of Aura, Petrarch, Erasmus, Thomas More; review of inflection and syntax.

**LAT 3395 Medieval Latin Poetry (3)**

Pre-requisite(s): LAT 2310 and 2320

Selections from representative poetic styles and poets; authors may include St. Columba, Fortunatus, Paulus Diaconus, Reinardus Vulpes, Walter Map, Hrotsvitha of Gandersheim, and Gulielmus Gnapheus; review of inflection and syntax.

**LAT 3396 Classical and Medieval Drama: Terence and Hrotsvitha of Gandersheim (3)**

Pre-requisite(s): LAT 2310 or higher

A Comparative Reading in Latin of selections of Terence's six comedies and Hrotsvitha's six medieval plays on Christian themes, inspired by Terence and transformed into a Christian context.

**LAT 3397 Medieval Latin Religious Drama (3)**

Pre-requisite(s): LAT 2310 or higher

A Reading in Latin of selections of mystery, morality, and miracle plays from the 10th to the 14th century on Old and New Testament topics.

**LAT 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**LAT 4308 Latin Language Seminar (3)**

Pre-requisite(s): LAT 2320 or consent of instructor

Latin grammar, morphology, syntax, and phonology, prose composition, and reading of theoretical texts and analysis of Latin words in passages from ancient authors.

**LAT 4309 Virgil (3)**

Pre-requisite(s): LAT 2310 and 2320

Translation from Latin into English of selections from the works of Virgil, especially the Eclogues, Georgics, and/or Aeneid.

**LAT 4310 Augustus: Reading the Ancient Sources (3)**

Pre-requisite(s): LAT 2310 and 2320; or consent of instructor

Readings in Latin on the life and times of the Roman emperor Augustus.

**LAT 4311 Latin Prose Composition (3)**

Pre-requisite(s): LAT 2320

Practice in analysis and composition of Latin prose to improve grammar and syntax and promote knowledge and appreciation of Latin prose style.

**LAT 4312 Statius in Medieval and Renaissance Latin Epic (3)**

Pre-requisite(s): LAT 2310; consent of instructor

The influence of Statius and his masterpiece, the Thebaid on Medieval Latin and vernacular epics.

**LAT 4V01 Readings from Latin Literature (1-3)**

Pre-requisite(s): Consent of instructor

Latin authors to be read are selected to meet the needs of the student. With content changed, this course may be repeated up to a total of nine semester hours.

**LAT 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Latin American Studies (LAS)

**LAS 1301 Latin American Nations and People (3)**

This course provides an interdisciplinary introduction to the cultural traditions and institutions of the Western Hemisphere, including Mexico, Central America, South America, and the Caribbean.

**LAS 2301 An Introduction to Latin American Studies (3)**

An interdisciplinary introduction to Latin American Studies.

**LAS 3390 Special Studies in Latin American Studies (3)****LAS 4350 Latin American Studies Seminar (3)**

An interdisciplinary seminar to focus on topics related to Mexico, Argentina, Brazil, Central America, and developing Latin American nations. This course can be taken more than once since its content is different every year.

**LAS 4351 The History of Gender in Latin America (3)**

Cross-listed as HIS 4350

See HIS 4350 for course information.

**LAS 4364 Traditional Music and Culture in Latin America (3)**

Cross-listed as MUS 4364

See MUS 4364 for course information.

**LAS 4390 Advanced Reading and Research in Latin American Studies (3)**

Advanced reading and research in Latin American studies. The content and methodology of this course should be approved by the Latin American Studies Committee.

## Leadership Development (LDS)

**LDS 1301 Introduction to Leadership (3)**

Provides insights into a student's present leadership strengths and developmental needs. Prepares students for leadership positions, focusing on topics such as a philosophy of leadership, the role of power and authority in leadership, and goal setting for leadership development.

**LDS 2301 Leadership and Vocation (3)**

Pre-requisite(s): LDS 1301

This course explores personal strengths, values and aspirations for influencing the world through a unique vocation or calling. Through this experience, students will become committed to their own personal growth as a human being, as well as to the personal growth of others in the class. In addition, applications of a variety of historical and contemporary perspectives on vocation and calling will be emphasized.

**LDS 3301 Organizational Leadership (3)**

This course is designed for student leaders with a desire to explore organizational theory and systems. The course will further develop a student's understanding of how these systems and theories influence culture, behaviors, and organizational effectiveness. Students will examine their own leadership styles and how that approach fits into the organization, its members, and mission.

**LDS 3302 Christian Leadership in Residential Communities (3)**

The purpose of this class is to explore how Christian Leadership can be used to develop residential communities. Specifically, we will explore how authentic Christian community is formed by leaders who employ techniques related to spiritual wellness, God-given strengths, relational approaches, inclusivity, and other aspects of community development. Using the Community Leader position at Baylor University as an experiential framework, this class will provide both philosophical and application opportunities to hone a student's ability to be a Christian leader of communities.

**LDS 3304 Peer Leadership for Health and Wellness (3)**

This course uses an experiential pedagogy to broaden students' development as leaders. Experiential learning provides a comprehensive approach to learning that integrates theory, practice, implementation, and reflection. Through your experience as peer leaders you will be challenged to examine your understanding of leadership, as well as reflect on your own leadership and that of others. In the Health and Wellness Leadership course specifically, students will gain a broad understanding of current health topics of college students and ways to properly address and respond to these topics in both a presentation and mentoring setting.

**LDS 3305 Peer Leadership for Community Engagement and Service (3)**

This course uses an experiential pedagogy to broaden students' development as leaders; a comprehensive approach to learning that integrates theory, practice, implementation and reflection. Through experience as a peer leader, students will examine their understandings of leadership, and reflect on their own and other's leadership development.

**LDS 3306 Peer Leadership for Student Experience (3)**

This course uses an experiential pedagogy to broaden students' development as leaders; a comprehensive approach to learning that integrates theory, practice, implementation and reflection. Through experience as a peer leader, students will examine their understandings of leadership, and reflect on their own and other's leadership development.

**LDS 3307 Leadership and Student Thriving (3)**

This course explores the topic of leadership by examining ideas about people at their best. Foundational to the course are principles from Positive Psychology about well-being, optimal functioning and thriving during the college years, as well as approaches to leadership that leverage individual strengths and passions. The class will focus on six themes: thriving in college and beyond, understanding yourself, leading yourself, understanding others, engaging in community, and living out leadership and calling.

**LDS 3308 Interfaith Leadership (3)**

This course will explore theoretical and practical issues related to leadership across and inclusive of different faiths. We will discuss various civic and spiritual practices related to leadership and religious identity. Students will consider their own sense of formation and worldview through reading, writing, class discussion, and co-curricular experiences in order to cultivate spiritual growth, civic capacity, and intercultural skills.

**LDS 3309 Mental Health Peer Leadership (3)**

This course uses experiential learning to educate Mental Health Peer Leaders on the pertinent topics of mental health and illness and to equip them to break down mental health stigma and empower their peers to also challenge negative beliefs or attitudes.

**LDS 3310 Talent and Development (3)**

Pre-requisite(s): LDS 2301 or CCS 2301

Talent, development, and success are fascinating topics, but few understand the theory and research behind what leads to excellence in any field. This course examines the science, theory, and research behind talent, development, success, critical thinking, and expertise. Students will learn what is known and unknown by scholars about these phenomena, as well as pathways for developing talent in themselves and others.

**LDS 3311 Leadership Through Informed Engagement (3)**

Pre-requisite(s): LDS 2301 or CCS 2301

This interdisciplinary course is designed to engage students in a critical conversation about leadership and community engagement. It challenges students to reflect on their understanding of leadership, community engagement, and the intersection of the two. Students will engage in this discussion drawing specifically on their experiences as a Baylor student. They will participate in critical discussions about what it means to participate in informed engagement.

**LDS 3312 Leadership for 21st Century America (3)**

Pre-requisite(s): LDS 2301 or CCS 2301

This course will address the changing demographics of our global community of the 21st century. The future of leadership will be complex in terms of practices that are impacted by a changing diversity of "world citizens" and it will demand an understanding of geographic, economic, cultural, political, religious, and linguistic mediums. This course will address these skills and areas of knowledge.

**LDS 3370 Aviation Leadership (3)**

See AVS 3370 for course information.

**LDS 3V01 Special Topics in Leadership (1-6)**

Pre-requisite(s): LDS 1301

Each Special Topics in Leadership course will focus on a specific area of leadership (e.g. Women in Leadership or Leadership in a Multicultural Society). May be repeated under different topic for a total of 9 credit hours.

**LDS 4398 Advanced Leadership (3)**

Pre-requisite(s): LDS 1301 or LDS 2301 or LDS 3V01

Leadership course focusing on advanced leadership theories and applying those theories in leadership practice.

## Library Science (LS)

**LS 3305 Children's Literature (3)**

An exploration of the development of a distinct literature for children. An analysis of books and illustrations for preschool through the elementary level. Reading, evaluation, and application of the various media for children.

**LS 4306 Curriculum Applications in Children's Literature (3)**

Research in the field of children's literature and its application to the elementary classroom, emphasizing activity approaches and curriculum planning.

**LS 4307 Multicultural Literature (3)**

Students will explore a framework for examining the impact and influence of cultural, linguistic, and ethnic diversity in literature. Instructional lessons and activities are developed with the goal of enhancing students' critical lens for increasing culturally relevant and affirming practices that are authentic, intentional, and engaging for learners.

**LS 4320 Young People's Literature (3)**

Reading and reacting to print and non-print media relevant to interests and problems of adolescents. Attention to interest and maturity levels, developmental values, curriculum uses, discrimination of literary tastes, and the dynamic significance of literature for young people.

## Lifetime Fitness (LF)

**LF 1104 Adaptive Lifetime Fitness (1)**

Pre-requisite(s): Departmental consent required

Lifetime fitness activity class for students needing accommodation due to injury or disability. Prior to registration, students must present a medical statement from their physician outlining both the nature of the disability and recommendations for a variety of exercises to be done in class. The individualized exercise program is a total-body program with appropriate accommodations. A physical therapy exercise protocol that does not require an attending physical therapist may be utilized in class sessions. Participation in physical therapy sessions in a clinical setting will not substitute for an activity class. There is no waiver of the LF requirement. Course may be repeated for credit if necessary due to ongoing medical condition. Course is graded pass-fail.

**LF 1106 Beginning Aerobics (1)**

Concepts of physical fitness and the development of movement routines are fundamental to this course. Material covered includes a basic understanding of fitness with various assignments relating to that knowledge. Purchase of a lab manual is required.

**LF 1107 Intermediate Aerobics (1)**

This course incorporates all of the aspects of the beginner course. In addition, it teaches complex dance/exercise routines to music and provides a vigorous and complete workout for the more advanced student. Purchase of a lab manual is required.

**LF 1109 Swimmercize Aerobics (1)**

This course provides an enjoyable alternative to exercising on land. A water exercise class is an extremely efficient means of achieving fitness (particularly muscle tone) while using the natural resistance of water to exercise your body to the music.

**LF 1110 Aerobic Walking (1)**

This course is designed to provide students with a fitness foundation through the means of walking. Students will be given a fitness assessment profile, develop an exercise program, and participate in a series of small group and individual walks of varying lengths conducted over various terrains. Walking techniques and fitness strategies will be stressed. Conditioning emphasis will be placed on stamina, strength, flexibility, body composition, and muscle endurance. Student's progress of fitness and walking skills will be monitored and assessed regularly to assure completion of their goals and objectives.

**LF 1111 Aerobic Running (1)**

Students must be capable of running a mile without stopping at the beginning of the course. This class provides runners the opportunity to train and increase aerobic running capacity. Workouts are designed to meet individual fitness levels and goals. Health-related fitness components, safety, injury prevention, and training programs will be taught. Students develop an ability to maintain a high degree of aerobic fitness through long-distance running.

**LF 1112 Backpacking and Camping (1)**

A course designed to teach the values of wilderness experiences and the knowledge and skill necessary for enjoyable and safe basic wilderness living. Topics receiving emphasis include: safety, fitness, ecology, clothing, equipment, food preparation, emergency care, navigation and survival.

**LF 1113 Advanced Wilderness Pursuits (1)**

Application of baseline knowledge of land based activities to more specialized/advanced pursuits like thru-hiking, winter and/or glacier travel, canyoneering, or long expedition-style backpacking experiences. Development of physical fitness and specialized skills, techniques, concepts, and terminology requisite in adventure pursuits. A multi-day wilderness experience is required.

**LF 1114 Beginning Badminton (1)**

A course designed to teach the fundamental skills in badminton including appropriate stroke mechanics, serving, strategy, game variations, equipment selection, and rules and regulations.

**LF 1115 Intermediate Badminton (1)**

This course allows students to refine the skills previously developed, to participate at a higher level of competition, including refereed games, to increase their knowledge of court strategy, and to improve physical conditioning through increased performance.

**LF 1117 Beginning Ballet (1)**

This is an introductory course to ballet. The course provides training in technique, body placement, movement theory and terminology. Progressive classical ballet barre center work and floor combinations enable students to train their bodies in the proper classical technique of basic ballet.

**LF 1118 Intermediate Ballet (1)**

This course reviews the material present in basic ballet. More advanced ballet moves are used in an effort to progress to more difficult ballet routines.

**LF 1119 Advanced Ballet (1)**

Pre-requisite(s): Departmental consent required

This course is designed for the student who has had advanced level experiences in school or private ballet academy or has successfully completed the intermediate ballet class. Skills include refining basic moves and extensive work on dance routines.

**LF 1121 Beginning Bicycling (1)**

An introductory course covering bicycling knowledge, skills, and safety. Class rides will be from eight to ten miles. Required equipment: bicycle (safe, dependable, functioning, ten or more speeds), approved helmet, and means of repairing flat tire (frame pump, tire tools, patch kit, and wrench to get hub nut off, if needed).

**LF 1122 Intermediate Bicycling (1)**

An advanced-level course covering bicycling knowledge, skills, and safety. Class rides will be ten to fourteen miles. Although LF 1121, Beginning Bicycling, is not a prerequisite, students are expected to have mastered basic bicycling skills before enrolling in this course. Required equipment: safe, dependable, efficient bicycle with ten or more speeds; approved helmet; tire pump (frame type); and basic tool kit.



**LF 1123 Beginning Mountain Biking (1)**

This course is designed to prepare students with the basic skills needed for a lifetime of enjoyable mountain bike riding. Students are provided with an overall view of mountain biking, rules of the trail and road, safety, riding technique, clothing, equipment, and basic bike maintenance. Emphasis will be placed on the development of skills necessary to safely climb, descend, and maneuver a mountain bike through technical areas on various terrains.

**LF 1124 Beginning Bowling (1)**

The instructional format for this course includes skill development in grip, stance, approach, and ball delivery. Ball selection, scoring, rules and regulations, and practice will also be important ingredients of this class.

**LF 1125 Intermediate Bowling (1)**

This course incorporates the concepts learned in the beginner class with increased analysis and corrective feedback of present bowling techniques. Additional performance time allows students to enhance their skills.

**LF 1128 Varsity Sports Conditioning I (1)**

Pre-requisite(s): Departmental consent required

This course is designated as an entry level course for varsity athletes participating in intercollegiate sports.

**LF 1129 Varsity Sports Conditioning II (1)**

Pre-requisite(s): Departmental approval required

This course is a continuation of Varsity Conditioning I and allows athletes the opportunity to demonstrate the skills and knowledge acquired in Varsity Conditioning I.

**LF 1130 Social Dance (1)**

Introduction to social dance for the purpose of developing a lifetime recreational activity, often linked to social and professional situations. Various styles of social dance, such as fox trot, waltz, swing, rock and roll, country western, cha-cha, and tango, will be covered.

**LF 1134 Fitness Theory and Practice (1)**

A comprehensive course designed for the student desiring an in-depth understanding of the concepts of physical fitness including strength development, muscular endurance, cardiovascular endurance, body composition, stress, mood modifiers, and nutrition. A variety of energetic, practical experiences are incorporated to enhance the lectures.

**LF 1138 Beginning Golf (1)**

This course offers the students the opportunity to develop skills appropriate to the enjoyment of this healthy, lifetime sport. Students learn the proper stance, grip, and swing techniques for all clubs, as well as rules, terminology, and equipment selection.

**LF 1139 Intermediate Golf (1)**

Pre-requisite(s): LF 1138 or departmental consent required

A course designed for students who already possess the basic skills and knowledge necessary to play golf. Topics at the intermediate level include rules, productive practice, mental aspects, course management, ball flight laws, and continued in-depth look at the short game and full swing. Video analysis is utilized to enhance student learning.

**LF 1140 Advanced Golf (1)**

Pre-requisite(s): Departmental consent required

This course is for those students who own a set of clubs and have a handicap of less than twenty.

**LF 1147 Beginning Jazz Dance (1)**

A dramatic, disciplined, and versatile style of theatrical dance. Students will gain a broader base for creative development, expression, and movement than ballet. The major concepts of jazz dance include principles of proper body alignment, strength, and flexibility development, and knowledge of movement theory.

**LF 1148 Intermediate Jazz Dance (1)**

The intermediate-level jazz class greatly strengthens and builds upon a student's dance technique, increases knowledge and application of body alignment, flexibility and muscle control. Intermediate level includes more complex progressions, dance combinations, choreography, dance routines, and teaching skills.

**LF 1151 Beginning Martial Arts (1)**

This is a course designed to improve beginning self-defense techniques. Skills include kicking, punching, blocking, and offensive and defensive maneuvers. Martial Arts improve strength flexibility, body control, and self-confidence.

**LF 1152 Intermediate Martial Arts (1)**

Pre-requisite(s): LF 1151 or departmental consent required

This course reviews material covered at the beginning level of Martial Arts. The practice of fluid movements, sweeps, throws, falling and rolling, joint-locks and beginning self-defense maneuvers are introduced. This course also develops kata applications and introduces free sparring.

**LF 1153 Advanced Martial Arts (4)**

Pre-requisite(s): LF 1152 or departmental consent required

Students must have successfully completed Intermediate Martial Arts or have special permission of the instructor to enter advanced class. The advanced class will focus on applying the techniques of self-defense, as well as introducing the strategy and tactics used in free sparring. New martial arts techniques appropriate for each skill level will also be taught.

**LF 1156 Beginning Racquetball (1)**

Equipment selection, safety procedures, serves, strokes, volley, court strategy, rules, and actual play are combined to give the basics needed for enjoyable and knowledgeable participation.

**LF 1157 Intermediate Racquetball (1)**

This course refines the basics and offers the more advanced student the opportunity for increased participation and analysis and corrective feedback. Advanced shots such as overhead, backwall, Z, and drills strategy.

**LF 1158 Paddle Sports (1)**

This course is designed to provide the student with the knowledge and skills needed to participate in and enjoy kayaking, canoeing and stand up paddle boarding (SUP) as lifetime fitness and recreational activities. Special emphasis will be given to the development of sound fundamental knowledge and skills such as paddling and steering techniques; rolling; fitting, care and use of equipment; personal safety and fitness skills; and reading moving water.

**LF 1159 Sailing and Canoeing (1)**

A highly enjoyable recreational activity that provides the basic skills of seamanship necessary to canoe or sail safely and efficiently. The course content includes nautical terminology, types of sailing vessels, proper sailing mechanics, weather conditions, and emergency first aid care. American Red Cross certification is available upon completion of the course.



**LF 1160 Beginning Rock Climbing (1)**

This course is intended to provide students with the fundamentals of rock climbing for lifelong leisure involvement. Course content will address personal fitness, knowledge of sport, equipment, climbing safety, and technique. The majority of this course will take place within the indoor rock wall environment but skills taught will be transferable to a top rope, outdoor environment.

**LF 1161 Intermediate Rock Climbing (1)**

Pre-requisite(s): LF 1160 or departmental consent required

This course is intended to provide students with intermediate rock climbing skills and practices including multi-pitch belaying and rappelling, anchor systems, partner and self-rescue, route finding, minimal impact climbing, climbing hazards, and safety, as well as an introduction to sport lead climbing (indoor lead climbing). The majority of this course will take place within the indoor rock wall environment. A class weekend field trip is required.

**LF 1162 Outdoor Adventure Sports (1)**

Introduction to a variety of outdoor adventure sports, e.g., mountain biking, cycling, canoeing, kayaking, caving, rock climbing, bouldering, hiking, ice climbing, snow-shoeing, and geocaching. Focus will be on two to four activities to develop the entry level skills and fundamental techniques necessary for lifelong engagement in those pursuits. The course may include an overnight culminating experience.

**LF 1163 Beginning Self Defense (1)**

Practical self-defense for people with no previous training in martial arts. The course will emphasize risk avoidance, risk recognition, and escape. The tactics and strategy of physical confrontation will be introduced - falling, throws, punching, blocking, and kicking.

**LF 1168 Soccer (1)**

A comprehensive course in the fundamentals of soccer including dribbling, passing, kicking, and tackling skills, offensive and defensive strategies, rules and regulations, and conditioning.

**LF 1169 Intermediate Self Defense (1)**

Pre-requisite(s): A minimum grade of C in LF 1151 or 1163

Intermediate self-defense strategy and tactics for students who have already been introduced to the basic techniques of karate and/or self-defense training.

**LF 1170 Advanced Self Defense (1)**

Pre-requisite(s): A minimum grade of C in LF 1152 or 1169

Advanced self-defense strategy and tactics for students who already have an intermediate level of skill in karate and/or self-defense training with an emphasis on self-defense in a professional setting (teacher, therapist, counselor, etc.).

**LF 1171 Softball (1)**

This course stresses the fundamentals of throwing, catching, fielding, batting, rules and regulations, equipment selection, drills, and actual play.

**LF 1175 Beginning Swimming (1)**

This course in basic water safety is designed to make adults reasonably safe while in or near the water. Topics include: physical and mental adjustment to water, breathing and breath holding, kick on front and back, buoyancy and body positioning, propulsion and coordinated stroking, entries to water, and personal safety.

**LF 1176 Intermediate Swimming (1)**

A course that develops correct stroke technique, introduction to breast stroke, side stroke, butterfly, turns, diving, basic and emergency water safety, and daily conditioning through lap swimming.

**LF 1177 Advanced Swimming (1)**

This course is designed for the swimmer possessing sufficient skills in aquatics to allow for an understanding of the hydrodynamic principles associated with six strokes. This course will enable the individual to increase physical conditioning by designing individualized programs incorporating distance and interval training techniques into daily swim routines. Emergency water safety is stressed.

**LF 1178 Lifeguard Training (1)**

Pre-requisite(s): Departmental consent required

An advanced aquatic course that prepares the individual to deal with life-threatening situations in various aquatic environments. Advanced swimming skills are required. Skill areas include assists, carries, defenses, releases, equipment rescues, facility safety, and many others. National Red Cross Lifeguarding certification is offered upon successful completion.

**LF 1179 Beginning Tai Chi (1)**

Beginning Tai Chi focuses on slow body movements used to improve balance, coordination, concentration, awareness and timing. Instruction follows a practical scientific approach yielding illustrations of applications for each of the movements in daily life. The classical Tai Chi form will be used as a model to facilitate the known benefits of exercise and stress reduction. Cardiovascular training, strength and flexibility training, balance and coordination are interval parts of Tai Chi training, as well as the meditative/stress management techniques that are a part of the form.

**LF 1181 Beginning Tennis (1)**

This course teaches the basics for tennis. Included are tennis terminology, rules and regulations, etiquette, equipment selection, serve, volley, ball control, forehand and backhand strokes. In-class practice of drills and individual play is provided.

**LF 1182 Intermediate Tennis (1)**

This class refines previously learned skills of ball control, serve, forehand and backhand strokes. Included in intermediate tennis is doubles play and class games and tournaments.

**LF 1183 Advanced Tennis (1)**

The advanced tennis player must possess a detailed knowledge and understanding of stroke mechanics and corrective drills, rules, equipment, and terminology. The advanced tennis class provides an opportunity for play with others of the same proficiency in the game. Refining strokes and physical conditioning are stressed.

**LF 1189 Volleyball (1)**

This exciting team sport incorporates knowledge of the rules and court strategy with skills such as setting, bumping, serving, and conditioning to make a well-rounded player.

**LF 1190 Multi-terrain Volleyball (1)**

Pre-requisite(s): LF 1189 or formal competitive play

For the student who has experience in volleyball through competitive play, Multi-terrain Volleyball offers analysis and development of techniques and game strategy for Wallyball, played in racquetball courts; Outdoor Volleyball, played on sand courts; and Indoor Volleyball. Emphasis is on refinement of skills of the game, conditioning, safety, court strategy, rules, and actual play for enjoyable and knowledgeable lifelong participation.

**LF 1192 Weight Control (1)**

A course designed to teach weight control through a combination of proper diet, nutritional advice, and exercise. Toning and conditioning your body is accomplished through weight training, circuit training and exercise routines performed to music.

**LF 1194 Beginning Weight Training (1)**

This course incorporates basic anatomic and physiological principles to specific lifts, exercises, muscles, and training techniques pertinent to the development of an individualized weight training program.

**LF 1195 Intermediate Weight Training (1)**

This course is designed for the advanced students and will review basic concepts covered in the beginning course. In addition, more advanced techniques and training principles will be incorporated into each student's individual exercise routine.

**LF 1197 Beginning Relaxation/Fitness (1)**

The beginning level provides a basic set of exercises which form the foundation of a regular daily routine. Relaxation techniques provide an effective approach to stress reduction. Emphasis is on improving postural alignment increasing strength, flexibility, endurance, improving concentration, and reducing stress.

**LF 1198 Intermediate Relaxation/Fitness (1)**

Pre-requisite(s): LF 1197 or departmental consent required

The intermediate level provides a comprehensive series of exercises designed to maintain the proper curvature of the spine, and to keep all systems of the body healthy. A wide range of intermediate exercises are presented for students to incorporate into their basic exercise routine. Therapeutic exercises are introduced for specific disabilities.

**LF 1199 Advanced Relaxation/Fitness (1)**

Pre-requisite(s): LF 1198 or departmental consent required

The advanced level is structured for the student who has developed strength, stamina and flexibility. Advanced exercises are introduced to maximize the potential for good health and vitality. Students learn to adapt the exercises to suit the various life cycles. Concentration on postural refinement is emphasized.

## Linguistics (LING)

**LING 1305 Language in Society (3)**

Core principles of language as a social act and its employment in the construction of social identity. Examines linguistic variation in relation to multilingualism and notions of gender, power, ethnicity, race, and social class.

**LING 1V99 Elementary Special Studies in Less-Commonly Studied Languages (2-4)**

Pre-requisite(s): For majors only

Consent of instructor. Study of a less-commonly studied language at the elementary level. May be repeated for a maximum total of sixteen hours with different content.

**LING 2V99 Intermediate Special Studies in Less-Commonly Studied Languages (2-4)**

Pre-requisite(s): For majors only

Consent of instructor. Study of a less-commonly studied language at the intermediate level. May be repeated for a maximum total of twelve hours with different content.

**LING 3310 Introduction to Linguistics (3)**

Cross-listed as ANT 3310, ENG 3310

See ENG 3310 for course information.

**LING 3311 English Words (3)**

Cross-listed as ENG 3301

See ENG 3301 for course information.

**LING 3312 Modern English Grammar (3)**

Cross-listed as ENG 3302

See ENG 3302 for course information.

**LING 3315 Sociolinguistics (3)**

Cross-listed as ENG 3305

Pre-requisite(s): Upper-level standing or consent of instructor

The study of language as it is used in its social context for marking an individual's group (e.g., race, gender, age, class, profession) membership.

**LING 3319 Language and Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The rich interaction between our language and cultural values in defining who we are and how we relate to one another. Understanding this complex interaction is seen as the key to effective cross-cultural communication.

**LING 3V99 Special Studies in Less-Commonly Studied Languages (2-3)**

Pre-requisite(s): For majors only

Consent of instructor. Study of a less-commonly studied language at the advanced level. May be repeated for a maximum total of six hours with different content.

**LING 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**LING 4302 Semantics and Pragmatics (3)**

Pre-requisite(s): LING 3310, ENG 3310, ANT 3310 or SPA 3309

Basic concepts, methods, and controversies in the study of word meanings, sentences, and discourse, including the interaction of language and context.

**LING 4303 Contemporary Syntax (3)**

Pre-requisite(s): ENG 3302 or LING 3312 or ENG/LING/ANT 3310 or SPA 3309

Principles of contemporary structural linguistics; concepts and operations of transformational syntax and case grammar as they are used to analyze the structure of language systems.

**LING 4305 Phonetics and Phonology (3)**

Pre-requisite(s): LING/ENG/ANT 3310 or SPA 3309

Principles and methods for studying sound systems of languages.

**LING 4311 Special Topics in Linguistics (3)**

Pre-requisite(s): Upper-level standing and consent of instructor

Topics in Linguistics not covered in the Language and Linguistics courses. Topic announced for each semester or session. Course can be repeated once with a change of topic and consent of the instructor.

**LING 4312 Old English Language (3)**

Cross-listed as ENG 4302

See ENG 4302 for course information.

**LING 4313 First Language Acquisition (3)**

Pre-requisite(s): LING 3310 or consent of instructor

Children's acquisition of sounds, lexicon, sentence structure, and contextual usage of their first language.

**LING 4314 History of the English Language (3)**

Cross-listed as ENG 4304

See ENG 4304 for course information.

**LING 4315 Psycholinguistics (3)**

Pre-requisite(s): LING/ENG/ANT 3310 or SPA 3309

Psychological processes involved in understanding, producing, and learning language; topics include speech perception, mental representations of language, the influence of language on thought, bilingualism, aphasia, and dyslexia.

**LING 4318 Second Language Acquisition (3)**

Pre-requisite(s): ENG 3302 or LING 3312 or LING 3310, ENG 3310, ANT 3310 or SPA 3309 or consent of instructor

Theories of language acquisition, taking into account such fields as linguistics, neuropsychology, psychology, sociology, and anthropology, as those disciplines illuminate the process of acquiring language. The course will also familiarize the student with problems and issues in the teaching of second languages.

**LING 4319 American English Dialects (3)**

Cross-listed as ENG 4319

Pre-requisite(s): LING 3310, ENG 3310, ANT 3310 or SPA 3309 or consent of instructor

Introduction to dialectology, focusing on the origins of American English dialects and their development through the spread of linguistic variation.

**LING 4V20 Independent Study in Linguistics (1-3)**

Pre-requisite(s): LING 3310, ENG 3310 or SPA 3309 and consent of instructor

Supervised individual research and study of a linguistic subfield or linguistics problem. Repeat once with change of topic for maximum of six hours.

**LING 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Management (MGT)

**MGT 3301 Managing People in Organizations (3)**

Pre-requisite(s): Junior standing

Cumulative GPA of 2.75 or higher. Not open to BBA students. This course is a cross-section of topics related to interacting with and managing people at work. It is designed to introduce non-business students to a survey of concepts related to people in the workplace. This course highlights fundamental concepts related to individual behavior, groups, and organizational processes.

**MGT 3305 Leadership & Organizational Behavior (3)**

Pre-requisite(s): Junior standing; Only open to BBA students

This course provides an introduction to the managerial and leadership processes through a study of the organization as a social system. Emphasis is placed on presenting practical skills that will facilitate the student's transition to the workplace. Topics examined include management and leadership philosophy, ethical decision making, employee motivation, work attitudes, teamwork and group dynamics, managerial communication, and organizational culture and change.

**MGT 3320 Distribution Management (3)**

Pre-requisite(s): MGT 3325 or concurrent enrollment; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course focuses on the distribution process from point of manufacturer to the point of use. Major topics include: evolution and trends in distribution, structure of durable and non-durable goods industries, types of distribution intermediaries, customers and market segmentation, function performed by distributors and their strategic allies, common financial terminology used in distribution, fundamental elements of distributor finance, alternative performance measures, application of technology to the distribution process, and the like.

**MGT 3325 Operations Management (3)**

Pre-requisite(s): A minimum grade of C in QBA 2302

Open only to BBA students. A survey of the most critical aspects of managing the operation of a business in order to efficiently produce and deliver goods and services to the customer. Topics include decision making, productivity management, inventory analysis, quality assurance, project management, supply chain management, enterprise resource planning, scheduling, and constraint management. This course emphasizes the latest management practices and utilizes computer simulations and other experiential exercises as learning tools. Students also participate in a hands-on project that requires them to apply the concepts learned in class to a real-world organization.

**MGT 3333 Procurement and Materials Management (3)**

Pre-requisite(s): MGT 3325 or concurrent enrollment; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course provides the student with the opportunity to analyze problems and issues encountered by managers as they consolidate buying power across the entire firm by aligning purchasing governance with corporate strategy, developing and communicating purchasing policies, streamlining tactical purchasing functions, and expanding the strategic responsibilities of purchasing. Mastery of the material presented in this course will enable the student to assist his or her firm in building, achieving, and sustaining purchasing organization.

**MGT 3335 Doing Business Across Cultures (3)**

Cross-listed as INB 3333

See INB 3333 for course information.

**MGT 3345 Introduction to Enterprise Systems Using SAP (3)**

Cross-listed as MIS 3345

Pre-requisite(s): A minimum grade of C in MGT 3325; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course utilizes SAP software to expose students to basic enterprise resource planning (ERP) concepts. Through this hands-on course, students will gain familiarity with the SAP interface and develop a better understanding of how ERP software integrates organizational data and key business processes to enhance organizational efficiency and decision-making, improve business intelligence, and enable cross-organizational linkages.

**MGT 4305 Principled Leadership (3)**

Pre-requisite(s): Junior standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This class is designed to challenge students to consider the principles they use or will use to lead others and contribute to positive change. Participants will discuss principles and examine role models that live out virtues that serve as the basis for servant leadership and ethical behavior.

**MGT 4320 Negotiating and Conflict Resolution (3)**

Pre-requisite(s): Only open to BBA students

Enhances individual effectiveness in the workplace through the provision of an advanced understanding of negotiating through the development of specific negotiating skills. Discussions and skill-building exercises in the class are focused broadly and include informal and formal negotiations between multiple departments, and so on. Because effective negotiating is fundamental to an individual's survival and prosperity within an organization, knowledge of negotiating concepts and development of negotiation skills are critical.

**MGT 4321 Campus Leadership Practicum (3)**

Pre-requisite(s): MGT 3302 or 3305

This course uses a transformational learning process to prepare current campus leaders for worldwide leadership and service. Course participants will increase self-awareness, enhance practical leadership skills, apply leadership practices to their campus organization, reflect on results, and receive professional leadership coaching. By the end of the course, participants will have evidence of change, improved leadership results, increased confidence to lead, and a stronger leadership network.

**MGT 4330 Project Management (3)**

Cross-listed as MIS 4330

Pre-requisite(s): MGT 3325; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course covers concepts and issues important in effective project management including project planning, budgeting, scheduling, auditing, project termination, and the role of the project manager. Methodologies for monitoring and controlling projects, risk analysis, and resource allocation are also presented. The student will learn how to apply Microsoft Project software to real life projects and learn how to manage projects effectively in both single and multi-project environments. This course is also designed to help the student prepare for certification as a Project Management Professional (PMP).

**MGT 4336 Human Resource Management (3)**

Pre-requisite(s): MGT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
A study of the human resource management profession. Specific functions to be studied include recruitment, selection, training and development, compensation, discipline, and equal opportunity laws and cases. Emphasis throughout is on the human resource manager's role in organizational effectiveness.

**MGT 4337 Human Resource Staffing and Employee Relations (3)**

Pre-requisite(s): MGT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
This course provides an overview of HR staffing systems from the acquisition of human resources through managing employee relations, with the aim of improving organizational effectiveness. Through hands-on activities and classroom discussions, students learn how to obtain and retain the right people in business. Topics such as labor market trends, job analysis, recruitment, interviewing, psychological testing, HR selection decision making, retention management, and labor relations are discussed. Major labor relations laws, grievance procedures, and labor-management cooperation are also covered.

**MGT 4338 Compensation Management (3)**

Pre-requisite(s): MGT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
A study of the total reward system. Topics examined include job content and context factors, job evaluation, wage surveys, wage and salary administration, incentives and non-cash benefits, and performance appraisals. Emphasis is on developing and maintaining an adequate and equitable compensation system for all employees.

**MGT 4340 Technology Entrepreneurship (3)**

Cross-listed as ENT 4340

See ENT 4340 for course information.

**MGT 4345 Global Supply Chain Management (3)**

Pre-requisite(s): MGT 3320, 3325, and 3333; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Focuses on the principles and techniques used by managers to plan, schedule, control and evaluate the supply chain management strategies of world-class organizations. Good supply chain management practices will lead to a competitive advantage, while poor practices will hurt firm performance. Methodologies for supply chain analysis are developed and applied to topics such as designing the supply chain network, planning demand and supply, planning and managing inventories, and coordination and technology in the supply chains. Special attention is given to understanding facilities, inventory, transportation, and information as key drivers of supply chain performance.

**MGT 4353 Social Entrepreneurship and Economic Development (3)**

Pre-requisite(s): Junior standing; not open to pre-business students  
Is capitalism good for the poor? This course examines the morality of capitalism, the role of institutions in perpetuating or eliminating absolute poverty, and the contextual challenges of entrepreneurship. Recognizing the socio-cultural, political, economic, and technological challenges of doing business in the third world, we use organizational theory to design for-profit ventures that use appropriate technologies to create sustainable solutions to social problems. Course projects are intended to produce organizations that will be partially owned and operated by the members of the communities that benefit from their goods and services.

**MGT 4355 Management Consulting (3)**

Pre-requisite(s): MGT 3325; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
This course is designed for individuals who are interested in business and management consulting. The course emphasizes the development of critical analysis skills that are useful in analyzing organizations and systems as well as resolving more personal problems and conflicts. Specific topics include cause/effect analysis, identifying root causes of problems, resolving critical conflicts, developing creative breakthrough solutions, and identifying and overcoming obstacles that prevent the implementation of solutions. Students apply the concepts learned in class to analyze actual organizations. Practicing management consultants are invited as guest speakers.

**MGT 4360 Managerial Field Experience (3)**

Pre-requisite(s): MGT 4336 and 4350; not open to pre-business students  
A practicum course that provides students with opportunities to apply concepts from previous management courses. Student teams work with managers to assist in routine management of a unit and/or to assist in solving specific managerial problems. Problems may be related to employee motivation, interdepartmental coordination, resistance to change, and so on.

**MGT 4395 Internship in Management (3)**

Pre-requisite(s): MGT 3305

The internship provides a framework for Management or Human Resource Management students to assess personal growth objectives, learn strengths and weaknesses in an organizational context, develop professional maturity, enhance their value proposition to employers, and evaluate and clarify career choices and directions. An application is required, and approved internships tend to be paid relevant to the student's MGT or HRM major.



**MGT 4396 Supply Chain Management Internship (3)**

Pre-requisite(s): MGT 3325

Supply Chain Management majors only. Not open to pre-business students. Internship in supply chain management; fulfilled in cooperation with a firm that provides the student opportunities to participate directly in activities such as distribution, purchasing and materials management, and supply chain management. An application is required, and approved internships tend to be paid and relevant to the student's SCM major.

**MGT 4398 Special Studies in Management (3)**

Pre-requisite(s): Consent of instructor and chair; not open to pre-business students

Independent study under the direct supervision of a management department faculty member.

## Management Info Systems (MIS)

**MIS 3150 Topics in Information Systems (1)**

Pre-requisite(s): A minimum grade of C in BUS 1305; or consent of instructor

A study of selected areas of information systems, including operating systems, personal and business application software, considerations in hardware and software, acquisition connectivity, multimedia, and other current issues. This course may be taken for a maximum of six semester hours if topic is different (or if each topic is different).

**MIS 3301 Introduction to Business Programming Logic (3)**

Pre-requisite(s): Credit or concurrent enrollment in MIS 3305, and a minimum grade of C in QBA 2302; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Study of object-oriented programming that focuses on developing business applications using a programming language like Visual Basic.Net. Topics include programming basics, typical programming structures, data structures, and error analysis.

**MIS 3305 Management Information Systems (3)**

Pre-requisite(s): A minimum grade of C in QBA 2302

Open only to BBA students. Examines the use of information and communication technologies (ICT) in organizational settings and gives a balanced perspective of MIS from the standpoint of the non-technical manager. Topics include acquisition, management, use and control of information systems and their impact on individuals, organizations and society. Emphasis is on the business manager's role in developing and managing information systems and the uses of ICT to create competitive advantage.

**MIS 3320 Systems Analysis and Design (3)**

Pre-requisite(s): Credit or concurrent enrollment in MIS 3301 and 3305; a minimum grade of C in QBA 2302; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

A study of the Systems Development Life Cycle with focus on the planning, analysis, and design phases. Explores the various tools and techniques used by systems analysts for process and data modeling as well as user interface design.

**MIS 3332 Control and Audit of Information Systems (3)**

Cross-listed as ACC 3331

Pre-requisite(s): A minimum grade of C in ACC 2304

Emphasizes the control and audit of information systems. Topics include accounting systems, controls and transaction processing, and IT auditing. The course should help students develop an appreciation of and motivation for proper information processing practices and controls.

**MIS 3341 Developing Client Server Applications (3)**

Pre-requisite(s): Minimum grade of C or better in both MIS 3301 and 3320

The course utilizes high-level object-oriented development tools such as Visual Studio.NET to teach application development techniques for local client-server and web-based environments. Topics such as server-side scripting, web design, web page security, and database access will be undertaken to enable students to build robust business software applications.

**MIS 3345 Introduction to Enterprise Systems Using SAP (3)**

Cross-listed as MGT 3345

See MGT 3345 for course information.

**MIS 3350 Introduction to Data Management and CRM (3)**

Pre-requisite(s): Students should have taken BUS 1305 or have general proficiency in MS Office tools

Open to all business majors, this course is designed to provide students with hands-on data management skills that will facilitate the effective use of Customer Relationship Management (CRM) technology.

Key components of this course include information modeling and database creation, querying and analyzing organizational data, and the management and analysis of customer information using CRM technology.

**MIS 4319 Mobile Application Development (3)**

Pre-requisite(s): Upper-level standing; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Study of applications development in a cross-platform mobile computing environment

**MIS 4320 Java Development (3)**

Pre-requisite(s): Grades of C or better in MIS 3301 and 3320; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Introduction to client-side application development using the Java programming language. Topics include object-oriented design, essential language syntax, and developing user, file, and Internet interfaces for business systems to support e-commerce initiatives.

**MIS 4321 Business Systems Development (3)**

Pre-requisite(s): Grades of C or better in both MIS 3301 and 3320; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Concentrates on business application development using traditional object-oriented development tools. Topics include essential language syntax, class modeling, and developing user, file, and database interfaces for business systems.

**MIS 4322 Advanced Python (3)**

Pre-requisite(s): MIS 3301; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Study of advanced topics in the Python programming language. Focus is on data analytics and data science using large data sets in an advanced IDE environment. Code source control taught using Git and Github.

**MIS 4330 Project Management (3)**

Cross-listed as MGT 4330

See MGT 4330 for course information.



**MIS 4340 Foundations of Database System Development (3)**

Pre-requisite(s): Not open to pre-business students  
BBA students must be admitted to the Business School in order to take this course. Concentrates on implementing systems and databases including physical database systems, data access, and database applications. Topics include: design issues; SQL; database administration; database integrity; security; selection; and implementation.

**MIS 4342 Fundamentals of Information Security (3)**

Pre-requisite(s): Grades of C or better in both MIS 3301 and 3320; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course provides students with a common body of knowledge in key information security knowledge domains. Topics include access controls; networks and telecommunications basics; cryptography; malicious attacks, threats, and vulnerabilities; monitoring and analysis; risk, response, and recovery; and security operations and administration. The course prepares entry-level professionals in both technical and non-technical disciplines with the key skills and concepts needed to contribute to the information security posture of their organization.

**MIS 4343 Advanced Database Management (3)**

Pre-requisite(s): MIS 4340; not open to pre-business students  
This course covers advanced topics in database design and implementation, including the storage, access, and management of business information to facilitate decision-making. Topics may include application data access using PL/SQL, advanced topics in database systems such as XML and data warehouses, and database administration topics.

**MIS 4344 Business Intelligence (3)**

Pre-requisite(s): A minimum grade of C in QBA 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Business Intelligence (BI) is the discovery of patterns and relationships hidden in large volumes of data. This hands-on course is designed to provide practical analytic skills that may be applied in almost any workplace. The course explores the analytical techniques for making intelligent business decisions in data-rich organizations. A key component of the course is the use of BI software tools with techniques such as correlation analysis, data visualization, linear regression, classification, and clustering to address common problems in marketing, customer relationship management, risk management, finance, and operations.

**MIS 4346 Foundations of Data Warehousing (3)**

Pre-requisite(s): MIS 4340 or consent of instructor; only open to BBA students  
This course covers techniques used to implement data structures that are optimized for organizational decision-making. A hands-on approach is used to cover the following data warehousing (DW) topics: basic concepts and architectures, DW modeling and physical design, ETL processes, and real-world DW uses such as OLAP queries and reporting tools and ad-hoc analysis of OLAP data.

**MIS 4350 Cyber Security Technology Factors (3)**

Pre-requisite(s): MIS 4342 or its equivalent; only open to BBA students  
This course provides a roadmap of the paths available to organizations for deploying various security devices and tools. The course goes beyond the narrow technical view and offers a full context for the deployment of security technologies. Six key areas of network security will be covered, with each section covering a tool that will play a part in a company's overall information assurance program.

**MIS 4355 Decision Making Using Excel (3)**

Pre-requisite(s): MIS 3305 or consent of instructor  
A computer applications course providing the tools necessary for manipulating, sharing, and presenting data to support business decision making. Topical coverage includes data analysis, multiple applications linking, simulation modeling, and decision making under uncertainty.

**MIS 4360 Fund of Data Visualization (3)**

Pre-requisite(s): QBA 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
Covers basic theories of cognition and data visualization, including understanding how data types influence the decision to use a particular representation, when to use various chart types, how to structure data visualizations, and visualization evaluation. Emphasis on ethical use of visualizations.

**MIS 4395 Internship in Information Systems (3)**

Systems

**MIS 4V98 Special Studies in Information Systems (1-6)**

Pre-requisite(s): Consent of instructor; not open to pre-business students

This course may be taken for one to six semester hours of credit.

## Marketing (MKT)

**MKT 3301 Marketing Concepts (3)**

Pre-requisite(s): Junior standing  
Cumulative GPA of 2.75 or higher. Not open to BBA students. This course is a foundational marketing course that features a decision-oriented overview of marketing in modern organizations. Students will be exposed to a broad introduction of marketing concepts, the role of marketing in society and in the firm, and the various factors that influence marketing decision making.

**MKT 3305 Principles of Marketing (3)**

Pre-requisite(s): Junior standing; Only open to BBA students  
Designed to present a picture of the development and present status of our marketing system, to analyze the marketing task, and to examine the major policies that underlie the various activities of marketing institutions.

**MKT 3310 Professional Selling and Communications (3)**

Pre-requisite(s): Only open to BBA students  
Not open to Pre-business majors. This course is organized around the ethical process of making informative and persuasive verbal presentations. Topics include presentation materials and formats, handling objections, reaching decisions, and servicing customers. The development of such skills is useful to any member of an organization who makes a presentation. Case study, videotaped role playing, professional speakers, and group interactions project the student into the real world of the business person and salesperson.

**MKT 3320 Advertising Procedures (3)**

Cross-listed as JOU 3320

Pre-requisite(s): MKT 3305

A survey of the entire field of advertising stressing knowledge of history, principles, objectives, and the psychological basis of advertising. Research techniques, media selection, campaigns, production methods, and space buying are treated in survey style.

**MKT 3325 Consumer Behavior (3)**

Co-requisite(s):

Pre-requisite(s): Only open to BBA students; BBA students must be admitted to the Business School in order to take this course

An interdisciplinary approach to the analysis and interpretation of consumer buying habits and motives and the resultant purchases of goods and services. The purchaser's psychological, economic, and sociocultural actions and reactions are stressed as they relate to a better understanding of consumption.

**MKT 3330 Marketing Research (3)**

Pre-requisite(s): MKT 3305 and a minimum grade of C in QBA 2302; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Systematic gathering, recording, and analyzing of data about problems relating to the marketing of goods and services. Emphasis is placed on the process of conducting marketing research and the relevant issues at each stage in the process and the role that generated data plays in aiding management decision making. Designing research studies, constructing questionnaires, choosing samples, analyzing research results, preparing reports, and improving the student's overall problem solving skills are stressed.

**MKT 3340 Nonprofit Marketing (3)**

Pre-requisite(s): Only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Applies marketing concepts to objectives of nonprofit organizations. Special attention is paid to fund raising, promotion, and strategic planning in the arts, education, and social issues.

**MKT 3341 Values Based Leadership in Sports (3)**

Pre-requisite(s): Minimum grade of C in MKT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course is designed to investigate the myriad of issues and ethical dilemmas facing the sports and fitness industry. Individuals will be challenged to examine personal values as they relate to sport and its application in our society.

**MKT 4199 Professional Selling Internship (1)**

Pre-requisite(s): MKT 3310 and consent of instructor; only open to BBA students

Internship in Professional Selling fulfilled in cooperation with a corporate partner in the area of sales; with the sponsoring company the student participates in formal sales training and education and directed activities in sales, promotion, and customer relationship management.

**MKT 4310 Sales Force Management/Leadership (3)**

Pre-requisite(s): MKT 3305 and MKT 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course deals with an examination of the common problems confronting the sales manager. Topics include recruiting, selecting, motivating, leadership and supervision, performance evaluation and coaching. Emphasis is placed on the personal and ethical side of management throughout the course. Case study, videotaped role playing and professional speakers enhance the learning process.

**MKT 4311 Professional Selling and Communications II (3)**

Pre-requisite(s): MKT 3310; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This class focuses on an in-depth study of advanced selling and sales management issues including developing and maintaining long-term customer relationships, alternative strategies, international sales strategies, national account management, supply chain management, financial analysis and sales force ethics. Case study, videotaped role playing and professional speakers are used throughout the course.

**MKT 4315 Retail Store Management (3)**

Pre-requisite(s): MKT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

Considers architecture of the store, layout, buying, pricing, display, sales promotion, stock control, and consumer services in general.

**MKT 4320 Marketing Channels (3)**

Pre-requisite(s): MKT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course focuses on the definitions, dimensions, and management of marketing channels representing the various companies involved in bringing products and services from their point of origin to consumption. Representing the company's routes to market, marketing channels are viewed as an interorganizational system involved in the task of making products and services available for consumption. The main emphasis of this course is on the initial design of such systems, and the on-going management of relationships between system participants. The course is organized around three key modules: understanding the nature of marketing channels, managing channel relationships, and examining major types of channel institutions.

**MKT 4321 Advertising Campaigns (3)**

Pre-requisite(s): MKT 3320; not open to pre-business students

A managerial approach to promotional campaign development with an emphasis on advertising strategy as a component of the total marketing mix. Students apply research techniques to target audience identification, media planning, and creative execution. A complete campaign will be designed for a specified client.

**MKT 4322 Multicultural Marketing in a Global World (3)**

Pre-requisite(s): MKT 3305; open only to BBA students; BBA students must be admitted to the Business School in order to take this course

This course will delve into today's marketing profession and its role in a global economy when it comes to reaching diverse consumer segments. Learning experience will combine business cases, theory, historical context, policy implications, and management issues centering on how businesses can effectively reach multicultural markets.

**MKT 4324 European Business Seminar (3)**

Pre-requisite(s): MKT 3305; BBA students must be admitted to the Business School in order to take this course

This seminar is conducted in Europe where students will participate in lecture/discussion sessions with executives of various multi-national and global corporations. Students will study the impact of the European Union and the European Common Currency (Euro) on world trade. Students will be exposed to marketing practices in several European countries and will gain insight into the cultural, social and political environments of each country visited.

**MKT 4325 International Marketing (3)**

Cross-listed as INB 4325

Pre-requisite(s): MKT 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course  
A study of the international dimensions of American enterprise and the background of the international environment. Includes international trade concepts, cultural dynamics, business customs, multinational markets, development markets, and influence of political, legal, and geographic factors on international marketing.

**MKT 4330 Marketing Analysis and Decision Making (3)**

Pre-requisite(s): MKT 3305; either FIN 3309 or 3310; and nine hours of additional marketing courses; only open to BBA students  
Marketing Analysis is the capstone marketing course for marketing majors. The purpose of the course is to help the student develop his/her ability to use the knowledge and analytical skills gained in other marketing and business courses. Emphasis will be on analysis and decision making utilizing a variety of cases and business situations.

**MKT 4340 Strategic Brand Management (3)**

Pre-requisite(s): MKT 3325 and MKT 3330; only open to BBA students  
An advanced Marketing elective that addresses important branding decisions faced by an organization. The course provides the student with an increased understanding of the important issues in planning and evaluating branding strategies; the appropriate theories, models, and other tools to make better branding decisions; and a forum to apply these principles.

**MKT 4341 Professional Selling & Communications for Sports II (3)**

Pre-requisite(s): MKT 3310; only open to BBA students  
In-depth study of advanced selling and sales management issues pertaining to sports products and services. Includes developing/maintaining long-term customer relationships, account management, supply chain issues, financial analysis, and sales force ethics. Learning tools include case study, role playing, and interaction with executives in professional sports.

**MKT 4342 Sports Marketing Analytics (3)**

Pre-requisite(s): MKT 3325, MKT 3330 or consent of instructor of department chair  
Provides a framework for understanding and analyzing fan behavior to apply actionable customer insights to the marketing, promoting, and selling of sports tickets, partnerships, merchandise, and media. Students learn to use analytical tools to report, explain and predict fan behavior.

**MKT 4350 Digital Marketing (3)**

Pre-requisite(s): MKT 3330; only open to BBA students  
This course is designed to provide a well-rounded overview of digital marketing strategies. A major focus of the course will be in the practical application of tactics in support of basic business strategies as they apply to the online world of marketing, including search engine optimization, social media sites, content development, email and emerging technologies, among other digital based topics. Particular focus will be given to creation of content, management of campaigns, engagement with consumers, and measurements of success for digital marketers.

**MKT 4360 Customer Analytics (3)**

Pre-requisite(s): MKT 3330 or QBA 3305; only open to BBA students; BBA students must be admitted to the Business School in order to take this course

This course will enable students to: apply basic skills in data manipulation and visualization using various software packages, analyze customer data with the help of different statistical tools and techniques and use the findings from data analyses to make managerially relevant marketing decisions anchored in Customer Analytics.

**MKT 4395 Marketing Internship (3)**

Pre-requisite(s): Upper level standing; not open to pre-business students  
Marketing majors only. Internship in Marketing fulfilled in cooperation with an approved organization. With the sponsoring organization the student participates in formal training and education and directed activities in marketing, promotion, and customer relationship management.

**MKT 4396 Sports Marketing Internship I (3)**

Pre-requisite(s): Must be a major in Sports Sponsorship and Sales or consent of department chair  
Internship in sports marketing field; typically fulfilled in cooperation with the University's Athletic Department; student participates in directed activities pertinent to personal selling, promotion, direct response advertising, and customer relationship management.

**MKT 4397 Sports Marketing Internship II (3)**

Pre-requisite(s): Must be a major in sports sponsorship and sales or consent of department chair  
Internship in sports marketing field; fulfilled in cooperation with either a professional sports team or corporate sports sponsor; student participates in directed activities pertinent to personal selling, promotion, direct response advertising, and customer relationship management.

**MKT 4398 Directed Studies in Marketing (3)**

Pre-requisite(s): Consent of marketing adviser and department chair; marketing majors only; not open to pre-business students  
Independent study under the direct supervision of a marketing department faculty member. Applications must be submitted and approved prior to registration.

**MKT 4V98 Special Studies in Marketing (1-4)**

Pre-requisite(s): Consent of instructor; Only open to BBA students  
Independent study of Marketing to include conducting a literature review, focus groups, in-depth interviews, web-surveys, and developing a training program.

## Mathematics (MTH)

**MTH 1220 Algebra Review (2)**

Algebra review for students who need to take MTH 1320 (pre-calculus) but are not ready for MTH 1320. Topics include solving equations and inequalities, polynomials, rational functions, exponential functions, and logarithms. Begins 5 weeks into the semester. Does not apply on major. Does not satisfy the mathematics requirement for any degree.

**MTH 1301 Ideas in Mathematics (3)**

Significant ideas of mathematics. Topics will be chosen from: voting theory, apportionment, financial analysis, linear and exponential growth, statistics and opinion polls. Designed primarily for liberal arts students. Does not apply toward the major.

**MTH 1308 Precalculus for Business Students (3)**

A study of the types of function that arise in business calculus, including linear, quadratic, and other polynomial functions, rational functions, and exponential and logarithmic functions. Does not apply on the Arts and Sciences mathematics requirement nor on a mathematics major. Credit may not be received after receiving credit in MTH 1320.

**MTH 1309 Calculus for Business Students (3)**

Prerequisite(s): A grade of C or better in MTH 1320 or MTH 1308 or a satisfactory performance on the SAT or RSAT or the ACT or the ALEKS. Differentiation of rational, exponential, and logarithmic functions of one and several variables, integration of functions of one variable, and applications to business problems. Does not apply on the major. Credit may not be received after receiving credit in MTH 1321.

**MTH 1315 Patterns, Relationships, and Number Concepts (3)**

Pre-requisite(s): School of Education Curriculum and Instruction majors only

Advanced perspectives on topics taught in grades EC-8 including number concepts, patterns, and functions. Does not satisfy the liberal arts mathematics requirement and does not apply toward the mathematics major.

**MTH 1316 Geometry and Measurement (3)**

Pre-requisite(s): A grade of C or above in MTH 1315

A continuation of MTH 1315. Topics in MTH 1316 will be geometric figures, motions of geometry, and measurement. Does not apply toward the mathematics major.

**MTH 1320 Precalculus Mathematics (3)**

Pre-requisite(s): Either a score of 61 or better on the ALEKS; or a satisfactory score on either the RSAT Math, SAT Math, or ACT Math Basic concepts of college algebra, trigonometry, and elementary functions and an introduction to limits. Satisfactory performance on a department examination. Designed as preparation for MTH 1321; does not apply on the major.

**MTH 1321 Calculus I (3)**

Pre-requisite(s): Either MTH 1320 with a grade of B- or better; or a score of 80 or better on the ALEKS; or a satisfactory score on either the RSAT Math, SAT Math, or ACT Math  
Differential calculus of a single variable. Introduction to the definite integral and the Fundamental Theorem of Calculus.

**MTH 1322 Calculus II (3)**

Pre-requisite(s): A grade of C or above in MTH 1321  
Integral calculus of a single variable, differential equations, slope fields, and power series.

**MTH 2311 Linear Algebra (3)**

Pre-requisite(s): A grade of C or above in MTH 1322  
Vectors, matrix operations, linear transformations, fundamental properties of vector spaces, systems of linear equations, eigenvalues, and eigenvectors.

**MTH 2316 Algebra and Functions (3)**

Pre-requisite(s): A grade of C or above in MTH 1316 or concurrent enrollment  
Designed for the prospective teacher seeking mathematics certification for grades 4-8. A study of the algebraic and transcendental functions which play a primary role in calculus. An emphasis will be placed on mathematical models which arise from lab-based activities, on connections to areas within and outside of mathematics, and on developing the ability to communicate mathematical ideas to individuals at various levels. Does not apply toward the mathematics major.

**MTH 2317 Functions and the Mathematics of Change (3)**

Pre-requisite(s): A grade of C or above in MTH 2316  
Designed for the prospective teacher seeking mathematics certification for grades 4-8. A continuation of MTH 2316. An investigation of the derivative and integral from an algebraic, geometric, and numerical perspective. Credit may not be received after completion of MTH 1321. Does not apply toward the mathematics major.

**MTH 2321 Calculus III (3)**

Pre-requisite(s): A grade of C or above in MTH 1322  
Differential and integral calculus of several variables, Green's Theorem.

**MTH 2V90 Introduction to Research in Mathematics (1-3)**

Pre-requisite(s): Consent of Instructor  
Beginning independent study or research in topics not available in other courses. May be repeated for a maximum of 3 hours.

**MTH 3300 Foundations of Mathematics (3)**

Pre-requisite(s): A grade of C or above in MTH 1321  
Core concepts of advanced mathematics: proofs, induction, sets, functions, equivalence relations, divisibility, modular arithmetic, real numbers, sequences and limits.

**MTH 3312 Foundations of Combinatorics and Algebra (3)**

Pre-requisite(s): A grade of C or above in MTH 3300 or departmental consent required  
Elementary counting principles, fundamental properties of the integers, the ring of integers modulo  $n$ , rings of polynomials, and an introduction to groups, rings and fields.

**MTH 3318 Data and Chance (3)**

Pre-requisite(s): A grade of C or above in MTH 1316  
Designed for the prospective teacher seeking an EC-4 mathematics certification. Core ideas from probability and statistics, including collection of data, patterns in data, and inference from data, in an active lab-like environment. Credit may not be received after completion of MTH 2381 or MTH 3381. Does not apply toward the mathematics major.

**MTH 3323 Introduction to Analysis (3)**

Pre-requisite(s): A grade of C or above in MTH 2321 and MTH 3300  
A rigorous treatment of the real number system, sequences of real numbers, limits, continuous functions, and elements of differentiation and integration.

**MTH 3324 Numerical Methods (3)**

Cross-listed as CSI 3324  
See CSI 3324 for course information.

**MTH 3325 Ordinary Differential Equations (3)**

Pre-requisite(s): A grade of C or above in MTH 2321 or concurrent enrollment  
Differential equations of first order, linear equations of order two and higher, introduction to power series methods, elements of the Laplace Transform, some facts from linear algebra and systems of differential equations.

**MTH 3326 Partial Differential Equations (3)**

Pre-requisite(s): A grade of C or above in MTH 2321 and 3325  
Partial differential equations of physics, the method of separation of variables, orthogonal sets of functions, Fourier Series, boundary value problems, Fourier integrals and applications.

**MTH 3327 Partial Differential Equations for the Social Sciences (3)**

Pre-requisite(s): C or better in MTH 3325 and C or better in MTH 2321  
Introduction of partial differential equations that model social behavior, from crowd dynamics to optimal control  
Topics include linear and nonlinear transport equations, Hamilton-Jacobi equations, and diffusions, with some applications to game theory.



**MTH 3340 Mathematics through Technology (3)**

Pre-requisite(s): Credit for twelve hours of mathematics courses, at least three hours of which are at the 2000 level or above

(This prerequisite cannot be satisfied using any hours transferred in under the generic titles MTH 1000 or MTH 2000.) Designed for the prospective mathematics teacher seeking certification for grades 4-8 or 8-12. Use of technology to explore, communicate, and reinforce mathematical concepts and problem solving from several areas of mathematics. Attention given to graphing calculators, interactive geometry computer packages, computer-based algebra packages, and spreadsheets or statistical packages. Written and oral presentations. Does not apply toward the mathematics major.

**MTH 3345 Intermediate Logic (3)**

Cross-listed as PHI 4345

See PHI 4345 for course information.

**MTH 3350 Structure of Modern Geometry (3)**

Pre-requisite(s): A grade of C or above in MTH 2311 or 2317

A study of the foundations of Euclidean geometry by synthetic methods with a brief introduction to non-Euclidean geometry.

**MTH 3351 Proof and Reasoning in Mathematics for Middle School Math Teachers (3)**

Pre-requisite(s): A grade of C or better in both MTH 2317 and 3318, or concurrent enrollment

Concepts taken from probability and statistics, algebra and number concepts, and Euclidean and non-Euclidean geometry, with a focus on the role and history of proof and reasoning as the cornerstone in arriving at mathematical conclusions. Does not apply toward the mathematics major or as a secondary mathematics elective.

**MTH 3370 Mathematical Methods of Operations Research (3)**

Pre-requisite(s): A grade of C or above in MTH 2311

A survey of models and methods used in operations research. Topics include linear programming, dynamic programming, and game theory, with emphasis on the construction of mathematical models for problems arising in a variety of applied areas and an introduction to basic solution techniques.

**MTH 3374 Introduction to Mathematical Modeling (3)**

Pre-requisite(s): A grade of C or above in MTH 1322 or in both MTH 2317 and 3318

An introduction to the process of mathematical modeling, including problem identification, model construction, model selection, simulation, and model verification. Individual and team projects.

**MTH 3V90 Advanced Undergraduate Research in Mathematics (1-3)**

Pre-requisite(s): Consent of Instructor

Advanced independent study or research in topics not available in other courses. May be repeated for a maximum of 3 hours.

**MTH 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**MTH 4312 Cryptology (3)**

Pre-requisite(s): A grade of C or above MTH 3300 or CSI 2350; or consent of instructor

Introduction to cryptology, the study of select codes and ciphers. Included is a historical context, a survey of modern crypto systems, and an exposition of the role of mathematical topics such as number theory and elliptic curves in the subject. Mathematical software will be available.

**MTH 4313 Number Theory (3)**

Pre-requisite(s): A grade of C or above in MTH 3300 or consent of instructor

Algebraic number theory including linear Diophantine equations, distribution of primes, congruence, number theoretic functions, Euler's and Wilson's theorems, Pythagorean triples, Mersenne and Fermat primes, Fibonacci numbers, and sums of squares. Continued fractions, quadratic reciprocity, Mobius inversion, Bertrand's postulate, prime number theorem, and zeta function may also be included.

**MTH 4314 Abstract Algebra (3)**

Pre-requisite(s): A grade of C or above in MTH 2311 and MTH 3312; or consent of instructor

Fundamentals of group, ring, and field theory. Topics include permutation groups, group and ring homomorphisms, direct products of groups and rings, quotient objects, integral domains, field of quotients, polynomial rings, unique factorization domains, extension fields, and finite fields.

**MTH 4316 Linear Algebra and Matrix Theory (3)**

Pre-requisite(s): A grade of C or above in MTH 2311 and MTH 3300

Matrix calculus, eigenvalues and eigenvectors, canonical forms, orthogonal and unitary transformation, and quadratic forms. Applications of these concepts.

**MTH 4322 Numerical Analysis (3)**

Cross-listed as CSI 4322

Pre-requisite(s): A grade of C or above in MTH 2321

Numerical evaluation of derivatives and integrals, solution of algebraic and differential equations, and approximation theory.

**MTH 4324 Systems of Ordinary Differential Equations (3)**

Pre-requisite(s): MTH 3325 and MTH 2311

A continuation of MTH 3325 with emphasis on systems of ordinary differential equations. Topics include matrix and first order linear systems of differential equations, eigenvalues and eigenvectors, two-dimensional autonomous systems, critical point analysis, phase plane analysis, Liapunov, stability theory, limit cycles and Poincare-Bendixson theorem, periodic solutions, perturbation methods, and some fixed point theory.

**MTH 4326 Advanced Calculus I (3)**

Pre-requisite(s): A grade of C or above in MTH 2321 and MTH 3323 or consent of instructor

The real and complex number systems, basic topology, numerical sequences and series, continuity, differentiation, integration, sequences and series of functions.

**MTH 4327 Advanced Calculus II (3)**

Pre-requisite(s): A grade of C or above in MTH 4326

Line and surface integrals, Green, Gauss, Stokes theorems with applications, Fourier series and integrals, functions defined by integrals, introduction to complex functions.

**MTH 4328 Numerical Linear Algebra (3)**

Cross-listed as CSI 4328

Pre-requisite(s): A grade of C or above in MTH 2311

Numerical methods for solution of linear equations, eigenvalue problems, and least squares problems, including sparse matrix techniques with applications to partial equations.

**MTH 4329 Theory of Functions of a Complex Variable (3)**

Pre-requisite(s): A grade of C or above in MTH 2321

Number systems: the complex plane; fractions, powers, and roots; analytic functions; elementary functions; complex integration; power series; mapping by elementary functions; calculus of residues.



**MTH 4343 Topics in Mathematics for Prospective Teachers (3)**

Pre-requisite(s): A grade of C or above in MTH 3312, 3323, or 3350  
Prospective middle and secondary school mathematics teachers engage in an in-depth analysis of mathematical topics encountered in the middle and secondary curriculum. Does not apply toward the mathematics major.

**MTH 4375 Linear Programming (3)**

Pre-requisite(s): A grade of C or above in MTH 2311 and 3370  
An introduction to the theory and applications of linear programming, including the simplex algorithm, duality, sensitivity analysis, parametric linear programming, and integer programming, with applications to transportation, allocation problems, and game theory.

**MTH 4V90 Topics in Mathematics (1-3)**

Pre-requisite(s): Consent of instructor  
Topics in contemporary mathematics not covered in other courses. May be repeated once for credit if content is different.

**MTH 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Mechanical Engineering (ME)

**ME 2320 Statics (3)**

Pre-requisite(s): A grade of C or better in MTH 1321; a grade of B or better in EGR 1302; a grade of C or better or concurrent enrollment in PHY 1420  
Study of forces, moments, free-body diagrams, friction, equilibrium, first and second moments of lines, centers of pressure, mass and gravity, and moments of inertia.

**ME 2321 Dynamics (3)**

Pre-requisite(s): A grade of C or better in ME 2320, PHY 1420 and MTH 1322  
Kinematics and kinetics of particles and rigid bodies including Newton's Second Law, work-energy methods, impulse-momentum, and central and oblique impact.

**ME 2345 Thermodynamics (3)**

Pre-requisite(s): A grade of C or better in MTH 1322; a grade of B or better in EGR 1302  
Thermodynamic properties, heat and work, first and second laws, processes, ideal and non-ideal cycles.

**ME 3122 Materials and Manufacturing Processes Lab (1)**

Pre-requisite(s): A grade of C or better in both ME 3320 and ME 3420 and a grade of C or better or concurrent enrollment in ME 3322  
Laboratory experiments in strength of materials, property of materials, and manufacturing processes. Application of statistics and probability to material properties and manufacturing.

**ME 3145 Thermal/Fluids Laboratory (1)**

Pre-requisite(s): A grade of C or better in ME 3420 and a grade of C or better or concurrent enrollment in ME 3321  
Laboratory measurements of devices and systems in thermodynamics and fluid mechanics. Physics and operation of temperature, pressure, and flowrate measurement devices, and application of measurement concepts to analyzing the performance of pumps, pipe networks, airfoils, and thermodynamic cycles.

**ME 3320 Strength of Materials (3)**

Pre-requisite(s): A grade of C or better in ME 2320 and MTH 2321  
Introduction of stress and strain, stress transformations, analysis of stresses, strain, and deflections in axial members, beams, and torsional shafts. Analysis of pressure vessels.

**ME 3321 Fluid Mechanics (3)**

Pre-requisite(s): A grade of C or better in ME 2345 and MTH 3325  
Introductory concepts of fluid motions, fluid statics, control volume forms of basic principles, and applications basic principles of fluid mechanics to problems in viscous and compressible flow.

**ME 3322 Mechanical Engineering Materials and Manufacturing Processes (3)**

Pre-requisite(s): A grade of C or better in CHE 1301 and ME 3320  
Properties of the principal families of materials used in mechanical engineering design with an introduction to the manufacturing processes used to convert these materials into finished products.

**ME 3323 Machine Design (3)**

Pre-requisite(s): A grade of C or better or concurrent enrollment in ME 3322  
The fundamentals of machine elements in mechanical design. Includes the analysis of components under static and fatigue loadings, and the analysis, properties, and selection of machine elements such as shafts, gears, belts, chains, brakes, clutches, bearings, screw drives, and fasteners.

**ME 3345 Advanced Thermodynamics (3)**

Pre-requisite(s): A grade of C or better in ME 2345  
Second law analysis, gas power cycles, vapor power cycles, refrigeration cycles, property relations, gas mixtures, gas-vapor mixtures, combustion, design of cycles. (3-0 )

**ME 3420 Instrumentation and Measurements (4)**

Pre-requisite(s): A grade of C or better in ELC 2320 or ELC 2330 and a grade of C or better in ME 2345 and STA 3381  
Introductory mechanical engineering laboratory experience: measurement system concepts, statistical and uncertainty analyses, survey of measurement devices, experimental design and planning.

**ME 4305 Sustainable Engineering (3)**

Pre-requisite(s): A grade of C or better in EGR 3380  
This is an introduction to the context, concepts, and practice of sustainable engineering, and the importance of sustainable systems in the modern world. Topics will include an overview of resources and sustainability, technological systems, complexity, industrial ecology, green design principles, and life cycle assessment.

**ME 4320 Computer-Aided Structural Analysis (3)**

Pre-requisite(s): A grade of C or better in ME 3320  
Structural analysis using the matrix stiffness method with applications to 2-dimensional and 3-dimensional beams, trusses and plates.

**ME 4322 Computer-Aided Engineering and Design (3)**

Pre-requisite(s): A grade of C or better in EGR 3380  
Design and analysis of engineering components and systems using interactive computer programs with emphasis on computer simulation.

**ME 4323 Mechanical Vibrations (3)**

Pre-requisite(s): A grade of C or better in ME 2321, ME 3320 and MTH 3325  
The theory and analysis of vibrating systems including single and multi-degrees of freedom, free and forced, vibrations, with and without damping.

**ME 4324 Introduction to Finite Element Methods (3)**

Co-requisite(s):

Pre-requisite(s): A grade of C or better in MTH 3325

Introduction to the basic theory and techniques of finite element analysis beginning from energy concepts and the foundational constitutive equations. Engineering applications will focus on one- and two-dimensional formulations for classical beams, frames, trusses and electrical network applications. Introduction to typical workflow of finite element analysis using modern computer technologies.

**ME 4325 Dynamic Systems (3)**

Pre-requisite(s): A grade of C or better in ME 2321, MTH 2311, and MTH 3325 and a grade of C or better or concurrent enrollment in ME 4327

Theory, analysis and simulation of dynamic systems including application of Newton's Laws and conservation of energy to model single and multiple degree-of-freedom mechanical and other dynamic engineering systems. Solutions obtained using advanced engineering mathematics and computational software.

**ME 4327 Numerical Methods for Engineers (3)**

Pre-requisite(s): A grade of C or better in ME 2321, MTH 2311 and MTH 3325

Introduction to engineering computational methods for design, from theory to algorithm to implementation. The course will discuss the following numerical methods from the engineering design perspective: roots of equations, optimization, linear systems, integration and differentiation, curve-fitting, and systems of ordinary differential equations.

**ME 4330 Introduction to Robotics (3)**

Cross-listed as ELC 4330

See ELC 4330 for course information.

**ME 4335 Mechanical Engineering Laboratory (3)**

Pre-requisite(s): A grade of C or better in ME 3345, ME 4345, PWR 3300, and STA 3381

Measurement of fluid flow, heat transfer, power and other properties of mechanical equipment. Design of experiments, selection and use of data acquisition systems, data reporting and presentation.

**ME 4336 Energy Systems Design (3)**

Pre-requisite(s): A grade of C or better in or concurrent enrollment in ME 4345

Design and analysis of thermal energy systems such as pipe networks, HVAC systems, and steam power plants. Specification of energy system components such as pumps, pipes, control valves, and heat exchangers.

**ME 4337 Introduction to Computational Fluid Dynamics (3)**

Pre-requisite(s): A grade of C or better in ME 3321

Study of numerical methods tailored to solve thermo-fluids governing equations. Classification of partial differential equation (PDE). Finite difference method. Basic concepts of discretization, consistency, and stability. Applications of numerical methods to selected model PDE. Numerical methods for inviscid flow, boundary-layer flow, and the Navier-Stokes equations. supersonic compressible and subsonic incompressible flows.

**ME 4339 Tribology (3)**

Pre-requisite(s): A grade of C or better in ME 3321

Experimental, analytical, and computational analysis of tribology, which is the study of friction, lubrication, wear, and fatigue between contacting and sliding surfaces. Topics include the nature of rough surfaces, contact mechanics between nonconformal and nominally-flat surfaces, nature of friction, lubricants and lubrication theory, and surface damage and fatigue. Computational analyses of surfaces and lubricant flow will be performed using Python.

**ME 4344 Composite Materials (3)**

Pre-requisite(s): A grade of C or better in ME 3322

Introduction to advanced fiber-reinforced composite materials for engineering design. Topics include applications, material properties, stress analysis techniques, failure theories, and design methodologies.

**ME 4345 Heat Transfer (3)**

Pre-requisite(s): A grade of C or better in ME 3321

Steady and unsteady heat conduction including numerical solutions, thermal boundary layer concepts and applications to free and forced convection. Thermal radiation concepts. Heat exchanger design.

**ME 4346 Introduction to Aeronautics (3)**

Pre-requisite(s): A grade of C or better in ME 2321 and a grade of C or better or concurrent enrollment in ME 2345

Introduces the applied science of atmospheric flight. The course teaches about airplanes and how they fly from a design and application perspective. Included are topics in fluid dynamics, airfoil and wing theory, aircraft performance, stability, and aircraft design.

**ME 4347 Analysis and Design of Propulsion Systems (3)**

Pre-requisite(s): A grade of C or better in ME 3321 and ME 2345

Introduction to compressible flow, including flows with simple area change, heat addition, friction, and shock waves. Analysis, parametric design, and performance of ramjets, turbojets, turboprops, and turboprops. Introduction to the operating principles of major engine components. Introduction to rockets.

**ME 4349 Aircraft Structural Analysis (3)**

Pre-requisite(s): A grade of C or better in ME 3320 and ME 3322

Introduction to aircraft structures, including semi-monocoque and thin-walled structures, and the analysis techniques for these specialized structures. Understand the basis for airworthiness certification, aircraft loads, and design considerations in aerospace structures. Topics include elasticity, torsion, bending and shear stresses in thin walled structures; shear flow, and shear center.

**ME 4350 Aircraft Flight Dynamics and Control (3)**

Pre-requisite(s): C or better in ME 4346 and ME 4325

Development of aircraft equations of motion. Examination of aircraft dynamic modes based on both limited and full degree of freedom models utilizing analytical and numerical methods. Aircraft design considerations. Determination and evaluation of aircraft flying qualities. Application of control system theory to the design of aircraft stability augmentation systems and autopilots.

**ME 4356 Introduction to Space Flight (3)**

An interdisciplinary introduction to the basics, concepts, methods, and applications of space flight. Topics include fundamental principles, history, space environment, orbital mechanics, launch vehicles, propulsion systems, spacecraft (e.g., satellites, probes, space stations), applications (Earth observation, astronomy, interplanetary exploration, commercial utilization), international space efforts, regulations, and future activities.

**ME 4357 Cardiovascular Engineering and Instrumentation (3)**

Cross-listed as BME 4357, EGR 4357, ELC 4357

See BME 4357 for course information.

**ME 4360 Renewable Energy Devices (3)**

This course is designed for senior undergraduate students from engineering disciplines and is intended to educate students in the design and application of various renewable energy sources, materials, and devices. It will introduce the basic concepts, principles, potential, and limitations of several energy conversion and storage devices with a focus on solar cells, fuel cells, batteries, and supercapacitors, with real world examples.

**ME 4364 Introduction to Additive Manufacturing (3)**

Co-requisite(s): ME 3322

This course introduces various aspects of additive manufacturing, which has become prominent in industry over the past two decades. The aim of this course is to give the students a basic understanding of additive manufacturing and its use in design, both for rapid prototyping and for functional manufacturing. Specifically, this course will highlight the advances that additive manufacturing makes upon traditional manufacturing techniques.

**ME 4377 Solar Energy (3)**

Cross-listed as ELC 4377

See ELC 4377 for course information.

**ME 4382 Selection of Materials and Manufacturing Processes in Design (3)**

Pre-requisite(s): A grade of C or better in ME 3320, ME 3322, and ME 3323

Systematic approach for selection of materials and manufacturing process in design that balances performance requirements with cost of materials and manufacturing. Material properties, manufacturing processes and types of materials. Advanced computer software and case studies are used to illustrate application of principles.

**ME 4384 Engineering with Plastics (3)**

Pre-requisite(s): A grade of C or better in ME 3322

Introduction to engineering plastics, including manufacturing process and mechanical properties, elastic and viscoelastic behavior of polymers and polymeric composites, predicting long-term behavior from short-term tests using time-temperature-superposition, relating chemical structure to mechanical properties for thermosets and amorphous or semi-crystalline thermoplastics, environmental stress cracking in polymers, relating processing to mechanical properties, introduction to injection molding, extrusion, thermoforming, compression molding, and blow molding.

**ME 4385 Failure Analysis and Product Liability (3)**

Pre-requisite(s): A grade of C or better in ME 3322

How components and systems fail; how to determine the probable cause of specific failures; practical skills to do failure analyses; product liability as it applies to product failures and litigation. Class time and homework assignment will use principally a case studies approach.

**ME 4386 Properties and Processing of Electronic Materials (3)**

Pre-requisite(s): A grade of C or better in ME 3322

Modern microelectronic technologies utilize the electrical, magnetic and optical properties of materials to develop new devices for a wide variety of cutting edge applications. A strong foundation in materials physics and chemistry helps engineers/scientists to understand these properties. The course will highlight: 1) structure-property relationships and 2) materials used for various electronic and optoelectronic device applications.

**ME 4388 Corrosion and Sustainable Metallurgy (3)**

Pre-requisite(s): A grade of C or better in ME 3322

Introduction to the eight forms of corrosion. Sustainable engineering concepts, with an emphasis on metallic materials. Alternative metallic designs. Course will culminate in a sustainable materials design project.

**ME 4396 Special Topics in Mechanical Engineering (3)**

Pre-requisite(s): Consent of Department Chair

Study of advanced topics in mechanical engineering. This course may be repeated once under a different topic.

**ME 4V97 Special Projects in Mechanical Engineering (1-6)**

Pre-requisite(s): Consent of department chair

Advanced topics and/or special project activities in Mechanical Engineering.

## Medical Humanities (MH)

**MH 1303 Freshman Academic Seminar: Medicine, Meaning, and the Patient/Physician Relationship (3)**

Introduces first-year students to the world of academics and the scholarly community through exploration of the major themes intrinsic in the physician/patient relationship. Emphasizes critical inquiry and thinking, research, writing, and problem solving.

**MH 1331 Introduction to Medical Humanities (3)**

Introduction to the interdisciplinary and wide ranging field of medical humanities, its subjects and scope, and the way in which it can expand and enrich the experiences of patients and practitioners

**MH 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**MH 2301 Christian Spirituality and Health Care (3)**

An historical framework for Western spiritual traditions, especially the Christian tradition, stressing the relationship between Christian spirituality and healing. (For students interested in Medical Humanities.)

**MH 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**MH 3300 Visual Arts and Healing (3)**

Pre-requisite(s): For Medical Humanities major/minor students only  
Completion of MH 1331 with a B or better or consent of instructor. An overview of the connections between visual art, healing and health care, the role of imagination and creativity in medicine, including the critical viewing of art, class discussions, experiential learning, and a service-learning project.

**MH 3342 Medicine, Missions, and the Gospel (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

An overview of the biblical mandate to meet physical and spiritual needs in the context of Christian health care missions.

**MH 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**MH 4300 History of Medicine (3)**

Cross-listed as HIS 4300, PHI 4300

Pre-requisite(s): Upper-level standing or consent of instructor

A review of the origins and development of medicine and medical science from prehistoric times to the present. Consideration will be given to the impact of major diseases on civilization and the emergence of successful measures of control.

**MH 4351 Supervised Clinical Medicine (3)**

Pre-requisite(s): Departmental approval required

Supervised weekly clinical service through various medical fields complemented by weekly seminar sessions.

**MH 4361 Meaning, Money, and Medicine (3)**

Pre-requisite(s): MH 1331 MH 2301 or consent of instructor

How personal finance concepts relate to a career in health care against the backdrop of Christian spirituality and values. The course connects "vocational calling" to personal character and discusses spending, debt, giving, paying taxes, and investing.

**MH 4372 End-of-Life Care & Bereavement (3)**

This course critically analyzes how healthcare professionals are involved in the dying experience with patients, families, and communities.

Topics include causes of death, trauma, spirituality in grief, complicated bereavement, hospice and palliative care, physician-assisted dying, futile treatment at the end of life, and cross-cultural sensitivities.

**MH 4377 Supervised Hospice Care (3)**

Pre-requisite(s): MH 4372; or consent of instructor

Hands-on hospice experience including shadowing hospice professionals. Must meet hospice employment criteria.

**MH 4382 U.S. Health Care System (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Current state of health care in the United States including function, economic impacts, payment systems, ideas for reform, and issues related to patient safety and quality measures

**MH 4387 Bench to Bedside: Clinical Trials and Translational Science (3)**

Pre-requisite(s): Consent of instructor

An overview of how basic science is translated into novel therapies with an emphasis on "real world" clinical trials.

**MH 4396 Disability and Society (3)**

Critical reflections on questions of humanity, human well-being, understandings of disability, suffering, and care of those with disabilities, with emphasis on cultural, religious, medical and social perspectives.

**MH 4V98 Advanced Topics in Medical Humanities (1-3)**

Pre-requisite(s): Consent of the instructor and upper level standing

Study of advanced topics in Medical Humanities. This course may be repeated once with different topic for a total of 6 hours.

**MH 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Middle East Studies (MES)

**MES 2301 Introduction to the Middle East (3)**

A regional geographic introduction to the Middle East region. An overview of the physical, cultural, ethnographic, economic and geopolitical components of the region followed by a more in-depth description of selected political states.

**MES 3V00 Biblical Heritage and Contemporary Society in the Holy Land (1-3)**

Cross-listed as REL 3V00

See REL 3V00 for course information.

**MES 4378 Religion & Politics in the Middle East (3)**

Pre-requisite(s): Upper-level standing

An examination of the relationship between religion and politics in select countries of the Middle East.

**MES 4V01 Readings in Mid-East Studies (1-3)**

Pre-requisite(s): Senior standing and approval of Director of Middle East Studies

A tutorial course, individually designed to either allow in-depth study of special topic of student/faculty interest; or allow for a student to have individualized instruction in a broad area of Middle East studies. Details arranged. The course may be repeated once when content differs.

## Military Science (MILS)

**MILS 1101 Introduction to Leadership I (1)**

Co-requisite(s): MILS 1111

Overview of the U.S. Army, including its history, organization, customs and courtesies, strategic mission, dynamic structure, and methods of tactical deployment. Includes a field trip that exposes students to on- and off-duty Army life and gives them the opportunity to observe new combat arms lieutenants in action.

**MILS 1102 Introduction to Leadership II (1)**

Co-requisite(s): MILS 1112

Pre-requisite(s): MILS 1101 or consent of department chair

Fundamentals of basic tactics, including movement techniques, battle drill/assault techniques, squad tactical control measures, land navigation, and first-aid training. Designed to give the student an initial level of tactical proficiency and a degree of leadership training.

**MILS 1111 Leadership Lab I (1)**

Co-requisite(s): MILS 1101

Development of leadership skills with practical experience in military skills. Areas of emphasis include drill and ceremonies, squad level tactics, first aid, and land navigation. A weekend field training exercise and weekly physical fitness training are included in the course.

**MILS 1112 Leadership Lab II (1)**

Co-requisite(s): MILS 1102

Continues the development of leadership skills while giving practical experience in military skills obtained in Leadership Lab I. Areas of emphasis include drill and ceremonies, squad level tactics, first aid, and land navigation. A weekend field training exercise and weekly physical fitness training are included in the course.

**MILS 2111 Basic Leadership Lab I (1)**

Co-requisite(s): MILS 2201

Development of leadership skills while giving practical experience in military skills, including drill and ceremonies, squad level tactics, first aid, and land navigation. A weekend field training exercise and weekly physical fitness training are included in the course.

**MILS 2112 Basic Leadership Lab II (1)**

Co-requisite(s): MILS 2202

Development of leadership skills, including drill and ceremonies, squad level tactics, first aid, and land navigation. A weekend field training exercise and weekly physical fitness training are included in the course.



**MILS 2201 Basic Leadership I (2)**

Co-requisite(s): MILS 2111

Pre-requisite(s): MILS 1102 or consent of department chair

The military element of power, first aid, light infantry tactics, and map reading.

**MILS 2202 Basic Leadership II (2)**

Co-requisite(s): MILS 2112

Pre-requisite(s): MILS 2201 or consent of department chair

Principles of positive and assertive military leadership, addressed through leadership assessment training and student classroom presentations.

**MILS 3111 Intermediate Leadership Lab I (1)**

Co-requisite(s): MILS 3301

Development of leadership skills, including evaluating drill and ceremonies, squad level tactics, first aid, and land navigation. Advanced Course cadets should expect to conduct the training and lead the cadet battalion under cadre supervision. A weekend field training exercise and weekly physical fitness training are included in the course.

**MILS 3112 Intermediate Leadership Lab II (1)**

Co-requisite(s): MILS 3302

A continuation of MILS 3111. Leadership skills, including evaluating drill and ceremonies, squad level tactics, first aid, and land navigation. Advanced Course cadets should expect to conduct the training and lead the cadet battalion under cadre supervision. A weekend field training exercise and weekly physical fitness training are included in the course.

**MILS 3301 Intermediate Leadership I (3)**

Co-requisite(s): MILS 3111

Pre-requisite(s): MILS 2202 or consent of department chair

Effective counseling, writing, and human relation skills necessary to influence human behavior positively. Development of confidence and leadership experience in addition to land navigation skills and tactical proficiency. Group participation and exposure to leadership reaction situations.

**MILS 3302 Intermediate Leadership II (3)**

Co-requisite(s): MILS 3112

Pre-requisite(s): MILS 3301 or consent of department chair

Analysis of the leader's role in directing and coordinating the efforts of individuals and organizations, involving student role modeling and analysis of controversial leadership case situations. Students practice and learn the necessary skills to take charge when responsible, as well as to control and positively influence personnel under stressful situations. Additional professional skills are also taught.

**MILS 4111 Advanced Leadership Lab I (1)**

Co-requisite(s): MILS 4301

Development of leadership skills conducting the training and leading the cadet battalion under cadre supervision. A weekend field training exercise and weekly physical fitness training are included in the course.

**MILS 4112 Advanced Leadership Lab II (1)**

Co-requisite(s): MILS 4302

Continuation of MILS 4111. Development of leadership skills by conducting the training and leading the cadet battalion under cadre supervision. A weekend field training exercise and weekly physical fitness training are included in the course.

**MILS 4301 Advanced Leadership I (3)**

Co-requisite(s): MILS 4111

Pre-requisite(s): MILS 3302 or consent of department chair

The mission and structure of the Army and its professional and social aspects, focusing on oral and written communication skills, counseling techniques, evaluation, and reporting procedures, as well as introducing the combined arms concept.

**MILS 4302 Advanced Leadership II (3)**

Co-requisite(s): MILS 4112

Pre-requisite(s): MILS 4301 or consent of department chair

Examination of the dynamics of modern warfare from the perspective of the combat battalion task force. The integration of maneuver forces, air power, intelligence, logistics, and air mobility by a ground combat commander is studied in both practical exercise and case studies. A variety of other subjects relating to staff procedures and command and control are covered.

**MILS 4V03 Special Studies in Military Science (1-3)**

Pre-requisite(s): MILS 4302 and departmental approval required

Individualized research in Military Science. The research must use the US Army Battle Analysis Methodology. Student's proposals for special study project must be approved by the supervising faculty member. Offered on demand for one to three semester hours. May be repeated multiple times under different topics for a total of three semester hours.

**MILS 4V04 Company Grade Office Leadership Development (1-3)**

Pre-requisite(s): MILS 4302

Comprehensive studies for Military Science Cadets who have completed Advanced Leadership Studies. May be taken more than once for a maximum of three credit hours.

## Modern Languages and Cultures (MLC)

**MLC 1101 First-Year Global Community (1)**

Pre-requisite(s): For new freshmen only and acceptance into the Global Community Living Learning Center (GC-LLC)

A New Student Experience course for first-year students living in the Global Community Living Learning Center (GC-LLC). Focuses on global issues and regions as well as cross-cultural learning. This course may be repeated once for credit.

**MLC 1V99 Special Studies in a Foreign Language (1-4)**

Pre-requisite(s): Consent of department

Study of a foreign language at the elementary level. May be repeated for a maximum total of eight semester hours.

**MLC 2V99 Special Studies in a Foreign Language (1-3)**

Pre-requisite(s): Consent of department

Study of a foreign language at the intermediate level. May be repeated for a maximum total of six semester hours.

**MLC 3101 Global Community and Cross-Cultural Studies (1)**

Pre-requisite(s): Acceptance into the Global Community Living Learning Center (GC-LLC) and satisfactory completion of MLC 1101 or consent of the instructor

Cross-cultural learning about global issues and world affairs for students living in the Global Community Living Learning Center (GC-LLC). May be repeated up to six times for a total of 7 hours credit.



**MLC 3300 Perspectives of Literature in Translation (3)**

Team-taught by specialists in foreign languages and literatures, this course offers the English speaker unique insights into literature from perspectives within and across cultural boundaries. Thematic emphasis will vary. No credit toward foreign language requirement.

**MLC 3V99 Special Studies in a Foreign Language (1-3)**

Pre-requisite(s): Consent of department

Study of a foreign language at the advanced level. May be repeated for a maximum total of twelve semester hours.

**MLC 4376 Asian Literature in Translation (3)**

Cross-listed as AST 4376

See AST 4376 for course information.

## Museum Studies (MST)

**MST 1300 Introduction to Museums (3)**

Introduction to the historical development of museums, the museum profession, and the field of museum studies.

**MST 2303 Museum Educational Programming (3)**

The history and development of museum education including both directed/formal education and free-choice/informal learning.

**MST 3304 Introduction to Cultural Collections (3)**

Examines cultural collections in museums, libraries, and archives, including their historical development; their role in society; and their use in scholarship, education, and public programming.

**MST 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**MST 4301 Nonprofit Perspectives (3)**

Pre-requisite(s): Credit or concurrent enrollment in MST 1300

Overview of museum and non-profit administration, with emphasis on governance, oversight, budgetary planning, fundraising, public relations, and ethics.

**MST 4302 Introduction to Outreach and Community Relations for Museums (3)**

Pre-requisite(s): Credit or concurrent enrollment in MST 1300; Upper-level standing or consent of instructor

Development of outreach techniques in U.S. museums. Hands-on experience researching, creating, and executing strategies in advertising, public relations, marketing, and development/fundraising, including a marketing plan for a museum/archive/library partner institution.

**MST 4307 Historic Buildings and Sites (3)**

Pre-requisite(s): Upper-level standing

Varieties and techniques of historic preservation in America.

**MST 4308 Introduction to Material Culture (3)**

Pre-requisite(s): upper-level standing

The material evidence of American life, including everyday artifacts, and those reflecting social and political history.

**MST 4309 Introduction to American Decorative Arts (3)**

Pre-requisite(s): Upper-level standing

Guide to the origins, nature and display, as well as chronological and geographical classification of American decorative arts.

**MST 4313 Ethical Issues in Cultural Collections Management (3)**

Pre-requisite(s): Upper-level standing

Ethical issues in museums, libraries, and archives. Emphasis on collections management issues such as fakes and forgeries, accessioning and deaccessioning, cultural patrimony, interpretation and exhibition, and repatriation.

**MST 4324 Introduction to Archival Collections and Museums (3)**

Pre-requisite(s): MST 1300, Upper-level standing

The history of records and recordkeeping systems, the organizational structure of museums, and the respective roles of collectors and researchers in the archival environment.

**MST 4330 Amer. Monuments & Memorials (3)**

Pre-requisite(s): Upper-level standing

Advanced topics in Museum Studies not covered in other museum studies courses. May be repeated once under a different topic.

**MST 4331 Exhibit Design and Preparation (3)**

Pre-requisite(s): Upper-level standing

Exhibit design as a way to meet the needs, interests and learning styles of museum visitors.

**MST 4V60 Museum Internship (3-6)**

Pre-requisite(s): Consent of instructor

Internship in the daily operation of a museum or related organization and completion of a specialized project.

**MST 4V70 Independent Studies in Museums (3-6)**

Pre-requisite(s): Consent of the instructor

Directed studies of standards of museum professional practices.

**MST 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor Undergraduate research undertaken under the supervision of a faculty member

May be taken for a maximum of 6 hours.

## Music (MUS)

**MUS 1001 Recital Attendance (0)**

This course provides a means to record attendance requirement credit by semester.

**MUS 1002 Academic Division Colloquium (0)**

This course is oriented to the development and practical application of the student's critical thinking process through lectures and presentations related to the academic field in music. This course may be repeated as necessary.

**MUS 1007 Church Music Forum (0)**

A course that meets several times each semester to hear guest speakers on a variety of topics related to church music.

**MUS 1095 Freshman Music Seminar (0)**

This course prepares entering college freshmen admitted to the School of Music for success in pursuing a degree in music. Designed for first semester students, the course covers degree expectations, study skills, long term planning and vocational preparation, and begins content instruction in the discipline. This course is available to music majors only.

**MUS 1100 Introductory Musicianship (1)**

Pre-requisite(s): Concurrent enrollment in MUS 1200 or 1301, or a passing score on the Theory Placement Exam, or divisional consent

Designed as the aural skills complement to MUS 1200; emphasizes rudimentary skills in sight singing, rhythm reading, and ear training.

**MUS 1101 Musicianship I (1)**

Pre-requisite(s): MUS 1100 or a passing score on the aural portion of the Theory Placement Exam; and credit or concurrent enrollment in MUS 1301

The aural skills complement to MUS 1301, this course emphasizes solfege singing of major and minor melodies at sight, rhythm reading in both simple and compound meters, and melodic, rhythmic, and harmonic dictation.

**MUS 1102 Musicianship II (1)**

Pre-requisite(s): A minimum grade of C in MUS 1101, and either credit or concurrent enrollment in MUS 1302

A continuation of MUS 1101, designed as the aural skills complement to MUS 1302.

**MUS 1107 Beginning Composition I (1)**

A basic approach to twentieth-century composition through analysis and exercises in composition.

**MUS 1108 Beginning Composition II (1)**

Pre-requisite(s): MUS 1107 or consent of instructor

A basic approach to twentieth-century composition through analysis and exercises in composition.

**MUS 1111 Flute-Saxophone (1)**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**MUS 1112 Oboe-Bassoon (1)**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**MUS 1113 Clarinet (1)**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**MUS 1114 Trumpet-Horn (1)**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**MUS 1115 Trombone-Baritone-Tuba (1)**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**MUS 1116 Strings (for nonstring players) (1)**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**MUS 1117 Violin (for string majors) (1)**

Designed to provide a thorough understanding of the skills and materials necessary for teaching and playing the violin.

**MUS 1118 Viola (for string majors) (1)**

Designed to provide a thorough understanding of the skills and materials necessary for teaching and playing the viola.

**MUS 1119 Percussion (1)**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**MUS 1120 Cello (for string majors) (1)**

Designed to provide a thorough understanding of the skills and materials necessary for teaching and playing the cello.

**MUS 1121 Double-Bass (for string majors) (1)**

Designed to provide a thorough understanding of the skills and materials necessary for teaching and playing the double-bass.

**MUS 1124 Class Voice (1)**

Pre-requisite(s): Course requires ability to match pitch and accurately sing back simple melodies

Departmental consent required. Group instruction in voice.

**MUS 1125 Beginning Class Piano (1)**

Group instruction in piano for non-music majors with no previous training in piano.

**MUS 1131 Class Piano, Grade Level I (For Music Majors) (1)**

Group instruction for piano grade level I.

**MUS 1132 Class Piano, Grade Level II (For Music Majors) (1)**

Group instruction for piano grade level II.

**MUS 1133 Class Piano, Grade Level III (For Music Majors) (1)**

Group instruction for piano grade level III.

**MUS 1150 English and Italian Diction (1)**

Special laboratory course for voice students dealing with pronunciation and enunciation as applied to singing English and Italian.

**MUS 1151 German Diction (1)**

Pre-requisite(s): A grade of C or above in MUS 1150

Special laboratory course for voice students dealing with pronunciation and enunciation as applied to singing German.

**MUS 1152 French Diction (1)**

Pre-requisite(s): A grade of "C" or above in MUS 1150

Special laboratory course for voice students dealing with pronunciation and enunciation as applied to singing French.

**MUS 1161 Violin Orchestral Excerpts I (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group I of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1162 Violin Orchestral Excerpts II (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group II of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experiences and skills to master the audition process. May be repeated once for credit.

**MUS 1163 Violin Orchestral Excerpts III (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group III of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1164 Violin Orchestral Excerpts IV (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group IV of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1171 Viola Orchestral Excerpts I (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group I of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1172 Viola Orchestral Excerpts II (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group II of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1173 Viola Orchestral Excerpts III (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group III of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1174 Viola Orchestral Excerpts IV (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group IV of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1181 Cello Orchestral Excerpts I (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group I of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1182 Cello Orchestral Excerpts II (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group II of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1183 Cello Orchestral Excerpts III (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group III of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1184 Cello Orchestral Excerpts IV (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group IV of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1191 Double Bass Orchestral Excerpts I (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group I of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1192 Double Bass Orchestral Excerpts II (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group II of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1193 Double Bass Orchestral Excerpts III (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group III of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1194 Double Bass Orchestral Excerpts IV (1)**

Pre-requisite(s): Consent of instructor

Focused preparation of group IV of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1195 Harp Orchestral Excerpts I (1)**

Pre-requisite(s): Consent of the instructor

Focused preparation of group I of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1196 Harp Orchestral Excerpts II (1)**

Pre-requisite(s): Consent of the instructor

Focused preparation of group II of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1197 Harp Orchestral Excerpts III (1)**

Pre-requisite(s): Consent of the instructor

Focused preparation of group III of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 1198 Harp Orchestral Excerpts IV (1)**

Pre-requisite(s): Consent of the instructor

Focused preparation of group IV of the standard orchestral audition excerpts. Special emphasis given to learning technical and pedagogical concepts as well as developing experience and skills to master the audition process. May be repeated once for credit.

**MUS 11B1 Undergraduate Trumpet (1)****MUS 11B2 Undergraduate Horn (1)****MUS 11B3 Undergraduate Trombone (1)****MUS 11B4 Undergraduate Baritone (1)****MUS 11B5 Undergraduate Tuba (1)****MUS 11B6 Applied Lessons in Natural (Baroque) Trumpet (1)**

Pre-requisite(s): MUS 12B1

Introduces the student to the traditions, fundamental techniques and performance practices of the instrument. The opportunity to perform standard repertoire from Baroque literature, in solo and ensemble settings, will be provided.

**MUS 11H1 Undergraduate Harp (1)****MUS 11K1 Undergraduate Piano (1)****MUS 11K2 Undergraduate Organ (1)****MUS 11K3 Undergraduate Harpsichord (1)**

Pre-requisite(s): Music major or approval of instructor

**MUS 11K4 Undergraduate Carillon (1)**

**MUS 11K5 Undergraduate Piano for Non-Music Majors (1)**

Individual instruction in piano for non-music majors with some prior musical training.

**MUS 11P1 Undergraduate Percussion (1)****MUS 11P2 Timpani (1)****MUS 11S1 Undergraduate Violin (1)****MUS 11S2 Undergraduate Viola (1)****MUS 11S3 Undergraduate Cello (1)****MUS 11S4 Undergraduate Bass (1)****MUS 11V1 Undergraduate Voice (1)****MUS 11W1 Undergraduate Flute (1)****MUS 11W2 Undergraduate Oboe (1)****MUS 11W3 Undergraduate Clarinet (1)****MUS 11W4 Undergraduate Bassoon (1)****MUS 11W5 Undergraduate Saxophone (1)****MUS 1200 Introductory Music Theory (2)**

The study of rudiments of written theory, including notation, scales, key signatures, music terminology, intervals, rhythm and meter, chord construction, and music reading. Does not count as credit toward a degree with a major in music.

**MUS 1202 Basic Guitar (2)**

Group instruction in beginning guitar. A comprehensive approach which includes accompanying, solo playing, and ensembles, history of the guitar, and fundamentals of music. Open to non-music majors only.

**MUS 1216 Band Techniques for String Majors (2)**

This class is designed to provide string majors with knowledge, skills, and competencies in teaching wind/percussion instruments individually and in an ensemble setting.

**MUS 1220 Introduction to Music (2)**

A course for the non-music major in which representative masterpieces of music are explored. Non-technical discussions of the music, as well as the times and lives of the composers, are presented to enhance the enjoyment of the listening experience.

**MUS 12B1 Undergraduate Trumpet (2)****MUS 12B2 Undergraduate Horn (2)****MUS 12B3 Undergraduate Trombone (2)****MUS 12B4 Undergraduate Baritone (2)****MUS 12B5 Undergraduate Tuba (2)****MUS 12H1 Undergraduate Harp (2)****MUS 12K1 Undergraduate Piano (2)****MUS 12K2 Undergraduate Organ (2)**

Pre-requisite(s): By permission of instructor

**MUS 12K3 Undergraduate Harpsichord (2)****MUS 12P1 Undergraduate Percussion (2)****MUS 12P2 Timpani (2)****MUS 12S1 Undergraduate Violin (2)****MUS 12S2 Undergraduate Viola (2)****MUS 12S3 Undergraduate Cello (2)****MUS 12S4 Undergraduate Bass (2)****MUS 12V1 Undergraduate Voice (2)****MUS 12W1 Undergraduate Flute (2)****MUS 12W2 Undergraduate Oboe (2)****MUS 12W3 Undergraduate Clarinet (2)****MUS 12W4 Undergraduate Bassoon (2)****MUS 12W5 Undergraduate Saxophone (2)****MUS 1301 Theory I (3)**

Pre-requisite(s): MUS 1200, or a passing score on the Music Theory Placement Exam

The first course in a systematic study of the organization of music of the Common Practice Period. Students acquire a basic understanding of the structure of tonal music through analysis and written exercises in harmony and counterpoint.

**MUS 1302 Theory II (3)**

Pre-requisite(s): Minimum grade of C in MUS 1301

A continuation of MUS 1301, including non-chord tones, 2:1 counterpoint, seventh chords, and basic formal structure.

**MUS 1321 Engaging with Music (3)**

Development of skills and insights necessary to appreciate and understand music and the vital role that that music plays in a variety of historical and cultural contexts. Fosters creative approaches to active listening. No previous music experience required.

**MUS 1330 Introduction to Music Education (3)**

An introductory study of learning theory and human development, an overview of the total school music program, and a survey of the history and philosophy of American music education.

**MUS 1331 Introduction to Technology for Musicians (3)**

Pre-requisite(s): BME, BM-Composition majors, or departmental approval  
This course, designed specifically for musicians, balances quantitative technology knowledge with practical technology experience. Units in this course include fundamentals of: computer science, sound synthesis, notation software, sound reinforcement, digital audio recording/mixing/editing, copyright/licensing, graphic design, photography, and videography.

**MUS 13K1 Applied Piano (3)****MUS 14K2 Undergraduate Organ (4)****MUS 2101 Musicianship III (1)**

Pre-requisite(s): Minimum grade of C in MUS 1102; and credit or concurrent enrollment in MUS 2301

A continuation of MUS 1102, designed as the aural skills complement to MUS 2301.

**MUS 2102 Musicianship IV (1)**

Pre-requisite(s): Minimum grade of C in MUS 2101; and credit or concurrent enrollment in MUS 2302

A continuation of MUS 2101, designed as the aural skills complement to MUS 2302. Emphasizes singing and dictating melodies, rhythms, and chords commonly encountered in late nineteenth and twentieth-century music.

**MUS 2113 Introductory Service Playing (1)**

Pre-requisite(s): Organ majors (MUS APM Organ) or MUS 11K2 or MUS 51K2

A course designed to teach the role of music in the worship service and the fundamentals of church service playing on the organ, including creative hymn playing, congregational singing, and choral accompaniments.



**MUS 2202 Intermediate Guitar (2)**

Pre-requisite(s): MUS 1202

This course is designed for non-music majors who have successfully completed Basic Guitar 1202 and have a working knowledge of open position chords and scales, basic rhythm accompaniment and melody playing techniques, as well as reading skills up to and including eighth-note based rhythms in the first position. Emphasis is placed on expanding technical range and repertoire on the guitar through the understanding and assimilation of movable chord forms and scale fingerings.

**MUS 2207 Elementary Composition I (2)**

Pre-requisite(s): MUS 1102 or consent of instructor

A basic approach to twentieth-century composing through analysis and exercises in melody, harmony, counterpoint, etc. Composing in small forms.

**MUS 2208 Elementary Composition II (2)**

Pre-requisite(s): MUS 1102 and 1302; and consent of the professor  
Continuation of MUS 2207.

**MUS 2260 Elementary Conducting (Music Education Elementary) (2)**

Pre-requisite(s): MUS 1102 and 1302

Fundamentals of conducting techniques and related score study in rehearsal and performance.

**MUS 2301 Theory III (3)**

Pre-requisite(s): Minimum grade of C in MUS 1302

A continuation of MUS 1302, emphasizing chromaticism in tonal harmony and introducing standard musical forms.

**MUS 2302 Theory IV (3)**

Pre-requisite(s): Minimum grade of C in MUS 2301

A survey of late nineteenth and twentieth-century compositional techniques and methods of analysis, including scales, chords, rhythmic techniques, approaches to tonality, set theory, and serialism.

**MUS 2320 Music and Urban Society (3)**

A study of the past and present states of music in several urban centers. This is usually a study tour conducted abroad, including lectures, concerts, and first-hand encounters with the culture.

**MUS 2370 Formation for Christian Musicians (3)**

An introduction to selected aspects of Christian music ministry, including personal spiritual formation, the call to ministry, careers in Christian music, philosophy and history of church music, and practical skills for collegiate music ministry.

**MUS 3001 Music Education Evaluation (0)**

Pre-requisite(s): Credit for or concurrent enrollment with MUS 1330

This course is designed to evaluate readiness to matriculate into upper-level Music Education study and to determine admission into the Teacher Education Program at Baylor University. This course requires sophomore standing (or upon transfer enrollment).

**MUS 3132 Choral Methods I (1)**

Pre-requisite(s): MUS 3001 Instructional strategies for teaching foundational musical content to secondary-level singers in group settings

Emphasis will be placed on implementation of the teaching cycle, as it applies to pre-repertoire instruction in the choral classroom.

**MUS 3135 Special Learners in the Music Classroom (1)**

Instructional strategies for teaching students with special needs in the music classroom. Emphasis will be placed on engaging students in both traditional classroom environments and ensemble music settings.

**MUS 3136 Instrumental Methods I (1)**

Pre-requisite(s): MUS 3001 Instructional strategies for warm-up and literature selection as applied to secondary instrumental ensembles

**MUS 3138 Sight-Reading for Pianists (1)**

Pre-requisite(s): MUS 1137 or consent of instructor

This course focuses on the development of sight-reading skills for pianists. In-class activities and regular practice assignments will help the student identify and improve sight-reading weaknesses. Intended for piano majors and piano concentrations.

**MUS 3153 Russian Lyric Diction (1)**

Pre-requisite(s): A grade of C or above in MUS 1150, 1151, and 1152

Special laboratory course for voice students dealing with pronunciation and enunciation as applied to singing Russian.

**MUS 3170 Guitar for Music Ministry (1)**

Designed to give the church music student functional guitar skills.

This skill-based course will assure competency in playing chords for common guitar keys and basic strumming patterns. Students will also be exposed to other aspects of guitar playing such as tablature, chord charts, different types of guitars, and other relevant functions. Students who are experienced guitar players will move at their own pace.

**MUS 31B1 Advanced Undergraduate Trumpet (1)****MUS 31B2 Advanced Undergraduate Horn (1)****MUS 31B3 Advanced Undergraduate Trombone (1)****MUS 31B4 Advanced Undergraduate Baritone (1)****MUS 31B5 Advanced Undergraduate Tuba (1)****MUS 31H1 Advanced Undergraduate Harp (1)****MUS 31K1 Advanced Undergraduate Piano (1)****MUS 31K2 Advanced Undergraduate Organ (1)****MUS 31P1 Advanced Undergraduate Percussion (1)****MUS 31P2 Advanced Undergraduate Timpani (1)****MUS 31S1 Advanced Undergraduate Violin (1)****MUS 31S2 Advanced Undergraduate Viola (1)****MUS 31S3 Advanced Undergraduate Cello (1)****MUS 31S4 Advanced Undergraduate Bass (1)****MUS 31V1 Advanced Undergraduate Voice (1)****MUS 31W1 Advanced Undergraduate Flute (1)****MUS 31W2 Advanced Undergraduate Oboe (1)****MUS 31W3 Advanced Undergraduate Clarinet (1)****MUS 31W4 Advanced Undergraduate Bassoon (1)****MUS 31W5 Advanced Undergraduate Saxophone (1)****MUS 3202 Choral Arranging and Composition (2)**

Pre-requisite(s): MUS 2102 and 2302

Creative work in choral arranging and composition. Analysis of various styles of choral composition.

**MUS 3203 Arranging for Popular and Jazz Idioms (2)**

Pre-requisite(s): MUS 2102 and 2302 or consent of instructor

A study of standard practices of notation, scoring, and instrumentation with regard to jazz and popular music. Attention will be focused on writing for a rhythm section, scoring for woodwinds and brass, and on relating these to vocal idioms. A lab format will be used in which student will be performed.



**MUS 3207 Composition (2)**

Pre-requisite(s): MUS 2102 and 2302

A first course in composition for non-composition majors.

**MUS 3212 String Methods (For String Majors) (2)**

A survey of the most widely-used pedagogical methods for heterogeneous group string instruction. Emphasis will be placed on observation, practice teaching, and program building.

**MUS 3232 Choral Methods II (2)**

Pre-requisite(s): MUS 3001 and credit or concurrent enrollment in MUS 3132 Instructional strategies for facilitating choral rehearsals and performances for a variety of choral ensembles, focusing on the development of sight-reading skills and repertoire learning. Addresses a wide range of issues involved in administering a school choral music program.

**MUS 3236 Instrumental Methods II (2)**

Pre-requisite(s): MUS 3001 Instructional strategies for facilitating instrumental ensemble rehearsals and performances in a variety of settings. Addresses a wide range of issues in administering school instrumental music programs.

**MUS 3260 Instrumental Conducting (2)**

Pre-requisite(s): MUS 2260

Application of basic conducting skills to the direction of instrumental ensembles.

**MUS 3261 Choral Conducting (2)**

Pre-requisite(s): MUS 2260

Application of basic conducting skills to the direction of choral ensembles.

**MUS 32B1 Advanced Undergraduate Trumpet (2)****MUS 32B2 Advanced Undergraduate Horn (2)****MUS 32B3 Advanced Undergraduate Trombone (2)****MUS 32B4 Advanced Undergraduate Baritone (2)****MUS 32B5 Advanced Undergraduate Tuba (2)****MUS 32H1 Advanced Undergraduate Harp (2)****MUS 32K1 Advanced Undergraduate Piano (2)****MUS 32K2 Advanced Undergraduate Organ (2)****MUS 32P1 Advanced Undergraduate Percussion (2)****MUS 32P2 Advanced Undergraduate Timpani (2)****MUS 32S1 Advanced Undergraduate Violin (2)****MUS 32S2 Advanced Undergraduate Viola (2)****MUS 32S3 Advanced Undergraduate Cello (2)****MUS 32S4 Advanced Undergraduate Bass (2)****MUS 32V1 Advanced Undergraduate Voice (2)****MUS 32W1 Advanced Undergraduate Flute (2)****MUS 32W2 Advanced Undergraduate Oboe (2)****MUS 32W3 Advanced Undergraduate Clarinet (2)****MUS 32W4 Advanced Undergraduate Bassoon (2)****MUS 32W5 Advanced Undergraduate Saxophone (2)****MUS 3301 Theory V (3)**

Pre-requisite(s): MUS 2302 and credit or concurrent enrollment in 2102 Harmonic and structural analysis of larger forms, including variations, rondo, sonata, and contrapuntal forms.

**MUS 3306 Orchestration (3)**

Pre-requisite(s): MUS 2101 and 2301

Ranges, notation, and characteristics of orchestral instruments.

Exercises in orchestrating for combinations of string and wind instruments, including full orchestra. Styles of orchestration. Orchestral score reading.

**MUS 3307 Intermediate Composition (3)**

Pre-requisite(s): MUS 2208 or 3207 or consent of instructor

Writing in the larger forms for piano, voice, choir, and small instrumental combinations.

**MUS 3308 Intermediate Composition (3)**

Pre-requisite(s): MUS 2208 or 3207 or consent of instructor

Writing in the larger forms for piano, voice, choir, and small instrumental combinations.

**MUS 3310 Beginning Jazz Improvisation (3)**

An introduction to the techniques of jazz improvisation. Study of jazz theory and Afro-American artists and styles.

**MUS 3312 Piano Pedagogy I (3)**

Piano Level IV Fundamentals of piano teaching, and examination of the learning process and its application to the elementary student. Review of teaching materials and music technology for the elementary student. Observation and directed teaching in the Piano Laboratory Program, both individual and group lesson settings.

**MUS 3313 Piano Pedagogy II (3)**

Pre-requisite(s): MUS 3312

Examination and evaluation of beginning piano methods. Survey, analysis, and classification of pre-college teaching literature. Independent studio management and planning. Observation and directed teaching in the Piano Laboratory Program, both individual and group lesson settings.

**MUS 3314 Piano Pedagogy III (3)**

Pre-requisite(s): MUS 3312

Examination and evaluation of standard literature, technical approaches, and teaching materials for the late intermediate, early advanced, and beginning adult student. Additional topics include injury prevention and performance anxiety. Undergraduate students will teach a community student in the Piano Laboratory Program.

**MUS 3315 Survey of Music Literature (3)**

Pre-requisite(s): MUS 1101 and 1301; expectation that students know how to read music

This course surveys the general history of music. It requires students to be able to follow a musical score, and includes the completion of a research project during the course of the semester.

**MUS 3321 Music in World Cultures (3)**

Addresses music as a significant part of various world cultures through lectures, videos, class listening and discussion, and hands-on experience with various musical systems. Music will be studied in relation to religions, political systems, economics, languages and other arts. When possible, workshops with visiting non-Western ensembles will be arranged.

**MUS 3322 Popular Musics (3)**

Examination of the musical and cultural significance of popular musics, exploring how musical sound can be considered "text," and analyzing how and why popular music is created. No previous music experience required.

**MUS 3323 Jazz and its History (3)**

The study of jazz from its West African and American blues roots through ragtime, urban blues, big bands, bebop, cool, 1960s avant garde, and present developments.

**MUS 3324 The History of Music before 1600 (3)**

Pre-requisite(s): MUS 1102 and 1302

Survey of European music from Antiquity through the Renaissance, including some related materials from outside the Western tradition.

**MUS 3325 The History of Music from 1600 to 1800 (3)**

Pre-requisite(s): MUS 1102 and 1302

Survey of European and American music from the seventeenth and eighteenth centuries.

**MUS 3326 The History of Music from 1800 to World War I (3)**

Pre-requisite(s): MUS 1102 and 1302

Survey of European and American music from 1800 to World War I, including some related materials from outside the Western concert tradition.

**MUS 3327 The History of Music from World War I to the Present (3)**

Pre-requisite(s): MUS 1102 and 1302

Integrated survey of European and American art music since World War I, along with selected topics outside that tradition.

**MUS 3331 Music in the Elementary School (3)**

Pre-requisite(s): MUS 3001 Methods and materials for teaching music to children

For music education majors and elementary education majors with a teaching field in music.

**MUS 3334 Secondary Choral Music (3)**

Pre-requisite(s): MUS 3001 and 3232 This course provides advanced training in secondary choral music teaching practices and includes substantial field experience in secondary choral music programs

Topics of study include music reading strategies, rehearsal technique, curriculum design and administrative issues related specifically to choral music programs.

**MUS 3335 Instrumental Music in the Secondary School (3)**

Organization, administration, and promotion of band and orchestra programs. Care and selection of instruments, uniforms, music, and related materials. Units on testing and grading, rehearsal procedures, programming, and financing.

**MUS 3336 Music for Elementary Classroom Teachers (3)**

Required of all elementary education majors. A study of the musical experiences and activities through which children acquire basic musical concepts and skills.

**MUS 3337 Elementary Music Education (3)**

Pre-requisite(s): MUS 3001 and 3331 Extends the work of MUS 3331 to provide a detailed study of music instruction in the elementary school Includes observation and field teaching.

**MUS 3370 The Musician as Educator in the Church (3)**

A survey of music education in the church, with particular emphasis upon the planning, implementation and ministerial facets of teaching, as well as a look at the practical philosophical and psychological aspects within a church setting. (3 hours)

**MUS 3375 Leadership in Music Ministry (3)**

Survey of the principles involved in organizing and implementing a comprehensive music ministry, including budgeting, programming, and multiple staff relationships. An introduction to pastoral skills including visioning, hospital visitation, and conflict management. (3 hours)

**MUS 3377 Instrumental Music in the Church (3)**

A study of the use of instruments in the church, seeking to provide students with both knowledge and skill set in the field of instrumental music arrangement and performance practice specifically in the context of Christian worship.

**MUS 3378 Technology and Keyboards in the Church (3)**

A survey of the use of technology, keyboard instruments, and handbells in the church; including the purchase, maintenance, and use of the instruments/equipment.

**MUS 33K1 Advanced Undergraduate Piano (3)****MUS 34B1 Advanced Undergraduate Trumpet (4)****MUS 34B2 Advanced Undergraduate Horn (4)****MUS 34B3 Advanced Undergraduate Trombone (4)****MUS 34B4 Advanced Undergraduate Baritone (4)****MUS 34B5 Advanced Undergraduate Tuba (4)****MUS 34H1 Applied Harp (4)****MUS 34K1 Advanced Undergraduate Piano (4)****MUS 34K2 Advanced Undergraduate Organ (4)****MUS 34P1 Advanced Undergraduate Percussion (4)****MUS 34P2 Advanced Undergraduate Timpani (4)****MUS 34S1 Advanced Undergraduate Violin (4)****MUS 34S2 Advanced Undergraduate Viola (4)****MUS 34S3 Advanced Undergraduate Cello (4)****MUS 34S4 Advanced Undergraduate Bass (4)****MUS 34V1 Advanced Undergraduate Voice (4)****MUS 34W1 Advanced Undergraduate Flute (4)****MUS 34W2 Advanced Undergraduate Oboe (4)****MUS 34W3 Advanced Undergraduate Clarinet (4)****MUS 34W4 Advanced Undergraduate Bassoon (4)****MUS 34W5 Advanced Undergraduate Saxophone (4)****MUS 4001 Music Education Fieldwork (0)**

For completion of field experience and other requirements prior to student teaching.

**MUS 40B1 Degree Recital - Trumpet (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32B1 or 34B1  
Presentation of a recital in fulfillment of degree requirements.

**MUS 40B2 Degree Recital - Horn (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32B2 or 34B2  
Presentation of a recital in fulfillment of degree requirements.

**MUS 40B3 Degree Recital - Trombone (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32B3 or 34B3  
Presentation of a recital in fulfillment of degree requirements.

**MUS 40B4 Degree Recital - Baritone (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32B4 or 34B4  
Presentation of a recital in fulfillment of degree requirements.

**MUS 40B5 Degree Recital - Tuba (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32B5 or 34B5  
Presentation of a recital in fulfillment of degree requirements.

**MUS 40C1 Degree Recital - Composition (0)**

Co-requisite(s): MUS 4308

Presentation of a recital in fulfillment of degree requirements.

**MUS 40H1 Degree Recital - Harp (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32H1 or 34H1  
Presentation of a recital in fulfillment of degree requirements.

**MUS 40K1 Degree Recital - Piano (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 31K1, 32K1, 33K1, or 34K1

Presentation of a recital in fulfillment of degree requirements.

**MUS 40K2 Degree Recital - Organ (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 31K2, 32K2, 33K2, or 34K2

Presentation of a recital in fulfillment of degree requirements.

**MUS 40P1 Degree Recital - Percussion (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32P1 or 34P1

Presentation of a recital in fulfillment of degree requirements.

**MUS 40R1 Special Recital (0)**

Pre-requisite(s): Consent of instructor

Presentation of a recital over and above degree requirements.

**MUS 40S1 Degree Recital - Violin (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32S1 or 34S1

**MUS 40S2 Degree Recital - Viola (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32S2 or 34S2

Presentation of a recital in fulfillment of degree requirements.

**MUS 40S3 Degree Recital - Cello (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32S3 or 34S3

Presentation of a recital in fulfillment of degree requirements.

**MUS 40S4 Degree Recital - Bass (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32S4 or 34S4

Presentation of a recital in fulfillment of degree requirements.

**MUS 40V1 Degree Recital - Voice (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32V1 or 34V1

Presentation of a recital in fulfillment of degree requirements.

**MUS 40W1 Degree Recital - Flute (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32W1 or 34W1

Presentation of a recital in fulfillment of degree requirements.

**MUS 40W2 Degree Recital - Oboe (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32W2 or 34W2

Presentation of a recital in fulfillment of degree requirements.

**MUS 40W3 Degree Recital - Clarinet (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32W3 or 34W3

Presentation of a recital in fulfillment of degree requirements.

**MUS 40W4 Degree Recital - Bassoon (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32W4 or 34W4

Presentation of a recital in fulfillment of degree requirements.

**MUS 40W5 Degree Recital - Saxophone (0)**

Pre-requisite(s): Credit or concurrent enrollment in MUS 32W5 or 34W5

Presentation of a recital in fulfillment of degree requirements.

**MUS 4110 Advanced Jazz Improvisation (1)**

Pre-requisite(s): MUS 3310 or consent of instructor

This course is an in-depth study of modern jazz improvisational techniques. May be repeated for credit.

**MUS 4114 Internship in Piano Teaching I (1)**

Pre-requisite(s): Piano Level VIII

Special assignments in piano teaching; children's classes and lessons in the Preparatory Laboratory program; group and individual instruction of college students; adult leisure piano. Faculty direction and evaluation of teaching. May be repeated for credit.

**MUS 4115 Internship in Piano Teaching II (1)**

Pre-requisite(s): Piano Level VIII

Special assignments in piano teaching; children's classes and lessons in the Preparatory Laboratory program; group and individual instruction of college students; adult leisure piano. Faculty direction and evaluation of teaching. May be repeated for credit.

**MUS 4120 Advanced Opera Workshop (1)**

Pre-requisite(s): Consent of instructor

Advanced Opera Workshop is an intensive class for advanced singers who aspire to careers in Opera and/or Musical Theatre. In this class students receive intensive one-on-one instruction on their "audition aria package." An accompanist is assigned for the course and students coach each aria or piece of musical theatre to polish it for professional auditions. Students will also have the opportunity to obtain one-on-one help with their professional credentials, taxes as artists and other items as needed. Since one-on-one instruction is the key to the success of this class the number of students enrolled must be limited. Therefore, undergraduates who wish to take this class must receive a nomination from their Vocal Instructor prior to asking for permission from the instructor of the course. Repeatable for credit.

**MUS 4121 Performing Recitative (1)**

Development of process-based skill sets for learning to sing and perform recitative, primarily in operas by Handel, Mozart, and bel canto composers. Topics include comparing recitativo secco and recitativo accompagnato and the practical performance techniques involved, applying concepts of lyric diction to the learning process, and mastering finer points such as style, pacing, appoggiature, word play, optional rests, and character development.

**MUS 4135 Practicum in Instrumental Music Education (1)**

This is an experiential course aimed at providing upper level instrumental music education students with real world teaching opportunities in a monitored environment.

**MUS 4151 Vocal Coaching (1)**

Pre-requisite(s): Consent of instructor

Advanced individual study of solo vocal repertoire for upper-level students preparing recitals, competitions, auditions, etc. May be repeated for a maximum of six semester hours.

**MUS 4181 Special Topics (1)**

An in-depth study of a narrowly circumscribed topic, such as a composer or genre. This course provides the opportunity to utilize special skills and knowledge of outstanding resident or visiting faculty. May be repeated six times with different topics of study.

**MUS 4203 Electroacoustic Music Composition (2)**

Pre-requisite(s): MUS 1331 and consent of instructor

Literature study, composition, and performance of fixed and interactive electroacoustic music.

**MUS 4204 Advanced Orchestration (2)**

Pre-requisite(s): MUS 3306

Study of problems in orchestration beyond the general topics addressed in MUS 3306.

**MUS 4205 Theoretical Systems (2)**

Pre-requisite(s): MUS 3301

Systems currently employed in music-theoretic scholarship for analysis of various musical styles. Application and comparison of the systems.

**MUS 4208 Jazz Theory (2)**

Pre-requisite(s): MUS 1101 and 1301; and consent of instructor

This course is an in-depth study of the harmonic and melodic basis of jazz, including the use of modes and extensions in jazz improvisation and composition, and reharmonization and analysis of performers' improvised solos. Students will develop skills in ear training and practical jazz music.

**MUS 4210 Organ Methods (2)**

For prospective organ teachers: methods and materials; church and concert repertoire.

**MUS 4213 Service Playing (2)**

Pre-requisite(s): Organ major or consent of instructor

Study of techniques and resources for organ playing in the context of a worship service.

**MUS 4216 Opera Project I (2)**

Pre-requisite(s): Audition and/or consent of instructor

Training class for singers and choral conducting students in stage techniques.

**MUS 4218 Opera Project II (2)**

Pre-requisite(s): Audition and/or consent of instructor

Training class for singers and choral-conducting students in stage techniques.

**MUS 4219 Marching Band/Jazz Pedagogy (2)**

Pre-requisite(s): MUS 3001 Philosophy, materials, and techniques of high school marching bands and jazz ensembles

**MUS 4220 Acting for Singers I (2)**

Pre-requisite(s): Consent of instructor

Acting for Singers I is a beginning acting course for the stage specifically designed to provide appropriate training in acting for young singers who aspire to stage careers in Opera and/or Musical Theatre. The course includes instruction in basic stage deportment for recitals and auditions and is also appropriate for students who plan to teach young vocalists in the future, particularly those called upon to teach Opera Workshop or direct an Opera Scenes Program at the University level and/or direct a Musical Production at the high-school level.

**MUS 4221 Acting for Singers II (2)**

Pre-requisite(s): MUS 4220

Acting for Singers II is the second of two courses designed to provide appropriate training in acting for young singers who aspire to stage careers in Opera and/or Musical Theatre. This course will focus on the individual student rather than the larger group. Students will deal with problems specific to opera and musical theatre including acting within the time-frame of the composer, necessity of singing out to the audience at all times and connection with the conductor during performances. This course is appropriate for aspiring young artists as well as prospective teachers in the fields of vocal and choral music. Prior to taking this course a student should have taken Acting for Singers I or an equivalent.

**MUS 4230 Induction to Music Teaching (2)**

Co-requisite(s):

This course, designed to be taken concurrently with all-level student teaching in music, examines practical issues involved in successful music teaching, such as organization, administration, classroom management, and school governance. Additionally, current controversial issues in education are considered in the context of direct field experiences in music. Students must earn at least a grade of C in this course.

**MUS 4236 Performer Wellness (2)**

Pre-requisite(s): Upper-level standing

This course is designed to address music wellness issues and help musicians adopt a healthy approach to performance that will allow them to perform at their best. Regular performance practice will be integrated with relaxation techniques such as stretching, deep breathing, imagery, and progressive relaxation. Practice and memorization techniques to assist with performance preparation will also be covered.

**MUS 4237 Creative Entrepreneurship in Music (2)**

Pre-requisite(s): Music majors only

Development of fundamental skills music-based entrepreneurship, and creative thinking beyond the practice room as preparation for 21st-century careers in music.

**MUS 4259 Fundamentals of Conducting (2)**

Introduction to advanced conducting techniques. Focus will be on strengthening skills from undergraduate conducting courses and building strategies for score preparation, knowledge, and facility.

**MUS 4260 Orchestral Conducting (2)**

Pre-requisite(s): MUS 3260

Advanced study of instrumental conducting techniques and related preparation and score study, specifically applied to orchestral ensembles.

**MUS 4261 Advanced Choral Conducting (2)**

Pre-requisite(s): MUS 3261

Advanced study of choral conducting techniques and related preparation and score study, specifically applied to choral ensembles.

**MUS 4262 Band Conducting (2)**

Pre-requisite(s): MUS 3260

Advanced study of instrumental conducting techniques and related preparation and score study, specifically applied to bands and wind ensembles.

**MUS 4270 Music Ministry Internship (2)**

A four-week internship (one hundred sixty hours) in a church under the direct supervision of the minister of music. Periodic observations by the faculty.

**MUS 4274 Congregational Song (2)**

The study of congregational music used in corporate worship. The course includes the historical development of congregational song and the analysis of its literary, scriptural, musical, and theological content.

**MUS 4280 Senior Seminar and Paper (2)**

Pre-requisite(s): MUS 3301

Introduction to bibliography, research methods, and scholarly writing, providing the opportunity for specialized work in the student's major area in music history and literature or theory degrees.

**MUS 4299 Vocal Pedagogy (2)**

A study of the singing voice including anatomy and physiology of the larynx and the breathing mechanism, phonation, basic acoustics, vocal registers, vocal pathologies, and hygiene, among other related subjects.

**MUS 4301 Advanced Analysis (3)**

Pre-requisite(s): MUS 3301

Investigation of specialized topics in music analysis, with focus on a particular analytical approach or repertoire.

**MUS 4304 Counterpoint (3)**

Pre-requisite(s): MUS 2102 and 2302

Principles of modal and harmonic counterpoint.



**MUS 4305 Advanced Counterpoint (3)**

Pre-requisite(s): MUS 4304

A continuation of MUS 4304. Advanced work in specialized areas of counterpoint.

**MUS 4307 Advanced Composition I (3)**

Pre-requisite(s): MUS 3304

Continuation of MUS 3308.

**MUS 4308 Advanced Composition II (3)**

Continuation of MUS 4307. Includes a recital of original works.

**MUS 4315 Advanced Piano Pedagogy and Practicum I (3)**

Comprehensive study and practical experiences of the group teaching process at the collegiate level. Lesson planning, group dynamics, materials, the electronic laboratory, and the different types of instruction are included.

**MUS 4316 Advanced Piano Pedagogy and Practicum II (3)**

Pre-requisite(s): MUS 4315

Continuation of MUS 4315.

**MUS 4319 Operatic Role Preparation (3)**

Pre-requisite(s): MUEN 1104 or 5004; upper-level standing

Role Preparation will cover the research into the genesis of a specific opera as well as the music of a role from that opera. Students will have the opportunity to learn operatic roles that they, and their applied voice teacher, feel are appropriate for their voices and abilities. Students will then receive musical and dramatic coaching on their roles and will present semi-staged or concert versions of their roles at the end of the semester. May be repeated once for credit.

**MUS 4320 Seminar in American Music (3)**

This seminar focuses on interpreting and understanding primary sources, both written and musical (scores), related to the various styles and approaches to the creation of American music.

**MUS 4321 Symphonic Literature (3)**

A survey of orchestral literature.

**MUS 4322 Piano Literature I (3)**

Pre-requisite(s): For music majors only or consent of instructor

Literature of keyboard instruments from early sources to the early nineteenth century.

**MUS 4324 Piano Literature II (3)**

Pre-requisite(s): Enrollment limited to music majors or consent of instructor

Literature of keyboard instruments from the mid-nineteenth century to the present.

**MUS 4325 Opera Literature (3)**

This course examines opera from its origins in the late sixteenth century to the present. Students will learn about opera's musical and literary conventions, its development, and how operas reflect the musical and cultural values of their areas. The scores to be studied are coordinated with recorded and audio/visual examples, as well as with relevant readings from books and periodicals. Class discussion, presentations, essays, listening tests, and a final project are part of the course.

**MUS 4326 American Folk Music (3)**

Folk and tribal music in the United States. Specific topics include: music of native Americans, oral tradition music of European immigrants, oral tradition music created in America, African and African-American music, the Latin American musical influence, and ethnomusicology as a discipline of study. Current and historical topics will be included. Students will participate in field research projects.

**MUS 4327 Song Literature I (3)**

Music for solo voice from its beginnings to the present.

**MUS 4329 Song Literature II (3)**

Continuation of MUS 4327.

**MUS 4331 Band Literature (3)**

Literature for wind ensemble and band from early sources to the present.

**MUS 4333 Percussion Literature and Pedagogy (3)**

Solo and chamber music and pedagogy for percussion instruments.

**MUS 4334 String Chamber Literature (3)**

Chamber music for string instruments.

**MUS 4335 Woodwind Literature and Pedagogy (3)**

Solo and chamber music literature and pedagogy for woodwind instruments.

**MUS 4336 Brass Literature and Pedagogy (3)**

Solo and chamber music and pedagogy for brass instruments.

**MUS 4337 Choral Literature (3)**

Pre-requisite(s): MUS 3261

Secular and religious choral music representing style periods from the late Renaissance to the present.

**MUS 4342 American Musical Theater (3)**

Important historical, cultural, musical and production moments in the century-long narrative of the American musical theatre. Specific topics may vary from year to year. The course is designed for upper-level music majors; theatre majors and other students should consult with instructors before enrolling.

**MUS 4343 Organ Literature I (3)**

The organ and its literature from the earliest manuscripts and tablatures through 1750.

**MUS 4344 Organ Literature II (3)**

The organ and its literature from 1750 to the present.

**MUS 4345 History of Classical Music in the United States (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

This course introduces both music majors and non-music majors to the often overlooked contributions of creative Americans to the field of "classical" music from the beginning of the United States' existence to the present time.

**MUS 4350 International Music Education (3)**

An exploration of music education practices in international school settings, including curricular comparisons, student populations, and program configurations. Attention will be given to any specialized procedures required for those interested in teaching in international environments post-graduation. This course may be repeated once.

**MUS 4360 Ethnographic and Analytical Methods in Ethnomusicology (3)**

Cross-listed as ANT 4361

Pre-requisite(s): Junior standing or above

Introduction to analytical methods, ethnography, and fieldwork techniques in ethnomusicology in order to equip students with practical tools to conduct ethnographical research and fieldwork.

**MUS 4361 Traditional Music and Culture in Africa (3)**

Pre-requisite(s): Junior standing and above

Analysis of specific African musical traditions within their cultural, geographical, historical, and social contexts as points of departure for analyzing and understanding broader patterns and dynamics of human activity.



**MUS 4362 Traditional Music and Culture in Asia (3)**

Cross-listed as AST 4362

Pre-requisite(s): Junior standing and above

Analysis of specific Asian musical traditions within their cultural, geographical, historical, and social contexts as points of departure for analyzing and understanding broader patterns and dynamics of human activity.

**MUS 4363 Traditional Music and Culture in Europe (3)**

Cross-listed as SEES 4363

Pre-requisite(s): Junior standing and above

Analysis of specific European musical traditions within their cultural, geographical, historical, and social contexts as points of departure for analyzing and understanding broader patterns and dynamics of human activity.

**MUS 4364 Traditional Music and Culture in Latin America (3)**

Cross-listed as LAS 4364

Pre-requisite(s): Junior standing or above

Analysis of specific Latin American musical traditions within their cultural, geographical, historical, and social contexts as points of departure for analyzing and understanding broader patterns and dynamics of human activity.

**MUS 4365 Music and Identity in Texas Culture (3)**

Analysis of specific Texas musical traditions within their cultural, historical, and social contexts as points of departure for analyzing broader patterns and dynamics of human activity reinforcing identity.

**MUS 4366 Performance Practices in World Music (3)**

Pre-requisite(s): Junior level standing and consent of instructor

Academic approach to a variety of performance practice techniques used in traditional and urban musical genres around the world.

**MUS 4373 Worship in the Church (3)**

A study of the music in worship from biblical times to the present. Includes strengthening worship leadership and planning skills and thereby connecting the principles and practice of music making in worship to the broader life of the Church in a local context.

**MUS 4374 The Song of the Church (3)**

Cross-listed as THEO 7397

A survey of vocal music in the Christian church, with particular emphasis upon the literary, scriptural, theological, musical, historical, and performance background of congregational song, and an introduction to selected standard sacred choral literature.

**MUS 4375 Leadership in Music Ministry (3)**

Cross-listed as THEO 7393

A survey of the principles involved in organizing and implementing a comprehensive music ministry, including budgeting, programming, and multiple staff relationships. An introduction to pastoral skills including visioning, hospital visitation, and conflict management.

**MUS 4381 Special Topics (3)**

An in-depth study of a narrowly circumscribed topic, such as a composer or genre. This course provides the opportunity to utilize special skills and knowledge of outstanding resident or visiting faculty. May be repeated for credit.

**MUS 43C1 Aesthetic Perception (3)**

Cross-listed as ARTH 43C1, ENG 43C1

See ENG 43C1 for course information.

**MUS 4F30 All-Level Student Teaching in Music (10)**

Co-requisite(s): MUS 4230

Pre-requisite(s): 2.75 minimum GPA; MUS 4001; all degree requirements completed except for MUS 4230

Practice in all student teacher proficiencies at the elementary, middle school, and secondary levels, including classroom organization and management, assessment, planning/delivery of instruction, adapting instruction for individual needs, collaboration, technology, and professionalism. A one-semester practicum for music education students. The course provides fifteen weeks of full-day supervised practice in all student teacher proficiencies at the elementary, middle school, and secondary levels, including classroom organization and management, assessment, planning/delivery of instruction, adapting instruction for individual needs, collaboration, technology, and professionalism.

**MUS 4F31 All-Level Student Teaching in Music (out-of-town) (10)**

Co-requisite(s): MUS 4230

Pre-requisite(s): 2.75 minimum GPA; MUS 4001; all degree requirements completed except for MUS 4230

Practice in all student teacher proficiencies at the elementary, middle school, and secondary levels, including classroom organization and management, assessment, planning/delivery of instruction, adapting instruction for individual needs, collaboration, technology, and professionalism. A one-semester practicum for music education students. The course provides fifteen weeks of full-day supervised practice in all student

**MUS 4V09 Advanced Electroacoustic Music Composition (1-3)**

Pre-requisite(s): MUS 4203 and consent of instructor

A continuation of MUS 4203. At least one substantial creative project will be completed. Course may be repeated for credit.

**MUS 4V10 Workshop in Elementary School Music (1-3)**

Designed especially for music teachers and elementary classroom teachers, and open to music education majors.

**MUS 4V11 Workshop in Instrumental Music (1-2)**

Designed especially for music teachers and others who are involved in instrumental music direction or instruction, and open to music education majors.

**MUS 4V12 Workshop in Choral Music (1-2)**

Designed especially for music teachers and others who are involved in choral music direction or instruction, and open to music education majors.

**MUS 4V13 Workshop in Keyboard Music (1-9)**

An intensive workshop on keyboard methods and materials.

**MUS 4V80 Independent Studies (1-3)**

Pre-requisite(s): Consent of instructor

Independent research undertaken by the student under the supervision of one faculty member. This course is limited to superior students working in their major area. It cannot duplicate the content of another course or substitute for degree requirements.

## Music Ensemble (MUEN)

### **MUEN 1010 Spring Athletic Bands (0)**

Pre-requisite(s): Audition/Instructor approval

Students enrolled in Spring Athletic Bands will rehearse and perform in support of designated spring sports and activities. Membership is open to both music and non-music majors and is determined by audition/instructor approval. Students will be selected to perform at both "home" and "away" games and activities at the discretion of the instructor. Rehearsals will occur once weekly.

### **MUEN 1050 Ensemble (0)**

Participation in various ensembles of the School of Music. Instruction approval required.

### **MUEN 1100 A Cappella Choir (1)**

The Baylor University A Cappella Choir is Baylor's premier choral organization. The seventy-voice choir sings a wide range of musical styles.

### **MUEN 1101 Orchestra (1)**

The Baylor University Symphony Orchestra is dedicated to high-quality performance of the orchestra repertoire and to the professional and artistic growth of its members. The Baylor University Concert Orchestra is a string orchestra composed of undergraduate and graduate students from a variety of curricula from across the Baylor University campus.

### **MUEN 1102 Marching Band (1)**

The Baylor University Golden Wave Marching Band of approximately 260 students from twenty states performs a pregame and halftime show for each of Baylor's home football games. In addition, the band travels to several out-of-town games.

### **MUEN 1103 Symphonic Band (1)**

The Symphonic Band is a sixty-member ensemble that performs a wide variety of literature including chamber works, masterworks for band, and contemporary wind literature. The philosophy of the Symphonic Band is to encourage musical growth in all students through careful selection of appropriate repertoire. Membership in the Symphonic Band is open to both music and non-music majors through audition in both fall and spring semesters.

### **MUEN 1104 Opera (1)**

The Opera class is an ensemble that exists to provide Vocal Students at Baylor University with appropriate performance opportunities in opera and/or musical theatre. The Baylor Opera produces at least two productions per school year. The principal production or "Showcase Opera" is produced once each year and features the Baylor Symphony Orchestra and an Opera Chorus when literature calls for one. At least one additional production is also scheduled each year, along with a smaller production or program of opera scenes. This course is strictly an Ensemble. All class, rehearsal and coaching sessions are used to prepare works for performance. Roles in Baylor Opera's productions are cast by audition.

### **MUEN 1105 Chamber Singers (1)**

The sixteen-voice Chamber Singers specialize in the performance of music of the Renaissance and Contemporary Periods. The group serves as the primary performance group of Baylor's Armstrong-Browning Library.

### **MUEN 1106 Jazz Ensemble (1)**

The Baylor Jazz program is a program dedicated to the study and performance of the uniquely American art form of Jazz. The ensembles are made up of students from many different disciplines from around the campus.

### **MUEN 1107 Concert Choir (1)**

The ninety-voice Concert Choir performs music from all styles of choral repertoire with emphasis on accompanied works.

### **MUEN 1108 Wind Ensemble (1)**

The Baylor Wind Ensemble is comprised of the finest woodwind, brass, and percussion students in the Baylor University School of Music. Membership in the ensemble is open to student of all majors by audition. The Wind Ensemble seeks to expose its students and its audiences to the highest quality of music written for wind instruments from the Renaissance to the present. This repertoire, along with regular visits by leading composers, exposes students to a wide variety of compositional techniques, rehearsal processes and expressive possibilities.

### **MUEN 1109 Concert Band (1)**

The Concert Band consists of students who come from all facets of university life. Meeting twice a week, this group offers any student the opportunity to continue instrumental performance with a limited rehearsal schedule. No audition is required.

### **MUEN 1120 Early Music Ensemble (1)**

The Baylor Early Music Ensemble performs music from the Medieval, Renaissance, and Baroque eras. Cultural contexts and historical performance practices are explored in the rich musical repertoires of our past.

### **MUEN 1121 Baylor University Men's Choir (1)**

The Baylor University Men's Choir (formerly Men's Glee Club) is an auditioned group of male musicians. The group's annual season includes performances for Parent's Weekend, Fall and Spring Concerts, Tour Concerts, the Baylor University Christmas Concerts, and frequent appearances for university guests, alumni, and members of the wider community. Membership in the choir is open by audition to all male students on the Baylor campus and includes representatives from many departments and majors. Regular rehearsals consist of two eighty-minute sessions each week.

### **MUEN 1122 Small Vocal Ensemble (1)**

This ensemble will focus primarily on contemporary a cappella and vocal jazz. The group will work to perform on campus as well as in and around the Waco community.

### **MUEN 1124 Women's Choir (1)**

The Baylor University Women's Choir is an auditioned ensemble dedicated to the study and performance of music for the female voice. Annual performances include the Parent's Weekend concert, Fall and Spring concerts, Christmas at Baylor, and hosting the Baylor Women's Choir Festival – an event attended by over 250 high school women's choir singers each year. The choir also sings at a variety of events in the community and undertakes recording projects. Membership is open through audition to female students in any degree program at Baylor.

### **MUEN 1125 Baylor Bronze (1)**

The "Baylor Bronze" handbell ensemble rings five octaves of bells and five octaves of chimes.

### **MUEN 1126 Baylor Bells (1)**

Pre-requisite(s): Consent of instructor

This performance ensemble provides a foundation for handbell ringing at the beginning and intermediate levels.

**MUEN 1130 Chamber Music (Strings) (1)**

All instrumental students participate in faculty-coached, regularly-scheduled, un-conducted ensembles. Participation in these ensembles improves the student's musical perception, technical facility and expressive capabilities. In addition to broadening the students' knowledge of repertoire for small combinations of instruments, they learn how to work together with and without supervision.

**MUEN 1131 Chamber Music (Brass) (1)**

See MUEN 1130 for general description of chamber music classes.

**MUEN 1132 Chamber Music (Woodwind) (1)**

See MUEN 1130 for general description of chamber music classes.

**MUEN 1133 Chamber Music (Percussion) (1)**

See MUEN 1130 for general description of chamber music classes.

**MUEN 1134 Harp Ensemble (1)**

See MUEN 1130 for general description of chamber music classes.

**MUEN 1135 Piano Ensemble (1)**

Introduction to literature for piano duet and piano duo from a variety of style periods. The study of piano ensemble music will provide students with new ways of listening to and thinking about solo and ensemble music.

**MUEN 1136 Studio Accompanying (1)**

First semester: Introduction to collaborative repertoire and techniques. Emphasis is on efficient personal practice methods and ensemble rehearsal techniques in the first half of the semester; special attention is given to score study, sight-reading, and time management, as well as techniques for dealing with orchestral reductions. Collaborative skills of balance, ensemble, and shared musical leadership are addressed through master class and private coaching of repertoire prepared as part of required assignments in vocal and/or instrumental studios. Subsequent semesters: Repertoire prepared as part of assignments in instrumental and vocal studios is coached privately and in master class. Collaborative skills of balance, ensemble, and shared musical leadership are emphasized, along with rehearsal techniques and study methods specific to the preparation of vocal repertoire as distinct from instrumental repertoire. Assignments include applied lessons, rehearsals, and related public performances as appropriate.

**MUEN 1137 Keyboard Skills (1)**

Designed to develop basic keyboard proficiency in sight-reading, transposition, open score reading, improvisation, accompanying, and ensemble playing. The specific roles and skills required of the church pianist, the conductor-choral accompanist, and the commercial pianist (studio, musical theater) are covered. Basic introduction to digital keyboards. Fundamentals of conducting and choral rehearsal techniques from the piano.

**MUEN 1138 Jazz Combo (1)**

This course is designed to help students to develop rehearsal and performance techniques to perform effectively and successfully in a small jazz ensemble or combo.

**MUEN 1193 Baylor Bella Voce (1)**

Pre-requisite(s): Consent of instructor

Baylor Bella Voce is a highly select women's choral ensemble of forty-two singers. Entrance into this ensemble is by audition only. The course is open primarily to music majors (voice majors, choral music education majors, and church music majors) at the undergraduate level. Students from other disciplines may be allowed into the courses as determined by the conductor of the ensemble (instructor of the course). Baylor Bella Voce performs a wide and interesting variety of choral selections reflecting various style periods and genres from the vast repertoire of treble music currently available. The ensemble presents performances within the university community, the local community, the state, and the nation, and even internationally. Through the study and performance of some of the most challenging treble literature available, students have the opportunity to maximally develop musical, vocal, and ensemble skills.

## Neuroscience (NSC)

**NSC 1101 New Student Seminar in Psychology and Neuroscience (1)**

Cross-listed as PSY 1101

See PSY 1101 for course information.

**NSC 1106 Introduction to Neuroscience Laboratory (1)**

Pre-requisite(s): NSC 1306 or concurrent enrollment

Laboratory experiments illustrating procedures in neuroanatomy, behavioral neuroscience, animal learning and behavior, and human sensation and perception.

**NSC 1306 Introduction to Neuroscience (3)**

An introduction to the biological bases of human and animal behavior.

Emphasis is placed upon neuroanatomical, neurophysiological, and behavioral methodologies which contribute to an understanding of brain-behavior relationships.

**NSC 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**NSC 2306 Research Methods in Neuroscience (3)**

Pre-requisite(s): NSC 1306 with a grade of B or better

An introduction to fundamental principles, techniques, and procedures that underlie neuroscience research.

**NSC 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**NSC 3111 Laboratory in Cognition (1)**

Cross-listed as PSY 3111

Pre-requisite(s): NSC 3311 or concurrent enrollment

Laboratory experiments illustrating methods and procedures in cognitive psychology.

**NSC 3120 Laboratory in Learning and Behavior (1)**

Cross-listed as PSY 3120

Pre-requisite(s): NSC 3320 or PSY 3320 or concurrent enrollment

Laboratory experiments illustrating methods and procedures in learning and behavior.

**NSC 3123 Laboratory in Sensation and Perception (1)**

Cross-listed as PSY 3123

Pre-requisite(s): NSC 3323 or PSY 3323 or concurrent enrollment

Laboratory experiments illustrating methods and procedures in sensation and perception.

**NSC 3311 Cognition (3)**

Cross-listed as PSY 3311

Pre-requisite(s): NSC 1106-1306, and either PSY 2402 or MTH 1321; or consent of instructor

Introduction to the structures and processes involved in human cognition, including thinking, problem solving, language, attention, and memory.

**NSC 3320 Learning and Behavior (3)**

Cross-listed as PSY 3320

Pre-requisite(s): NSC 1106-1306, and either PSY 2402 or MTH 1321 or consent of instructor

An examination of human and animal learning and behavior within a nature-nurture framework.

**NSC 3323 Sensation and Perception (3)**

Cross-listed as PSY 3323

Pre-requisite(s): NSC 1106-1306, and either PSY 2402 or MTH 1321 or consent of instructor

An introduction to the anatomical, physiological, motivational, and cognitive factors which determine conscious sensory and perceptual experience.

**NSC 3370 Affective Neuroscience (3)**

Cross-listed as PSY 3370

Pre-requisite(s): NSC 1306 and 1106

Explores the underlying neural circuits important for normal and abnormal emotional behavior and experience. Focus on neuroimaging studies of human disorders for which there is a critical mass of data regarding the neural underpinnings of psychopathology.

**NSC 3375 Sleep (3)**

Cross-listed as PSY 3375

See PSY 3375 for course information.

**NSC 3381 Neuroscience and the Law (3)**

Pre-requisite(s): NSC 1306 and (PSY 2405 or NSC 2306)

Examines neuroscience methods and research related to criminal and civil law and society at large, providing a broad overview of the major topics in the area.

**NSC 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**NSC 4119 Laboratory in Clinical Neuroscience (1)**

Cross-listed as PSY 4119

Pre-requisite(s): Credit or concurrent enrollment in either NSC 4319 or PSY 4319

Laboratory experiments illustrating methods and procedures in clinical neuroscience.

**NSC 4130 Advanced Laboratory in Neural Science (1)**

Cross-listed as PSY 4130

Pre-requisite(s): NSC/PSY 4330 or concurrent enrollment

Laboratory experiments illustrating methods and procedures in Behavioral Neuroscience.

**NSC 4312 Behavioral Medicine (3)**

Cross-listed as PSY 4312

Pre-requisite(s): NSC 1106 and 1306 or consent of instructor

Topics include the role of mind, brain, and behavior in health, disease and wellness; the history, philosophy, and current status of health care systems; physiological and behavioral analyses of stress; psychoneuroimmunology; behavioral factors in cardiovascular disease, cancer, drug abuse, and weight management.

**NSC 4317 Literature of Behavioral Neuroscience (3)**

Cross-listed as PSY 4317

Pre-requisite(s): NSC 1106-1306 and PSY 2402 or consent of instructor

An intensive introduction to the scientific literature in behavioral neuroscience. Students will be exposed to the contemporary literature through an examination of fundamental contributions in several areas. Preparation of a serious paper in a specific area of current research interest is required.

**NSC 4319 Clinical Neuroscience (3)**

Cross-listed as PSY 4319

Pre-requisite(s): NSC 1106 and 1306, and either PSY 2405 or MTH 1321 or consent of instructor

A survey of current neuroscientific contributions to the understanding of the etiology of various mental disorders. The course covers basic principles of neural science followed by an examination of motivation and emotions within a neuroscience framework.

**NSC 4324 Research on the Senses and Perception (3)**

Cross-listed as PSY 4324

Pre-requisite(s): NSC 1106-1306 and PSY 2402 or consent of instructor

A study of individual problems in perception through directed reading, independent research, and/or laboratory work.

**NSC 4330 Advanced Principles of Neural Science (3)**

Cross-listed as PSY 4330

Pre-requisite(s): NSC 1106-1306 and PSY 1305, or consent of instructor

A study of the structure and function of the human nervous system as related to behavior.

**NSC 4356 Neuropharmacology (3)**

Pre-requisite(s): NSC 1306

The pharmacology of major drugs that work primarily on the nervous system, with an emphasis on pharmacodynamics (receptor subtypes, locations, and functions).

**NSC 4371 Advanced Research in Neuroscience (3)**

Pre-requisite(s): Consent of instructor

An in-depth laboratory research experience in neuroscience as supervised by a faculty mentor.

**NSC 4V96 Special Topics in Neuroscience (1-4)**

Pre-requisite(s): Consent of instructor

May be repeated once with change of topic.

**NSC 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Nursing (NUR)

**NUR 1101 Introduction to the Art and Science of Nursing (1)**

First-year student seminar that provides an overview of general student success strategies and an introduction to the mission of Baylor University and the Louise Herrington School of Nursing. A survey of the nursing profession, career opportunities, and a faith-based understanding of holistic care. Includes a field trip that introduces students to nursing faculty members and the clinical setting.



**NUR 2340 The Experience of Illness (3)**

This course examines the human experience of illness using the narratives of persons with a variety of health conditions, essays that reflect upon the meaning of illness, and nursing research. By understanding illness from the patient's point of view, students entering the health professions will be better able to plan and deliver appropriate care. The course emphasizes class discussion and is taught as a seminar.

**NUR 3100 Continuum of Clinical Reasoning (1)**

Pre-requisite(s): NUR 3310, 3314, 3316, 3414, and 3420

Test taking skills with a focus on critical thinking. Students will apply skills in a computerized testing setting. On line resources will be utilized.

**NUR 3200 Professional Nursing Practice: Introduction to Professional Nursing (2)**

Co-requisite(s): NUR 3316, NUR 3420

Pre-requisite(s): Admission into the School of Nursing

Professional nursing practice with individuals and families experiencing obvious and/or less complex unmet human needs from diverse populations. Practicum experiences will focus on medical-surgical nursing.

**NUR 3212 Professional Development: Foundations for Practice (2)**

Pre-requisite(s): Admission to nursing major

Introduces the role of the professional nurse as a member of the interprofessional health care team, through concepts such as the nursing process, standards of practice, and philosophy of nursing from a current and historical perspective. Critical thinking, therapeutic communication and caring are also introduced as tools to enhance the nurse-patient relationship.

**NUR 3222 Professional Development: Health Promotion and Patient Education (2)**

Pre-requisite(s): Admission to the nursing major

Concepts of health promotion and patient education emphasizing theories, practice and application.

**NUR 3224 The Maturing Family (2)**

Pre-requisite(s): NUR 3212 and 3314

Issues and theories of family and aging affecting human needs fulfillment as related to the maturing family and older adult.

**NUR 3225 Professional Nursing Practice: Care of the Patient with Medical Surgical Need (2)**

Pre-requisite(s): NUR 3212, 3314, 3316, 3330, 3200, and 3420

Professional nursing practice with individuals and families experiencing less obvious and/or more complex unmet human needs from diverse populations. Practicum experiences will focus on medical-surgical nursing.

**NUR 3226 Professional Nursing Practice: Care of the Patient with Mental Health Needs (2)**

Pre-requisite(s): NUR 3212, 3314, 3316, 3330, 3200, and 3420

Professional nursing practice with individuals and families experiencing less obvious and/or more complex unmet human needs from diverse populations. Practicum experiences will focus on mental health nursing.

**NUR 3314 Health Assessment (3)**

Pre-requisite(s): Admission to the nursing major

Technique for conducting a physical assessment, collecting a health history, and documenting findings.

**NUR 3315 Physical Assessment (3)**

Pre-requisite(s): Admission to the nursing major

An auto-tutorial course, for RN students only, which introduces the concepts and techniques of physical assessment across the lifespan. The student will perform physical assessments in the campus lab setting.

**NUR 3316 Human Needs I (3)**

Pre-requisite(s): Admission in nursing major

Course introduces the human needs framework. Students are introduced to the role of the nurse as a facilitator of the nursing process. Case studies provide opportunities for learners to explore relationships among human needs, identify nursing interventions including those related to pharmaceuticals and plan care for a variety of physiologic, psychosocial and spiritual client needs.

**NUR 3317 Human Needs II (3)**

Co-requisite(s):

Pre-requisite(s): NUR 3314, 3316, 3330, 3200, and 3420

This course continues the introduction to the role of the nurse as facilitator of the nursing process within the Human Needs Framework. Case studies provide opportunities for learners to actively explore relationships among human needs, identify nursing interventions including those related to ethics and pharmaceuticals, and plan care for a variety of physiologic, psychosocial, and spiritual needs within the contact of family.

**NUR 3324 The Maturing Family (3)**

Co-requisite(s):

Pre-requisite(s): NUR 3212, 3316, and 3420

A study of topics related to human needs fulfillment of older adults, their families, and significant others in their lives. An overview of theories of aging, and survey of social, legal, and political issues and trends in the United States will provide a foundation for the nursing assessment, planning, and delivery of nursing care for the older adult. Learners will also have the opportunities to explore the application of the human needs framework to the aging process.

**NUR 3328 Mental Health Nursing: Individuals, Groups, and Family (3)**

Pre-requisite(s): NUR 3316, NUR 3330, NUR 3420, NUR 3200, and NUR 3314

Continued study of human needs framework describing selected human needs categories, relationships among human needs, interruptions in human need fulfillment, and the basis for and techniques of nursing intervention across all levels of care.

**NUR 3330 Introduction to Professional Nursing Practice (3)**

Pre-requisite(s): Admission into the School of Nursing

An introduction to the concepts of professional nursing practice, emphasizing the establishment of the nurse-patient relationship, application of the nursing process, and development of psychomotor skills.

**NUR 3350 Integration to Professional Nursing (3)**

Pre-requisite(s): Admission to joint BSN-MSN track

A professional development course with emphasis upon issues and trends impacting professional nursing practice.

**NUR 3420 Pathophysiology and Pharmacology I (4)**

Pre-requisite(s): Admission in nursing major

Course introduces the pathophysiological basis of illness as a hindrance to human needs fulfillment. Epidemiological and genetic factors influential on pathophysiology and pharmacological therapy are addressed. Interferences with human physiologic functioning and adaptive processes are identified. Pharmacological principles are included as an essential element of nursing care.



**NUR 3421 Pathophysiology and Pharmacology II (4)**

Co-requisite(s):

Pre-requisite(s): NUR 3420

This course continues the introduction to the pathophysiological basis of illness as a hindrance to human needs fulfillment. Epidemiological and genetic factors influential on pathophysiology and pharmacological therapy are addressed. Interferences with human physiologic functioning and adaptive processes are identified. Pharmacological principles are included as an essential element of nursing care.

**NUR 3425 Professional Nursing Practice II (4)**

Pre-requisite(s): All Semester I courses

Professional nursing practice with individuals and families experiencing less obvious and/or more complex unmet human needs from diverse populations. Laboratory experiences include medical-surgical and mental health settings.

**NUR 3426 Professional Nursing Practice II Fast Bacc (4)**

Pre-requisite(s): All Semester I courses

Professional nursing practice with individuals and families experiencing less obvious and/or more complex unmet human needs from diverse populations. Laboratory experiences include medical-surgical and psychiatric settings.

**NUR 4010 Medication Administration (0)**

Pre-requisite(s): NUR 3414, 3425, 4335, 4345 or 4435

Self-paced no credit mastery course focused on essential mathematical concepts and related skills in computation of medication dosages. Special considerations of safe dosages in children and of continuous IV infusion of medications are included. An individualized plan is developed for the student following an assessment exam.

**NUR 4100 Preparation for Professional Licensure (1)**

Pre-requisite(s): All semester I, II and III courses

Can be taken concurrently with other Level IV courses. This course prepares the student for the process of professional licensure by examination. Students work with the course instructor on test taking strategies, studying techniques and planning for comprehensive exit examinations.

**NUR 4225 Professional Nursing Practice: Care of the Childbearing Family (2)**

Pre-requisite(s): NUR 3225, 3226, 3317, 3324, 3328, and 3421

Professional nursing practice with individuals and families experiencing less defined and/or more complex unmet human needs from diverse populations. Practicum experiences will focus on obstetric and newborn nursing.

**NUR 4226 Professional Nursing Practice: Care of the Childrearing Family (2)**

Pre-requisite(s): NUR 3225, 3226, 3317, 3324, 3328, and 3421

Professional nursing practice with individuals and families experiencing less defined and/or more complex unmet human needs from diverse populations. Practicum experiences will focus on pediatric nursing.

**NUR 4240 Professional Development: Transition to Practice (2)**

Pre-requisite(s): All nursing courses in Semesters I and II of the major  
Entry into practice and career development concerns, ethical theories, values clarification, and current practice issues affecting the role of the nurse as a professional.

**NUR 4309 Parish Nursing (3)**

Pre-requisite(s): Consent of the instructor

Basic preparation to function as a parish/congregation nurse in a faith-based health ministry. This course includes theory related to the theology of health, healing, and wholeness. Roles and functions of the parish nurse are discussed. Emphasis is placed on how to begin a parish nurse ministry including legal and ethical considerations.

**NUR 4316 Perioperative Nursing (3)**

Pre-requisite(s): All courses in Semesters I, II and III of the major or consent of instructor

Professional nursing practice roles and skills used to promote human needs fulfillment in the preoperative, intraoperative and postoperative phases of a client's surgical experience.

**NUR 4317 High Risk Perinatal Nursing (3)**

Pre-requisite(s): All courses in Semester I, II, and III of the major

This course focuses upon nursing care to promote human needs fulfillment for families experiencing prenatal, intrapartal, postpartal and/or neonatal complications.

**NUR 4320 Complementary Therapies and Traditional Chinese Medicine (3)**

Pre-requisite(s): Consent of course instructor

The purpose of this course is to provide an opportunity for health professions students to experience a study abroad program with a focus on complementary and alternative therapies. Students and faculty will explore health and Traditional Chinese Medicine (TCM) practices within the context of the Chinese culture and health care delivery settings. Students will also examine the Chinese system of health professions education and dialogue with students enrolled in selected programs in China.

**NUR 4329 Child Health Nursing in Great Britain (3)**

Pre-requisite(s): Completion of Level III or consent of instructor

This course will explore international similarities and differences within health care delivery systems in the area of child health nursing. Exploration of the international dimensions of the discipline of pediatric nursing will take place in Great Britain. Students will identify care practices that will enhance their own nursing practice.

**NUR 4330 Women's Health in Great Britain (3)**

Pre-requisite(s): Successful completion of Level II courses or consent of instructor

Exploration of international similarities and differences within health care delivery systems in the area of women's health nursing. Problems discussed will range from the issues surrounding reproduction to the changing roles of women in society. Exploration of the international dimensions of the discipline of women's health concerns will take place in Great Britain.

**NUR 4331 Health Care in Argentina (3)**

Pre-requisite(s): Completion of Level III courses or consent of instructor  
Students will compare and contrast health care delivery and nursing care in United States and Argentina. They will tour local hospitals and clinics, follow Argentinian nursing students in their community visits, and hear from local faculty about nursing care in Argentina.

**NUR 4334 The Childbearing Family (3)**

Pre-requisite(s): NUR 3317, 3324, 3328, 3421, 3225 and 3226

Study family process, childbearing and nursing care to promote human needs fulfillment of the developing family.

**NUR 4335 Professional Nursing Practice: Transition to Practice (3)**

Pre-requisite(s): All semester III courses and successful completion of semester IV math med exam

Integrates professional nursing practice while delivering care to diverse clients experiencing complex unmet needs. Clinical settings for this concentrated, 135 hour capstone will be determined following course guidelines with consideration given to student's preferences.

**NUR 4338 Analysis and Synthesis of Complex Human Needs (3)**

Pre-requisite(s): All Semester III courses

Analysis of individuals with multiple and/or complex disruptions of human needs and the effect on individuals, families, groups, and/or communities. A case-study/discussion format will be used to integrate physiological, psychosocial, and spiritual needs across the lifespan.

**NUR 4339 The Childrearing Family (3)**

Pre-requisite(s): NUR 3317, 3324, 3328, 3421, 3225 and 3226

Identify nursing care to promote fulfillment of human needs in the childrearing family. Specific health problems of the individual from infancy through adolescence which disrupt the integrity of the family are addressed.

**NUR 4340 Global Health (3)**

Pre-requisite(s): NUR 3200, 3212, 3314, 3316, 3330, 3420 Overviews global health issues and the role of health education and public health worldwide

**NUR 4341 Nursing Professional Development: Leadership and Management (3)**

Pre-requisite(s): Completion of NUR 3225, 3226, 3317, 3324, 3328 and 3421

Overview of leadership styles and management theories will assist students in identifying and applying management concepts to promote personal and professional growth, develop professional communication skills, manage conflict, implement change, make evidence-based decisions, promote safe and effective patient care, and create a healthy work environment.

**NUR 4345 Professional Nursing Practice: Population Health Nursing (3)**

Pre-requisite(s): All Semester III courses

Professional nursing practice emphasizing meeting the health needs of culturally diverse and vulnerable individuals, families, groups, and communities. Population health principles are examined and applied as students integrate the nursing process while providing culturally relevant care. Population focused nursing practice may include experiences in family, school, occupational, home health/hospice, faith community, and public health. Nursing.

**NUR 4347 Nursing Clients with Substance Abuse Problems (3)**

Pre-requisite(s): All courses in Semesters I, II, and III of the major or consent of instructor

A study of nursing care including health promotion, prevention and treatment of a variety of client populations experiencing alcohol and drug problems including race/ethnic minorities, the elderly, adolescents and women. Nursing research related to alcohol and drug problems and the role of the nurse in advanced practice in addictions nursing will be investigated.

**NUR 4351 Professional Development: A Consumer of Research (3)**

Pre-requisite(s): NUR 3317, 3324, 3328, 3421, 3225, 3226

Concepts and methods of research.

**NUR 4353 Community and Culture (3)**

Pre-requisite(s): NUR 4351, 4334, 4339, 4341, 4225 and 4226

The nurse's responsibility in the delivery of health care to communities. Emphasis is placed on identifying unmet human needs and designing and evaluating culturally appropriate nursing care.

**NUR 4356 Oncological Nursing (3)**

Pre-requisite(s): All courses in Semesters I, II, and III of the major or consent of the instructor

The application of the nursing process for clients experiencing unmet human needs related to cancer. Nursing care will encompass health promotion, maintenance, restoration, rehabilitation, and illness prevention. Laboratory experiences with oncology clients will be provided.

**NUR 4357 Women's Health Concerns (3)**

Pre-requisite(s): All courses in Semesters I, II, and III of the major or consent of the instructor

This course will serve as an overview of physical, social, behavioral and environmental health concerns and needs of women throughout their life-spans. The course is designed to expand prior knowledge as it relates specifically to women's health, including the latest developments in the prevention, diagnosis, and treatment of diseases, and the impact of social, policy, and environmental factors on women's health.

**NUR 4358 The Role of the Nurse as Lactation Educator and Consultant (3)**

Pre-requisite(s): Completion of all Level III courses or consent of instructor

Nursing care required to promote human needs fulfillment for families who have chosen breastfeeding as the method for providing nutrition for their newborn/infant/toddler.

**NUR 4359 Health Promotion (3)**

Pre-requisite(s): Level I II and commitment to pursue an activity to improve personal health

This course focuses on knowledge, skills, beliefs, and values from previous life experiences and nursing courses in order to develop a broader understanding of human needs through the study of health and health promotion. The course will provide an opportunity for the student to examine his/her own values and beliefs in order to meet human needs through an individualized program and personal health promotion.

**NUR 4360 Nursing and Health Care in Great Britain (3)**

Pre-requisite(s): NUR 3200, 3212, 3314, 3317, 3330, and 3420

Becoming more familiar with health care systems outside the United States equips nurses to expand their perspective and provide care that is competent, compassionate and current. This course will examine nursing within the British health care system, including nursing education, nursing roles within the health care system and health policy.

**NUR 4376 Nursing Care of the Family Experiencing Violence (3)**

Pre-requisite(s): All courses in Semesters I, II, and III of the major or consent of the instructor

A study of an interdisciplinary approach for the care of the family experiencing violence. Human needs are examined as they relate to dysfunctional interaction among family members. Assessment and plans for nursing interventions are made within the context of family, community, and society.

**NUR 4377 Transcultural Nursing: Integrating Care for Spiritual and Physical Needs (3)**

Pre-requisite(s): All courses in Semesters I and II of the major  
 Health care needs for clients from selected cultural groups having various religious and/or spiritual beliefs. Emphasis is placed on the impact of spiritual aspects that influence the client's seeking and accepting health care. Adaptation of nursing care including assessment, nursing interventions, and client teaching to clients of selected cultures will be explored. The role of the nurse in integrating care for both spiritual and physical needs of the client will be emphasized.

**NUR 4378 The Role of the Clinical Research Nurse (3)**

Co-requisite(s):  
 Course will serve as an introduction to the specialty practice of Clinical Research Nursing (CRN) and provide the foundation on concepts essential to the dimensions of CRN practice. Course will be hybrid; students to participate in prescheduled in-class seminars and online class assignments. Course also includes one-to-one mentorship with assigned CRN. Honors College students will develop thesis proposal in addition to course requirements.

**NUR 4387 Environmental Issues and Their Impact on Health and Human Needs (3)**

Pre-requisite(s): All courses in Semester I and II of the major or consent of the instructor

A study of environmental issues and examination of their effect on human needs fulfillment. A review of the United States' progress in improving the condition of its environment and the management of its natural resources is included.

**NUR 4388 Emergency Nursing (3)**

Pre-requisite(s): All courses in Semester I, II, and III of nursing major or consent of instructor

Nursing care that facilitates human need fulfillment for a diverse population of clients in an emergency setting. Students will be provided an opportunity to enhance previously learned nursing skills as they are applied to promote, maintain and restore an optimal level of health to individual clients and families.

**NUR 4389 Nursing and Spirituality (3)**

Pre-requisite(s): All courses in Level I and II or consent of instructor  
 Concepts of spirituality and the relationship to the development of the professional nurse. Emphasis placed on application of Christian values and standards to nursing practice.

**NUR 4390 Camp Nursing Elective (3)**

Pre-requisite(s): NUR 3100, 3310, 3314, 3316, 3317, 3324, 3414, 3420, 3421, 3425, and 4334

This course explores the aspects of nursing in a Christian camp setting. The focus of this course is on applying the nursing process to identify and fulfill the needs of the well child (school age through adolescents) and adult. This course consists primarily of direct provision of nursing interventions under supervision of an RN and/or physician.

**NUR 4391 Care of the Geriatric Client (3)**

Pre-requisite(s): Completion of Semester III level courses or consent of instructor

In-depth nursing knowledge, skill and understanding in dealing with chronic disease states of the geriatric population with exploration of interdisciplinary approaches and community resources. The role of the geriatric nurse will be emphasized. The Standards of Gerontological Nursing will be utilized as a guide for nursing care of the geriatric adult.

**NUR 4395 Introduction to Global Health (3)**

Cross-listed as PUBH 4340

Pre-requisite(s): NUR 3200, 3212, 3314, 3316, 3330, 3420 This study abroad course will increase understanding of complex global health topics and diverse population health care needs  
 Cultural, community, environmental, economic, political, and policy influences on global health will be explored. The course focuses on key global health concepts to enhance effectiveness in health care related policy and practice for interdisciplinary students interested in global health.

**NUR 4396 Independent Study (3)**

Pre-requisite(s): All courses in Semesters I and II of the major  
 Additional course prerequisites vary with topic selected. Subject to proposal approval. GPA 2.75. The opportunity for in-depth study in an area of nursing of his/her choice is provided. Following approval of course proposal, the student will, in collaboration with an assigned faculty member, implement and evaluate the learning experience.

**NUR 4397 End of Life Care (3)**

Pre-requisite(s): Completion of all Semester I II, and III courses or consent of the instructor

In-depth exploration of the alteration in human needs and the nursing care required by terminally ill clients and their families.

**NUR 4398 Introduction to Critical Care Nursing (3)**

Pre-requisite(s): All courses in semester I, II and III of major  
 Focus on nursing care and issues that are commonly associated with clients admitted to Critical Care Nursing Units. Clinical experiences will provide an opportunity to enhance previously learned nursing skills for application within the framework of nursing practice in the complex setting.

**NUR 4435 Professional Nursing Practice III (4)**

Pre-requisite(s): All Semester II courses

Professional nursing practice with individuals and families experiencing less defined and/or more complex unmet human needs from diverse populations. Laboratory experiences include acute care and outpatient pediatric and obstetric settings.

**NUR 4436 Professional Nursing Practice III Fast Bacc (4)**

Pre-requisite(s): All Semester II courses

Professional nursing practice with individuals and families experiencing less defined and/or more complex unmet human needs from diverse populations. Laboratory experiences include acute care and outpatient pediatric and obstetrical settings including neonatal settings, women's health clinics, and childbirth parenting classes.

**NUR 4V06 Life Span Development (1-4)**

This variable credit course provides the opportunity for students who have taken a human development course that did not cover the whole lifespan to meet the requirements by independent study.

**NUR 4V07 Special Studies in Nursing (1-4)**

This variable credit course provides the opportunity for students who have taken nursing courses at another university to meet our course objectives which were not covered by those courses.

**NUR 4V08 Special Topics in Nursing (1-3)**

The special topics, variable credit course provides opportunity for independent and individualized courses of study. This course does not satisfy the elective credit in the major.

**NUR 4V67 Nursing Care of the Transplant Client (3-4)**

Pre-requisite(s): All courses in Semesters I, II, and III of the major or consent of the instructor

The application of knowledge and skills from previous nursing courses to the care of individuals with a serious illness requiring an organ transplant and nursing care to facilitate human needs fulfillment. Laboratory experiences on the transplant units, in intensive care and the transplant clinic will provide opportunities for increasingly complex decision-making and psychomotor skills and application to all levels of care.

## Nutrition Sciences (NUTR)

**NUTR 1401 Introduction to Food Science (4)**

Comprehensive study and experimental laboratory investigation of food constituents with a focus on chemical and physiochemical properties and reactions, including sensory evaluation, microbial safety, and food preservation.

**NUTR 2101 Introduction to the Profession of Nutrition and Dietetics (1)**

History of the profession and the skills and functioning of nutrition and dietetics professionals. Prepares students for their undergraduate major and for entrance into the supervised practice.

**NUTR 2351 Nutrition (3)**

Pre-requisite(s): CHE 1300 or 1301 or 1405; or BIO 1305 or 1401 or 1405  
Scientific approach to the essential nutrients for human growth and development. Macronutrients, micronutrients, and human metabolism have details coverage; a computer diet analysis is conducted.

**NUTR 2380 Intro to Food Delivery Systems (3)**

Pre-requisite(s): A minimum grade of C in NUTR 1401 and NUTR 2351, or consent of the instructor

Introduction to meal service in the setting of the home, institutions, childcare, and restaurants. Management of meal planning, preparation, and service. Emphasis on equipment usage and maintenance and time, money, and nutrient management.

**NUTR 3188 Introduction to the Nutrition Care Process (1)**

Pre-requisite(s): Upper-level standing

Introduction to the Nutrition Care Process (NCP) with an emphasis on the Nutrition Assessment and Nutrition Diagnosis components of this standard protocol, including application of nutrition-focused physical assessment. Medical terminology pertinent to the NCP will also be discussed.

**NUTR 3314 Consumer Nutrition (3)**

Pre-requisite(s): Upper-level standing

Survey of basic nutrition and current issues focusing on personal nutrient needs. Not open to nutrition sciences majors, minors or other students who have taken NUTR 2351.

**NUTR 3351 Nutrition Counseling and Education (3)**

Pre-requisite(s): A minimum grade of C in NUTR 2351

Nutrition counseling and education strategies that can be used for dietary behavior change, emphasizing practical aspects of nutrition counseling.

**NUTR 3386 Experimental Foods (3)**

Pre-requisite(s): A minimum grade of C in NUTR 1401; and BIO 1305, CHE 1301 and 1341, STA 1380 or 2381

Investigation of the composition, functional properties, and reactions of food components. The study of chemical-physical changes which result from processing materials comprising foods. Study of experimental techniques for product development.

**NUTR 3388 Introduction to Medical Nutrition Therapy (3)**

Pre-requisite(s): BIO 1305, [2401 and 2402] or 3322; CHE 1301, 1341; NUTR 3188; and a minimum grade of C in NUTR 2351

In-depth study and proficiency testing of the nutrition care process, medical vocabulary, medical records, clinical math, diabetes, and cardiovascular disease.

**NUTR 3435 Food Service Production (4)**

Pre-requisite(s): A minimum grade of C in NUTR 1401, 2351, and 2380

Quality food production techniques, procedures, and management of meals serving fifty or more people. The function and methods of food management (for profit) will be emphasized in this course.

**NUTR 4151 Nutrition Practicum (1)**

Pre-requisite(s): Departmental approval required

Supervised field experiences in nutrition education and program delivery. A minimum of one hour each week is required in a seminar setting. May be repeated for a maximum of 4 credit hours.

**NUTR 4200 Seminar in Nutrition Sciences (2)**

Pre-requisite(s): Senior standing or consent of the instructor

Professional aspects of nutritional sciences with concentration on ethics, credentialing, communications, marketing, and public policy techniques.

**NUTR 4351 Life Cycle Nutrition (3)**

Pre-requisite(s): A minimum grade of C in NUTR 2351 or consent of instructor

Nutritional needs of individuals as they progress through the life cycle from birth through aging, with considerations of concomitant problems.

**NUTR 4352 World Nutrition (3)**

Pre-requisite(s): A minimum grade of C in NUTR 2351 or consent of the instructor

World hunger as a major international problem. The effects of malnutrition on growth, health, and economic output will be examined.

**NUTR 4386 Nutrition for Sport and Fitness (3)**

Pre-requisite(s): NUTR 2351, BIO [2401 and 2402] or 3322, and upper-level standing or consent of instructor

Nutritional concepts for individuals and team sport participants across the life cycle with a particular focus on selection of optimal dietary approaches as related to performance needs, maximizing performance, body comparison, energy balance, and unique nutrient needs for specific sport participants. Food and nutrition quackery in sports will also be addressed.

**NUTR 4387 Advanced Nutrition (3)**

Pre-requisite(s): Nutrition Sciences majors must have a grade of C or higher in NUTR 2351, BIO 1305, CHE 1301, 1341, and 3341

Nutrients and their roles in human health. Emphasis on trends in nutritional research.

**NUTR 4388 Medical Nutrition Therapy (3)**

Pre-requisite(s): A minimum grade of C in NUTR 3388

In-depth study of various disease states with a focus on pathophysiology and evidence-based medical nutrition therapy interventions. Field experience in clinical dietetics is required.

**NUTR 4395 Special Studies in Nutrition, Food science and food production (3)**

Current issues in nutrition, food science or food production can be explored through seminars, special topics, and practicums. May be repeated with different content for a maximum of 6 semester hours.



# Philanthropy & Public Service (PPS)

## PPS 1100 Introduction to Citizenship and Community Service (1)

Volunteerism and community service as related to poverty, literacy, local political participation, mentoring, peer education, community law enforcement, gender, and neighborhood development. In addition to one weekly classroom hour, a minimum of two hours per week of community service is required. May be repeated a maximum of four times with a different topic each time.

## PPS 1102 Community Law Enforcement (1)

Examination of the criminal justice system, law enforcement, police, courts, and the corrections system through service-learning, as well as classroom instruction.

## PPS 2301 Leadership and Social Change (3)

Theory and practice of leading groups toward positive social change, emphasizing issues such as poverty, public education, and systemic inequality. A minimum of sixty hours of public service outside of class required.

## PPS 3300 Citizenship, Community, and Service Learning (3)

Pre-requisite(s): Upper-level standing or consent of instructor  
Intensive integration of academic study with service learning opportunities in the community. Course emphasis will vary by semester. Seminar discussions, readings, and personal reflection will enrich the community volunteer experience. A minimum of three hours per week of community service is required.

## PPS 3301 Public Policy Innovation and the Common Good (3)

The role of public and private actors in the making and implementation of public policies directed to address complex problems. Special focus on the collaborative efforts of government and nonprofit entities as they seek solutions that contribute to the public good.

## PPS 3302 Criminal Justice and Community Law Enforcement (3)

Cross-listed as CCS 3302, PSC 3302

Examination of the criminal justice system, law enforcement, police, courts, and the corrections system from the perspective of law enforcement personnel, alleged offenders, and victims of crime.

## PPS 3372 Law, Justice and the Community (3)

Cross-listed as PSC 3372

Pre-requisite(s): Upper-level standing

Introduction to legal practice. Contains community service component and required internship in legal offices.

## PPS 4301 Social & Economic Innovation (3)

Pre-requisite(s): Upper-level standing or consent of instructor

Develop theoretical and historical frameworks to understand how social and economic innovation can be employed to promote human flourishing. Students participate outside class in social and economic innovation in the community through partner-led projects and interactions.

## PPS 4302 Civic & Community Innovation (3)

Pre-requisite(s): Upper-level standing or consent of instructor

Develop understanding of how institutions across the public, private, and social sectors can collaborate and innovate to promote human flourishing. Involves partnerships with the City of Waco in which students apply learning to promote community improvement initiatives.

## PPS 4303 Christian Social Innovation (3)

Pre-requisite(s): Upper-level standing or consent of instructor

Examines historical, theological, and theoretical frameworks, along with strategies that encourage Christians to build, renew, and transform institutions. Students spend time outside class working with institutions throughout the community to promote human flourishing.

## PPS 4304 Nonprofits, the Social Sector, & Philanthropic Innovation (3)

Pre-requisite(s): PPS 1100 or approval of instructor

Explores the role of nonprofit organizations and the social sector in a democratic society. Evaluates effective practices in consultation with nonprofit leaders and engages with nonprofit partners to explore new innovations for social impact.

## PPS 4310 Philanthropy, Civil Society, & the Public Good (3)

Pre-requisite(s): Upper-level standing

The role of philanthropy and civil society in public problem solving with an introduction to ethics and importance of financial giving and community investments. Students will spend significant time outside class working with foundations and nonprofits.

## PPS 4V98 Advanced Study in Philanthropy and Social Innovation (1-4)

Advanced study in philanthropy, the social sector, and social innovation, with emphasis on cross-sector collaboration and innovative approaches to pursuing the public good.

# Philosophy (PHI)

## PHI 1301 Introductory Topics in Philosophy (3)

A writing-intensive introduction the major philosophical topics, themes, and thinkers. Students develop the ability to read texts critically and to write well-researched argumentative essays about perennial philosophical questions.

## PHI 1302 Introduction to Philosophy (Non-writing Intensive) (3)

An introduction to the major philosophical topics, themes, and thinkers. Students develop the ability to read texts critically.

## PHI 1306 Logic (3)

A study of the basic principles and methods for distinguishing good and bad reasoning across a broad range of contexts, with an emphasis on deductive reasoning. Students develop formal tools to identify, reconstruct, and evaluate arguments, and to compose argumentative essays of their own.

## PHI 1307 Critical Thinking (3)

The development of critical, coherent, and creative thinking, including understanding, analyzing, and evaluating the claims of others, organizing ideas clearly, and constructing sound arguments. Development of sensitivity to argumentation technique and to the language in which arguments are expressed, with particular attention to the persuasive techniques of advertising and other controversial issues in the mass media.

## PHI 1308 Contemporary Moral Problems (3)

An introduction to philosophical issues and theories associated with the normative assessment of human behavior through engagement with one or more contemporary social issues such as poverty, war, immigration, affirmative action, drug legalization, abortion, sexuality, animal rights, and the environment.

## PHI 1309 Introduction to Medical Ethics (3)

Introduction to philosophical reasoning regarding medical ethics, including confidentiality, intervention in the beginning and ending of human life, and just distribution of medical resources.

## PHI 1310 Computer Ethics (3)

Analysis of ethical problems for information technologies. Topics include ethical implications of new possibilities in information technologies, privacy, ownership, professional codes of conduct as they relate to society, and role of information technologies in shaping morality of government, education, politics, business, and society.



**PHI 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHI 2301 Existentialism (3)**

An examination and evaluation of philosophical themes and methods in existentialist writings. Themes such as freedom, anxiety, despair, nothingness, alienation, death, God, the impotence of reason, the conflict between individuality and the dehumanizing tendencies of mass society, and the conflict between authentic self and inauthentic self are considered. Attention is focused upon the work of such thinkers as Kierkegaard, Nietzsche, Jaspers, Heidegger, Marcel, Sartre, and Camus.

**PHI 2303 Philosophy in Literature (3)**

A critical engagement of the philosophical ideas represented in selected literary texts, such as science fiction, dystopian fiction, the inklings, or existentialist literature, indicated by course subtitle. Examines a wide variety of philosophical topics with special attention to the role of imagination.

**PHI 2305 Philosophy and Religion (3)**

Pre-requisite(s): Students will be required to take the English Placement Exam (EPE) before registering for a course on the Research Writing Distribution List, unless they have achieved one of the following: A score of 20 or above on the English component of the ACT, or a score of 500 or above on the Critical Reading component of the old SAT or 28 or above on the Reading component of the new SAT  
A writing-intensive introduction to philosophical issues arising from religious belief and practice. Students develop the ability to read texts critically, and to write clear argumentative essays about such topics as faith and reason, the problem of evil, and the coherence of doctrines like atonement and incarnation.

**PHI 2308 Philosophical Texts (3)**

A study of central philosophical texts in their historical context and for their enduring philosophical contributions. Possible texts include Plato's Republic; Aristotle's Nicomachean Ethics, Augustine's Confessions, St. Thomas's Summa, Descartes' Meditations, Kierkegaard's Fear and Trembling, and Nietzsche's Thus Spoke Zarathustra. May be taken a maximum of two times if different topics, not to exceed six semester hours.

**PHI 2309 Philosophical Traditions (3)**

An introductory study of a central philosophical tradition in its historical context and for its enduring philosophical contribution. Possible traditions include existentialism, feminism, political liberalism, pragmatism, post-modernism, naturalism, positivism, and scholasticism. May be taken a maximum of two times if different topics, not to exceed six semester hours.

**PHI 2310 Law, Science and Society (3)**

A study of philosophical issues arising at the intersections of law, morality, science, and society. The course will consider such issues as the proper relation between morality and law, civil disobedience, racism, feminism, equal opportunity and justice, abortion, euthanasia, animal rights, punishment, pornography, creationism, and moral aspects of technological development.

**PHI 2370 Business Ethics (3)**

An analysis of moral issues that arise within the economic sphere of society and specifically within profit and nonprofit organizations. The nature and justification of moral decision making will be examined. Topics may include moral issues involving the relationships between business and other social organizations, ecology, the social responsibility of entrepreneurs, and personnel and policy decisions.

**PHI 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHI 3301 Moral Philosophy (3)**

A critical study of problems in moral judgment and evaluation, with analysis of presuppositions and justifications used in moral discourse. Problems such as freedom and determinism, relativism and absolutism, conflicts of duties and ends, grounds of moral obligation, and choices involving personal and social goals are also studied. This course will introduce students to a number of major primary sources in the history of moral philosophy.

**PHI 3305 British Philosophy and Culture (3)**

This course is designed for Baylor University's study-abroad program. (Note: see section in this catalog regarding foreign study.) While the specific course content will vary with the instructor, attention will be given to the way issues have been addressed by philosophers in the British Isles such as Thomas More, Francis Bacon, Hobbes, Locke, Hume, John Stuart Mill, Wittgenstein, Bertrand Russell, and Gilbert Ryle. The philosophical ideas of literary figures such as Jane Austen, Robert Browning, and William Wordsworth may also be considered. Discussions will be developed in the rich settings of cathedrals, theaters, universities, and museums.

**PHI 3310 History of Philosophy: Classical Philosophy (3)**

Historical context in which philosophy developed and how the original issues of philosophy continue to inform historical and contemporary philosophical debate. Emphasizes the reading of primary sources: Homer, Hesiod, the pre-Socratics, the Sophists, Plato, and Aristotle, and the study of Stoicism, Epicureanism, and Skepticism.

**PHI 3312 History of Philosophy: Modern European Philosophy (3)**

A study of the major developments in philosophy from the Renaissance through the first half of the nineteenth century. The demise of late Scholasticism, the rise of modern science, the philosophies of the Continental Rationalists and the British Empiricists, the critical philosophy of Kant, and German Idealism are considered. Philosophers studied include Descartes, Leibniz, Spinoza, Hobbes, Locke, Berkeley, Hume, Kant, Hegel, Marx, Schopenhauer, Kierkegaard, and Nietzsche.

**PHI 3318 Philosophy and Constitutional Issues (3)**

Pre-requisite(s): Upper-level standing  
The examination of certain philosophical issues that are raised by the U.S. Constitution, and especially by the Bill of Rights and the 14th Amendment.

**PHI 3320 Philosophical Issues in Feminism (3)**

A critical study of philosophical issues in feminism including moral issues of equal rights and justice, sex role stereotypes, equal opportunity and reverse discrimination, equality between the sexes, abortion, and philosophers' theories of feminism. Topics may vary from semester to semester.

**PHI 3322 Philosophy and the Arts (3)**

Cross-listed as ARTH 3390  
A survey of the major contemporary sources in aesthetics. Problems discussed are concerned with the aesthetic experience, the interpretation of art (including the definition of art, the nature of metaphor, the relation of art to knowledge, meaning in art), and criticism in literature and other art forms.

**PHI 3339 Law and Religion (3)**

Cross-listed as PSC 3339, REL 3339

Relationships between government and religion, especially, United States Supreme Court decisions dealing with prayer and Bible reading in public schools, government aid to church-related schools, and religious liberty rights of individuals and churches. Philosophical debates about the nature of religious free exercise and establishment, their justification, and their relationship to different political theories. Note for undergraduate religion majors: This course will be accepted as three elective hours on a religion major, but will not be accepted for credit on a minor in religion or toward the six hour religion requirement by the University.

**PHI 3395 Historiography and the Philosophy of History (3)**

Pre-requisite(s): Six semester hours of history or consent of instructor

An introduction to ancient, medieval, and modern historiography and the development of the philosophy of history. Critical consideration will be given to traditional thought about concepts fundamental to history, including the ideas of historical explanation, purpose, cause, and interpretation. Emphasis will be given to methods of historical research and writing.

**PHI 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHI 4300 History of Medicine (3)**

Cross-listed as HIS 4300, MH 4300

See MH 4300 for course information.

**PHI 4301 War and Morality (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

An analysis of the moral and philosophical issues arising from military operations around the world, whether formal or informal, historical and contemporary.

**PHI 4310 Philosophy of Science (3)**

An analysis of philosophical problems about science. Such central concepts as law, causation, induction, hypothesis, theory, verification, and models are studied. Presuppositions and methodologies of different sciences may be examined. The relation of scientific views to moral, social, and metaphysical problems is considered.

**PHI 4311 Epistemology (3)**

Pre-requisite(s): Two PHI courses or consent of instructor

A critical examination of classical and current problems in theories of knowledge. Attention is given to such problems as meaning, truth, the knowing situation, universals, knowledge of the external world and of other minds, and validation of knowledge claims. The contributions of recent movements such as logical empiricism, linguistic analysis, phenomenology may be studied.

**PHI 4314 History of Philosophy: Patristic and Medieval (3)**

The history and development of philosophy from 250 to 1400 A.D. Some of the major philosophers studied include Augustine, Boethius, John Scotus Erigena, Anselm, Abelard, Avicenna, Averroes, Maimonides, Bonaventure, Thomas Aquinas, John Duns Scotus, and William of Ockham. Special emphasis will be placed on the significance of pre-Enlightenment thinkers to the development of the Enlightenment and Modernity.

**PHI 4317 Philosophy of Mind (3)**

Pre-requisite(s): Two PHI courses or consent of instructor

Critical examination of current problems in philosophy of mind, focusing on the relationship between mind and physical world. Central issues include the nature of consciousness, and the nature of mental content; secondary topics may include, reductionism, functionalism, non-reductive materialism, epiphenomenalism, panpsychism, and dualisms of various forms.

**PHI 4318 Philosophy of Law (3)**

A critical study of historical and contemporary approaches to primary issues in jurisprudence and the philosophy of law, including tort law, criminal law, and Constitutional law.

**PHI 4319 Philosophical Writing, Research and Oral Presentation (3)**

Pre-requisite(s): Upper-level standing and consent of instructor

Enhancing philosophical writing skills, promoting proficiency with new computer research technologies, and refining oral communication skills.

**PHI 4320 The Philosophy of Religion (3)**

Pre-requisite(s): Two PHI courses or consent of instructor

A philosophical inquiry into such topics as the existence and nature of God, religious experience, immortality, the problem of evil, the relationship between reason and faith, the meaning of religious language and symbols, and the validity of religious knowledge claims. Methods of contemporary philosophical analysis are used in clarifying religious concepts.

**PHI 4321 Metaphysics (3)**

Pre-requisite(s): Two philosophy courses or consent of instructor

A critical analysis of classical and contemporary metaphysical systems and problems. These include the world views found in the philosophies of naturalism, idealism, personalism, positivism, pragmatism, organicism, and existentialism. Problem areas considered are mind-body relations, cosmology, ontology, philosophical anthropology, universals, determinism, and freedom. Basic categories such substance, cause, time, space, matter, and form are critically examined. Attention also is focused upon methods and criteria employed in metaphysical study.

**PHI 4324 Philosophy in Literature (3)**

A critical study of philosophical material in literature, that is, a study of the philosophy to be found in essays, novels, poems, and plays. Among the authors usually studied are Plato, Aristotle, Theophrastus, Lucretius, Voltaire, Goethe, Ibsen, Nietzsche, Kafka, Camus, Sartre, Malraux, Hesse and selected contemporary novelists.

**PHI 4325 Literary and Philosophical Perspectives on Medicine (3)**

Pre-requisite(s): Open to Philosophy and Medical Humanities majors and minors only; or consent of instructor

Examination of literature dealing with illness, disease, pain, and death in order to understand better how societal perceptions and values of the care-giver affect the patient.

**PHI 4331 Latin American Philosophy (3)**

Pre-requisite(s): Upper-level standing

Philosophical and intellectual movements in Latin America from the colonial times to the present. These movements include scholasticism, eclecticism, utilitarianism, romanticism, positivism, vitalism, phenomenology, and existentialism and philosophies of liberation. Works of major representatives of these movements (including such men as Bello, Mora, Sierra, Varona, Deustua, Caso, Korn, Vasconcelos, Farias Brito, Vaz Ferreira, and Romero) are studied.

**PHI 4340 East Asian Philosophy (3)**

Cross-listed as AST 4340

An historical and critical survey of the major movements in Chinese, Indian, or Japanese philosophy. Course may be repeated once with different area of concentration.

**PHI 4341 Contemporary Continental Philosophy (3)**

A critical study of philosophical movements in Europe during the past one hundred and fifty years. Some of the major philosophers studied include Nietzsche, Husserl, Adorno, Heidegger, Merleau-Ponty, Sartre, de Beauvoir, Wittgenstein, Russell, Carnap, Gadamer, Habermas, Lyotard, Foucault, and Derrida. Movements studied include phenomenology, positivism, naturalism, critical theory, existentialism, structuralism, deconstructionism, and post modernism. Course may be repeated once with a different area of concentration.

**PHI 4342 Contemporary American Philosophy (3)**

A critical study of philosophical movements in the United States during the past one hundred years. Some of the philosophers whose works are studied include Pierce, James, Royce, Dewey, Mead, Lewis, Santayana, Whitehead, and Quine. Recent movements such as critical realism, naturalism, humanism, personalism, logical positivism, and linguistic analysis are also studied.

**PHI 4345 Intermediate Logic (3)**

Cross-listed as MTH 3345, PHI 3345

Pre-requisite(s): Upper-level standing

The language of first-order logic as a formal deductive system.

**PHI 4353 Philosophy of Language (3)**

Pre-requisite(s): Prerequisite(s): Two PHI courses or consent of instructor

Critical examination of the basic problems in general semantics and philosophy of language, giving special attention to the major authors in these fields.

**PHI 4360 Contemporary Ethical Theory (3)**

Pre-requisite(s): Two philosophy courses or consent of instructor  
Major issues in contemporary ethical writings. Course may be repeated once for credit if topic varies.

**PHI 4361 Social Philosophy (3)**

Cross-listed as PSC 4353

A critical survey of the fundamental concepts and theories used in justifying social institutions. Problems such as authority, law, freedom, rights, equality, responsibility, power, justice, the state, and justification of open societies are considered.

**PHI 4363 Philosophy and Medicine (3)**

Philosophical approaches to clinical medicine and contemporary health care, focusing on experience as a basis for knowledge.

**PHI 4365 Jewish Philosophy (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Jewish philosophy in the twentieth century, with emphasis on the relation between mortality and morality, justice and totalitarianism, faith after the Holocaust, and individualism and revolution.

**PHI 4379 Islam and Democracy (3)**

Pre-requisite(s): Upper-level standing

Examines the evolution of political philosophy and institutions in Muslim culture.

**PHI 4385 Religious Ethics in a Liberal Democracy (3)**

Pre-requisite(s): Upper-level standing

Addresses both historical and contemporary arguments about the relationship between religious morality and liberal democracy. Pays particular attention to the debate about the role of religious forms of ethics/morality in public debate, public choices, and the decisions of political actors.

**PHI 4V99 Special Topics in Philosophy (1-3)**

Pre-requisite(s): Senior or graduate standing and consent of instructor  
Faculty-directed individual, group, or class research project. Course may be taken up to three times with a different topic for a maximum of 9 credit hours.

**PHI 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Physical Therapy (PT) Physics (PHY)

**PHY 1025 Finding Success in Physics (0)**

New Student Experience (NSE) course that introduces students in physics, astronomy or astrophysics to the benefits and challenges of studying these subjects. Includes an introduction to research areas and strategies for problem solving in physics.

**PHY 1404 Light, Vision and Optics (4)**

A conceptual course on the physics of light, optics, photography, vision, color, and other visual phenomena.

**PHY 1405 Everyday Physics (4)**

Concepts and historical development of physics; selected topics as they apply to physics encountered in everyday life. This course is not intended for students pursuing a science major. (Does not apply toward a major in physics.)

**PHY 1407 Sound and Acoustics (4)**

Physics of sound and sound production, including the nature of sources of sounds. Introduction to the primary instrumentation used in recording, reproduction, and analysis of the physical properties of sound, and a study of the principal physical properties of architectural acoustics.

**PHY 1408 General Physics for Natural and Behavioral Sciences I (4)**

Pre-requisite(s): MTH 1320, 1321 or 1322, or equivalent or concurrent enrollment in MTH 1321 or 1322

The fundamentals of mechanics, heat, and sound, with emphasis on physical concepts, problem solving, notation, and units. (PHY 1408 and 1409 or PHY 1420 and 1430 satisfy premedical, predental, and liberal arts requirements.)

**PHY 1409 General Physics for Natural and Behavioral Sciences II (4)**

Pre-requisite(s): PHY 1408 or 1420

The fundamentals of electricity, magnetism, light, and modern physics, with emphasis on physical concepts, problem solving, notation, and units. (PHY 1408 and 1409 or PHY 1420 and 1430 satisfy premedical, predental, and liberal arts requirements.)

**PHY 1420 General Physics I (4)**

Pre-requisite(s): MTH 1321 or concurrent enrollment

Principles and applications of mechanics, wave motion, sound, and heat with emphasis on fundamental concepts, problem solving, notation, and units.

**PHY 1430 General Physics II (4)**

Pre-requisite(s): PHY 1408 or 1420; and MTH 1322 or concurrent enrollment

Principles and applications of electricity, magnetism, light, and modern physics, with emphasis on fundamental concepts, problem solving, notation, and units.

**PHY 1455 Descriptive Astronomy (4)**

The fundamentals of astronomy and its relationship to human development. Emphasis on the solar system, planets, asteroids, meteoroids, and comets.

**PHY 1V95 Independent Study in Physics (1-3)**

Pre-requisite(s): Consent of instructor

Independent study under the supervision of a faculty member in the department. May be repeated once for credit up to a maximum of six semester hours.

**PHY 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHY 2135 Basic Electronics Laboratory (1)**

Pre-requisite(s): PHY 1430

Principles and applications of electrical circuits and electronics for physical science majors.

**PHY 2190 Introduction to Research in Physics (1)**

Pre-requisite(s): PHY 2350

Preparation for undergraduate research. Includes an introduction to research techniques, identification of a research supervisor, and completion of a research prospectus.

**PHY 2350 Modern Physics (3)**

Pre-requisite(s): PHY 1430 and MTH 1322

Special relativity, introduction to quantum mechanics, atomic and molecular structure, nuclear and particle physics.

**PHY 2360 Mathematical and Computational Physics (3)**

Co-requisite(s):

Pre-requisite(s): PHY 1430 and MTH 2321; and MTH 2311 or concurrent enrollment

Topics normally include matrices and vector calculus, coordinate transformations, numerical solutions using Matlab and Mathematica, chaos and fractals, special functions defined by solutions to differential equations.

**PHY 2455 Foundations of Astronomy (4)**

Pre-requisite(s): PHY 1420 and MTH 1321

Physical and mathematical foundations of modern astronomy emphasizing techniques, history, and development of our current picture of the universe including galaxies, stars, planet, planetoids, and comets.

**PHY 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHY 3175 Intermediate Physics Laboratory I (1)**

Pre-requisite(s): PHY 2350 and 2360

Study of experimental planning, data analysis, and elementary error analysis. Experiments include the Millikan oil-drop experiment, the determination of the Faraday constant, bubble chamber photographic measurements, the study of GM counters, and radioactive half-life determination.

**PHY 3176 Intermediate Physics Laboratory II (1)**

Pre-requisite(s): PHY 3175

Continuation of PHY 3175 with emphasis on nuclear counting and measurements.

**PHY 3305 History of Invention and Technology (3)**

History of invention and technology including biographical study of scientists. Does not apply toward a major or minor in physics, astronomy or astrophysics.

**PHY 3320 Intermediate Classical Mechanics (3)**

Pre-requisite(s): PHY 2360 and MTH 3325; or consent of instructor

Topics normally include vectors, linear transformations, Newtonian mechanics for a single particle, linear and nonlinear oscillations, Euler's equation, Lagrangian and Hamiltonian dynamics, central forces, and orbital motion.

**PHY 3330 Intermediate Electricity and Magnetism (3)**

Pre-requisite(s): PHY 2360; and MTH 3326 or concurrent enrollment; or consent of instructor

Topics normally include electrostatics, Laplace's equation, method of images, multipole expansion, magnetostatics, and Maxwell's electromagnetic field equations.

**PHY 3350 Topics in Astronomy (3)**

Pre-requisite(s): PHY 2455; and MTH 1322 or concurrent enrollment

Topics in contemporary research in astronomy and astrophysics.

**PHY 3372 Introductory Quantum Mechanics I (3)**

Pre-requisite(s): PHY 2350, 2360 and MTH 2311; and MTH 3326 or concurrent enrollment; or consent of instructor

Postulates of quantum mechanics, operators in Hilbert space, superposition principle and compatible observables, time development, conservation theorems, one-dimensional bound and unbound state problems, WKB approximation, and theory of conduction in solids.

**PHY 3373 Introductory Quantum Mechanics II (3)**

Pre-requisite(s): PHY 3372 and MTH 3326

Problems in three dimensions, perturbation theory, unitary transformations, quantum statistics, atomic spectroscopy, and introductory solid state, nuclear, and elementary particle physics.

**PHY 3455 Observational Astronomy (4)**

Pre-requisite(s): PHY 2455

Fundamentals of practical sky observing including visual, photographic, and photometric techniques using local telescopes and CCD cameras. Introduction to methods for finding and identifying celestial objects, making observations, and operating an observatory, telescopes, and related equipment.

**PHY 3V95 Undergraduate Research in Physics (1-3)**

Pre-requisite(s): Consent of instructor

Research conducted under the supervision of a faculty member in the department. May be repeated up to a maximum of six semester hours.

**PHY 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHY 4001 Exit Exam (0)**

Pre-requisite(s): Senior standing

An exit examination, designated by the department, is required of all physics majors. This examination will be chosen by the department from the GRE Subject Test or another similar examination.



**PHY 4150 Instructional Observing (1)**

Pre-requisite(s): PHY 3455

Teaching astronomy techniques and assisting on observing nights for the PHY 3455 class and campus outreach events.

**PHY 4190 Dissemination of Research Results in Physics (1)**

Pre-requisite(s): Departmental approval required

Culmination of an undergraduate research project including presentation of research results.

**PHY 4322 Advanced Topics in Classical Physics (3)**

Pre-requisite(s): PHY 3320, 3330, and MTH 3326

Continuation of PHY 3320 and 3330. Topics normally include: dynamics of systems of particles: rigid-body motion; coupled oscillations; the wave equation in one dimension; gauge transformations; electromagnetic waves in conductors and nonconductors; dispersion; multiple radiation; Lirard-Wiechert potentials; relativistic electrodynamics.

**PHY 4340 Statistical and Thermal Physics (3)**

Pre-requisite(s): PHY 3372 and MTH 3326

Topics normally include: basic probability concepts; macroscopic thermodynamics; statistical thermodynamics; kinetic theory; quantum statistics.

**PHY 4350 Introduction to Stellar Structure and Evolution (3)**

Pre-requisite(s): PHY 2455; and MTH 3326 or concurrent enrollment

A quantitative study of the physics of stars and stellar systems. Topics include observed properties of stars and the physics underlying those properties, radiation and stellar spectra, the interior structure of stars, the life cycles of stars, white dwarfs, neutron stars, and black holes.

**PHY 4351 Introduction to Modern Cosmology (3)**

Pre-requisite(s): PHY 4350 and MTH 3326

An introduction to modern cosmology, including observational cosmology, Newtonian gravity, relativistic cosmological models, thermal history of the universe, dark matter and dark energy, inflationary models, the origin of the light elements, structures in the universe, and the cosmic microwave background radiation. The principles of Einstein's general theory of relativity and observations in experiments will also be covered.

**PHY 4360 Computer Models in Physics (3)**

Pre-requisite(s): PHY 3320, 3372, and CSI 3324

Application of contemporary computer methods to the solution of physics and engineering problems. Theory and applications of finite difference equations. Deterministic, discrete, and continuous models. Computer graphics. Waves in classical and quantum physics. Monte Carlo calculations, electric circuits, partial differential equations in physics and engineering.

**PHY 4372 Introductory Solid State Physics (3)**

Pre-requisite(s): PHY 3373

Topics normally include: crystal structure; reciprocal space; elastic and thermal properties; electronic structure; the Fermi surface; elementary semiconductor physics; dielectric and magnetic properties of solids.

**PHY 4373 Introductory Nuclear and Particle Physics (3)**

Pre-requisite(s): PHY 3373

Topics normally include: nuclear structure and models; angular momentum and isospin; conservation laws and discrete symmetries; electromagnetic and weak interactions; quark model; nuclear and particle astrophysics.

**PHY 4374 Introduction to Relativistic Quantum Mechanics (3)**

Pre-requisite(s): PHY 3373

Dirac's equation, its covariance properties, its solutions; Foldy-Wouthuysen transformation and exact results; propagator theory; applications in various areas of physics.

**PHY 4V80 Special Topics in Physics (1-3)**

Pre-requisite(s): Upper-level standing and consent of instructor

Advanced topics in physics, astronomy, or astrophysics. May be repeated once for credit with a different topic up to a total of six semester hours.

**PHY 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Political Science (PSC)

**PSC 1305 American National Government (3)**

A course in American national government with emphasis on the historical background, structure, organization, and functioning of that government.

**PSC 1306 American State and Local Government (3)**

A course in American state government with emphasis on the Texas Constitution and government. (Either PSC 1305 or 1306 will count as one of the social science requirements for the B.A. degree.)

**PSC 1387 The U.S. Constitution, Its Interpretation, and the American Political Experience (3)**

A study of the philosophical and historical background, development, and content of the United States Constitution and its interpretation by the Supreme Court in a complex and ever-changing multi-ethnic, multi-racial, and multi-religious society.

**PSC 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PSC 2343 Introduction to Western Political Philosophy (3)**

The Western tradition of political philosophy from Ancient Greece to the present day. This course will not substitute for PSC 1387.

**PSC 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PSC 3300 The Environment and Political Processes (3)**

Cross-listed as ENV 3300

This course explores the causes, the magnitude, and the meaning of the Ecological Crisis and analyzes the way in which environmental problems translate into political issues. Attention is given to the political processes on varying public levels and to political actions that have or have not been taken, or might be taken, on matters relevant to social and physical environments. The purpose of the course is to develop a broad base for informed judgment and for constructive attitudes regarding the growing ecological dilemma confronting all societies.

**PSC 3301 Scope and Methods of Political Science (3)**

A course designed to equip beginning political scientists with the basic tools of political analysis used by professional political scientists. The scope of the discipline is explored through the use of primary writings, and the student is introduced to general concepts, theories, approaches, and models as well as basic methodologies and techniques of political research.

**PSC 3302 Criminal Justice and Community Law Enforcement (3)**

Cross-listed as CCS 3302, PPS 3302

See PPS 3302 for course information.



**PSC 3304 Comparative Politics (3)**

Comparative political analysis using current theories and cross-regional examples from both historical and contemporary eras. Special focus on institutions, regime change, and political culture, political violence, and political development.

**PSC 3310 Legislative Process and Behavior (3)**

An examination of state and national legislative institutions and processes. Areas covered include the nature of legislative responsibility, organizational structure, the role of parties and lobbying groups, legislative decision making, legislative relations with executive and judicial branches, policy output, and the theory and methods employed by scholars currently working in this field.

**PSC 3311 Moot Court (3)**

Pre-requisite(s): Consent of instructor

Preparation for Moot Court competitions, which simulate the experience of arguing a constitutional case before the Supreme Court. May be taken twice for a total of six semester hours of credit.

**PSC 3312 Principles of Public Administration (3)**

An introduction to the principles of organization, personnel relations, and popular control of public administration in the United States. Emphasis will be placed on the practices of the national administration; comparisons will be made with the practices of England, France, and the American states.

**PSC 3314 Politics and Problems of Developing Countries (3)**

Cross-listed as AST 3314

A survey of the political systems and problems of the developing states of Asia, Africa, and Latin America. Several components of political systems will be examined.

**PSC 3315 Fundamentals of International Politics (3)**

Theories of international politics will be examined and compared in the light of the evolution of the modern states system. Attention will be given to the factors and variables that affect the formulation and implementation of foreign policies.

**PSC 3320 Minority and Ethnic Group Politics (3)**

A study of the political experiences and public concerns of four major ethnic and minority groups: African-Americans, Mexican-Americans, Asian-Americans, and Native Americans. Topics include employment, immigration, education, police-community relations, political and economic inequality, political movements, leadership patterns, and ethnic conflicts.

**PSC 3321 Criminal Law (3)**

Examination of the sources, development, and application of criminal law in the United States and Texas.

**PSC 3322 American Public Policy (3)**

An introductory study of how the dynamics of governmental decision making influence the content of public policy; course focuses upon how legislators, interest groups, chief executives, and the bureaucracy function to define alternatives and to shape policy agenda and content.

**PSC 3324 World Political Systems (3)**

A comparative survey of the world's political systems with emphasis on political culture, institutions, processes, and policies. Systems to be covered include the democracies of Western Europe, North America and the Pacific, the Communist and former Communist states of Eastern Europe and Asia, and the politically developing states of Africa, Asia, and Latin America.

**PSC 3325 Ethnopolitical Conflicts (3)**

Survey of communal and ethnically based conflicts, using case studies to explore communal grievances vs. state interests. Examines various forms of political accommodations such as exit, autonomy, access, and control.

**PSC 3330 The American Presidency (3)**

The American presidency as a political institution and as one of the primary components of the United States governmental structure.

**PSC 3335 Contemporary American Foreign Policy: An Examination of Regions and Issues (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Assessing continuity and change in foreign policy, including internationalism, isolationism, power, principle, and pragmatism to understand post-World War II American foreign policy. Analysis of evolution, patterns, and trends of American foreign policy.

**PSC 3339 Law and Religion in the United States (3)**

Cross-listed as CHS 3339, PHI 3339, REL 3339

See PHI 3339 for course information.

**PSC 3340 Campaigns and Elections (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The United States electoral process and structure primarily from an institutional perspective with emphasis on the role of political parties, interest groups, and citizens in political campaigns and elections.

**PSC 3345 Making American Foreign Policy (3)**

Pre-requisite(s): Upper-level standing

Values, objectives, processes, and means through which United States foreign policy objectives are formulated and sustained.

**PSC 3353 American Political Thought (3)**

An examination of American political and constitutional theory, from its philosophical genesis in the works of major early modern thinkers to the contributions of twentieth-century political and legal theorists. The original writings will be stressed.

**PSC 3355 The Causes of War (3)**

The causes of warfare, as viewed through the lenses of human evolution, psychological approaches, economic system, ideology, and the international system.

**PSC 3363 Western Political Thought: Classical and Medieval (3)**

The tradition of western political thought from its origins in Greek antiquity through the Christian middle ages, stressing the original writings of great political philosophers.

**PSC 3365 Politics, Games, and Strategy (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Rational choice, risk, and behavior as applied to politics and political science. Topics may include introductory game theory, international relations theory, and/or institutional rules.

**PSC 3372 Law, Justice and the Community (3)**

Cross-listed as CCS 3372, PPS 3372

See PPS 3372 for course information.

**PSC 3373 Western Political Thought: Modern (3)**

Modern political thought from the fifteenth through the nineteenth centuries, stressing the original writings of great political philosophers.

**PSC 3375 Model United Nations (3)**

Pre-requisite(s): Consent of instructor

An overview of the United Nations, including its origins, the six principal organs established by the UN charter, the UN's role in international relations, and the functions of the General Assembly and Security Council. Recommended for those interested in participating in Baylor's Model UN team. May be taken twice.

**PSC 3382 Public Service Internship (3)**

Pre-requisite(s): Consent of program director

Research and seminars supplemented by fieldwork in a regional federal agency, in a state or local governmental agency, or in a not-for-profit agency.

**PSC 3392 Washington Internship (3)**

Pre-requisite(s): Consent of program director

Research and seminars which will usually include attendance at a seminar held in Washington, DC. Also required is regularly scheduled fieldwork in a governmental or not-for-profit agency located in Washington.

**PSC 3692 Baylor in Washington Semester Internship (6)**

Pre-requisite(s): Consent of instructor

Research and seminars supplemented by regularly scheduled fieldwork in a political office located in Washington, DC.

**PSC 3698 Bob Bullock Internship (6)**

Selection as a Bullock Scholar and research in the Texas Legislature or Executive Branch as part of the Bob Bullock Scholars program.

**PSC 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PSC 4300 Political Behavior (3)**

Psychological and social dimensions of political behavior including political images, culture and socialization, participation, leadership, elites, parties and interest groups, voting behavior, and decision making processes.

**PSC 4303 International Human Rights (3)**

Pre-requisite(s): Upper-level standing

The philosophy and implementation of human rights protection in the United States and abroad.

**PSC 4304 Governments and Politics of Latin America (3)**

Forms of organization, functions, and operations of governments in Latin America, with emphasis on contemporary conditions, trends, and distinctive types of Latin American institutions and policies.

**PSC 4305 International Law (3)**

Nature and origins of international law and the rights, duties, and responsibilities of the states under that law, as well as the problems which have arisen in its interpretation and enforcement.

**PSC 4307 Environmental Law (3)**

Cross-listed as ENV 4307

See ENV 4307 for course information.

**PSC 4310 Politics and Communication (3)**

Cross-listed as CSS 4310

The dynamic relationships between political and communication institutions; topics include political discourse, news and information, and portrayal of politics in popular entertainment.

**PSC 4313 Politics and Literature (3)**

Pre-requisite(s): Upper-level standing

Study of fundamental questions of political theory as treated in works of literature. Topics may include authority, law and discretion, the individual and the community, and the nature of freedom, especially as these issues emerge in different political orders. This course may be taken more than once, for a maximum of six credit hours, when content differs.

**PSC 4314 Government and Politics of Mexico (3)**

Constitutional development and political processes in the Mexican federal system. Emphasis will be placed on twentieth-century constitutional and political change, with special attention given to the current scene.

**PSC 4315 Political Geography (3)**

Concepts and principles of political geography. Analysis of dynamics of spatial relations and interactions of states. Comparison of main approaches, including geo-politics. Study of state elements, especially territorial integrity and frontiers. Survey and analysis of world political patterns.

**PSC 4316 Grand Strategy (3)**

Pre-requisite(s): Upper-level standing

The relationship between a great power's grand strategy and stability in international politics.

**PSC 4320 African American Politics (3)**

Pre-requisite(s): Upper-level standing

Contemporary African American politics, including leading theories and paradigms, important social and political movements, prominent leaders, party politics, and role of the "Black Church."

**PSC 4321 Administrative Law (3)**

Nature and the law of the administrative procedure, of separation and delegation of powers, and of the scope of judicial review and other remedies against administrative actions.

**PSC 4322 Seminar in Public Administration (3)**

Pre-requisite(s): Upper-level standing

A course for upper-level undergraduates and graduate students contemplating careers requiring administrative skills. Topics, which will be chosen to meet the special needs of students, include the study of public personnel techniques and methods, project design and analysis, and program budgeting.

**PSC 4324 British Government and Politics (3)**

Foundations, processes, and politics of British government. Emphasis will be given to political parties and interest groups, parliament, cabinet and administration, judiciary, and the prime minister. Analysis of current political issues and policies will be undertaken.

**PSC 4325 Asian International Relations (3)**

Cross-listed as AST 4325

Historical and cultural background and structure of the emerging international order in Asia, with particular attention to the role of Japan, Russia and the Soviet successor states, and the People's Republic of China.

**PSC 4330 Urban Political Processes (3)**

Cross-listed as ENV 4330

Political institutions and processes in metropolitan areas, including social, economic, and governmental problems resulting from increased urbanization.

**PSC 4334 Governments and Politics of the Middle East (3)**

Political structures and processes of the Middle East nations with an emphasis on elites, political parties, interest groups, and bureaucracies. Inter-regional relations, nationalism, the impact of religion and the Arab-Israeli conflict will be considered. Problems of nation-building, regional cooperation, as well as super- and great-power penetration, will also be explored.

**PSC 4335 Public Discourse and Foreign Policy (3)**

Cross-listed as CSS 4353

See CSS 4353 for course information.

**PSC 4340 African American Communication (3)**

Cross-listed as CSS 4354

See CSS 4354 for course information.

**PSC 4342 Public Policy and the Courts (3)**

Pre-requisite(s): PSC 1387 or consent of instructor

The Supreme Court's role in the making of public policy, including its history, its justification, and its limits. Emphasis on court cases and literature covering economic, social and civil rights issues.

**PSC 4344 Government and Politics of Russia (3)**

Historical and cultural background, the organization and functions of government, and the theory and practice of Russian politics. Emphasis is given to Russia's relationships with associated states.

**PSC 4346 Intelligence and Covert Action (3)**

Pre-requisite(s): Upper level standing

The impact of intelligence, counterespionage, and covert action policies on national security policy and international relations.

**PSC 4350 Political Parties (3)**

Pre-requisite(s): Upper-level standing

The diverse roles of political parties in representative democracies, with emphasis on the American experience.

**PSC 4351 Criticism of Contemporary Public Address (3)**

Cross-listed as CSS 4351

See CSS 4351 for course information.

**PSC 4352 The Politics of Poverty (3)**

Pre-requisite(s): Upper-level standing

An analysis of the causes of poverty amidst plenty and governmental efforts to address the problem.

**PSC 4353 Social Philosophy (3)**

Cross-listed as PHI 4361

See PHI 4361 for course information.

**PSC 4354 Governments and Politics of Western Europe (3)**

Pre-requisite(s): A minimum grade of C in PSC 3304; or consent of instructor

A comparative study of the forms of government organization, political processes, and major developments in Western Europe. Course emphasizes parliamentary forms of democracy.

**PSC 4355 Power, Morality, and International Relations (3)**

Pre-requisite(s): Upper-level standing

The influence of moral principles on international politics.

**PSC 4361 American Constitutional Law (3)**

Constitutional law of the United States with basic cases concerning such subjects as separation of powers, federalism, the taxing and spending powers, and interstate and foreign commerce.

**PSC 4364 The Governments and Politics of the Asia-Pacific Region (3)**

Cross-listed as AST 4364

Historical development of the Asia-Pacific region, with a focus on the contrasting roles played by China, Japan, and the United States. Discussion of alternative models of economic development and the impact of ASEAN and APEC on regionalism. Survey of the socio-political conditions in and among the region's states, with special attention devoted to Korean unification and cross-strait relations.

**PSC 4365 International Political Economics (3)**

Pre-requisite(s): Junior standing or above

The intersection of politics and economics at the domestic and international levels. Political outlooks considered include liberalism, Keynesianism, and Marxism.

**PSC 4370 Politics and Religion (3)**

Pre-requisite(s): Upper-level standing

The dynamic interaction between religion and politics in the United States and other countries, including the effect of political outcomes in the context of voting, legislative and executive policymaking, and the law.

**PSC 4373 Special Topics in Political Philosophy (3)**

Pre-requisite(s): At least one 3000-level course in political philosophy, or consent of instructor

An upper-level seminar on a philosopher, a tradition of thought, or a theoretical problem in political philosophy.

**PSC 4374 Governments and Politics of East Asia (3)**

Cross-listed as AST 4374

Government organization and functions, political processes, and major developments in the political systems of Japan, China, and Korea since World War II.

**PSC 4375 International Organization (3)**

Fundamentals of international politics and international law, advancing to an intensified study of past and, particularly, present international organizations, especially the United Nations.

**PSC 4379 Islam and Democracy (3)**

Pre-requisite(s): Upper-level standing

Examines the evolution of political philosophy and institutions in Muslim culture.

**PSC 4380 Government and Business (3)**

Government in relation to the economy. Public policy with respect to such vital areas as maintenance of competition, public utilities, transportation, labor, agriculture, protection of the investor, and foreign economic policy. (Not to be taken if ECO 4317 has already been taken for credit.)

**PSC 4381 American Constitutional Law (3)**

Continuation of PSC 4361 but may be taken independently of that offering. Deals with those cases relating particularly to personal liberty and civil rights.

**PSC 4383 Contemporary Political Thought (3)**

Twentieth-century political ideas, with emphasis on contemporary democratic political theory and the challenges posed for traditional democratic ideals by major movements in contemporary psychological, existentialist, ethnic, feminist, socialist, and nationalist thought, and by problems arising from technology, mass society, and the observations of empirical political science.

**PSC 4384 Principles of Political Development (3)**

The development of contemporary states and nations, emphasizing war, geographic location, natural resources, and cultural and religious norms as determinants of different experiences.

**PSC 4385 Diplomacy in Theory and Practice (3)**

Pre-requisite(s): Upper-level standing

How states and other international actors communicate and pursue their foreign policy objectives through the use of diplomatic agents and techniques.

**PSC 4386 Russia and the World (3)**

Pre-requisite(s): Upper-level standing or consent of the Instructor

Evolution of Russia's foreign policy objectives, its national security strategies and its relations with the U.S., Europe and post-Soviet states, including spheres of cooperation and rivalry between Russia and the West, regional conflicts, energy politics, non-proliferation and counterterrorism.

**PSC 4390 Reading Course in Political Science (3)**

Pre-requisite(s): Senior standing and consent of the chairperson of the department

A tutorial course designed for advanced study in political science. The nature, limits, and requirements will be established in each instance after consultation between professor and student. May also be taken by student in a particular field after consultation with appropriate professor. May be repeated under a different topic for a total of six hours credit.

**PSC 4395 Terrorism (3)**

Pre-requisite(s): Upper-level standing

The effectiveness of terrorism as a coercive strategy for states and non-state actors as well as the threat terrorism poses to the interests of the United States.

**PSC 4396 International Studies Senior Seminar (3)**

Pre-requisite(s): Consent of instructor

Senior seminar for international studies majors. Focus on career readiness, writing for a variety of audiences, and developing a final portfolio of analytical and communication skills.

**PSC 4397 Dictatorship, Democracy and Regime Change (3)**

This course looks at the origins, institutions and policies of democratic and authoritarian regimes. It explores the variation among autocracies and its effect on their stability and patterns of change, with a special focus on revolutions and negotiated transitions.

**PSC 4399 The Good Citizen in American Film & Pop Culture (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Normative questions of political life and experience (such as, the good citizen, the good soldier, heroism, and virtue) through the medium of film, both recent and past.

**PSC 4V89 Advanced Model Organization of American States (1-3)**

Cross-listed as HIS 4V89

See HIS 4V89 for course information.

**PSC 4V94 Special Topics in Political Science (1-6)**

Examination of special topics in government and politics. May be repeated once under different topic not to exceed six semester hours.

**PSC 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Portuguese (POR)

**POR 1101 Portuguese Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**POR 1102 Portuguese Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**POR 1301 Elementary Portuguese (3)**

Introduction to Portuguese language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice proficiency levels

**POR 1302 Elementary Portuguese (3)**

Pre-requisite(s): POR 1301 or 1401, or two units of high school Portuguese

Introduction to Portuguese language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**POR 2310 Intermediate Portuguese (3)**

Pre-requisite(s): POR 1302 or three units of high school Portuguese

Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

**POR 2320 Exploring the Portuguese-Speaking World (3)**

Pre-requisite(s): POR 2310 or four units of high school Portuguese

An exploration of the cultures of the Portuguese-speaking world with continued practice listening, speaking, reading, and writing POR at the intermediate level. Class conducted in Portuguese, with emphasis on developing conversational skills. Topics vary by section but may include Pop Culture, Music, Film, Literature, Art, Social Media, Journalism of the Portuguese-speaking world.

**POR 3V90 Special Topics in Portuguese (1-3)**

Pre-requisite(s): POR 2320 or consent of the instructor

Independent study of Portuguese language and/or culture. With content changes, may be repeated for up to 6 credits.

## Pre-Health Professions (PHP)

**PHP 1103 Nature of Healthcare Relationships (1)**

Examines the nature of healthcare relationship from a number of perspectives, including both the patient and healthcare provider. Explores both professional and ethical issues and the means to cope with them.

**PHP 1105 Foundations of Medicine (1)**

A broad survey of the premedical studies, the preparation for medical school admission, and the medical profession.

**PHP 1106 Introduction to the Health Professions (1)**

A blended classroom format with lectures exploring various careers and graduate level study in health related professions and online content focusing on professionalism in healthcare, assessment of appropriate personal attributes, integrity, interpersonal communication, and career strategies.

**PHP 1206 Introduction to the Health Professions (2)**

A blended classroom format with lectures exploring various careers and graduate level study in health related professions and online content focusing on professionalism in healthcare, assessment of appropriate personal attributes, integrity, interpersonal communication, and career strategies.

**PHP 1V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHP 2101 Foundations of Medical Research (1)**

Introduction to clinical/medical research in an academic medical setting, including medical ethics, research modalities, and evaluation tools.

**PHP 2102 Special Topics in Pre-Health (1)**

Internship or research in a clinical setting focusing on formulating a research project, including developing the hypothesis, creating an IRB proposal, gathering and interpreting data, and publishing results.



**PHP 2V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHP 3V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PHP 4V9R Research (3)**

Pre-requisite(s): Consent of instructor

Undergraduate research undertaken under the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Prof. Writing & Rhetoric (PWR)

**PWR 2314 Introduction to Professional Writing and Rhetoric (3)**

Surveys core theories of writing and rhetoric in a variety of professional genres and familiarizes students with the range of possible careers.

**PWR 3300 Technical Writing (3)**

Pre-requisite(s): ENG 1310; and either upper-level standing or consent of instructor

Emphasis on theories, principles, and practices of effective technical writing and writing in the sciences. Students will compose technical genres such as reports, proposals, memos, and documentation with an emphasis on usability, accessibility, data analysis, information design, ethics, writing style, and collaboration.

**PWR 3303 Persuasive and Argumentative Writing (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

An advanced writing workshop that focuses on the analysis and production of texts written for specific rhetorical situations and discourse communities. Emphasis on genre, persuasion, and rhetoric. Practice in various types of expository, narrative, persuasive, and academic writing.

**PWR 3309 Creative Nonfiction (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Focuses on popular nonfiction addressed to a wider audience. Students will practice creative nonfiction research methods and compose genres such as travel writing, memoir, autobiography, biography, profiles, and history.

**PWR 3313 Literacy Studies (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Examines histories, theories, and practices of literacy in relation to questions of ideology, education, schooling, identity, social class, technology, and/or composition.

**PWR 3316 Women's Writing and Rhetoric (3)**

Examines the ways women use language to persuade in both public and private spheres in both historical and contemporary periods, with special attention to both traditional rhetorical genres (speeches, letters, sermons, editorials) and nontraditional texts (quilts, recipe books, blogs).

**PWR 3317 Rhetoric of Race (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Exploration of rhetoric, writing, literacy, and culture in relation to race and other related issues, such as class, identity, gender, politics, and culture.

**PWR 3318 Professional & Workplace Writing (3)**

Study and practice of professional writing in workplace contexts, with attention to audience adaptation, project management, collaboration, work with clients, professionalization, and style. Students will compose a range of workplace writings (i.e., letters, proposals, reports, web documents, design documents) and create application materials for career positions or graduate study. Culminates in a digital portfolio. Required of all PWR majors.

**PWR 3321 Tutoring Writing (3)**

Pre-requisite(s): ENG 1310 or 1304, or other course from Research Writing DL and consent of instructor

Theoretical issues and pedagogical methods for tutoring writing one-on-one. Examines how people best learn to write, how to talk with writers about their writing, and how one-on-one tutoring facilitates learning to write, including writing process theory, tutoring methods, revision and editing strategies, transfer, genre and disciplinary conventions, and working with special client populations.

**PWR 3326 Studies in Public and Civic Writing (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Examines the role of writing and rhetoric in shaping, mobilizing, and changing the public's thinking on contemporary controversial issues. Focus on both historical and contemporary debates.

**PWR 3385 Special Topics in Writing Workshop (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Writing workshop centered on a particular topic. Student's practice writing genres that are related to the course theme. Topics may include food writing, travel writing, the teaching of writing, or other similar topics. Repeatable for a maximum of 6 credits with permission of department.

**PWR 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PWR 4309 Undergraduate Research and Publication (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Students will learn and apply key concepts, theories, and methods used to produce scholarship in the field of rhetoric and writing. Students will complete a major research project using writing studies research methodologies, such as empirical, archival, case-study, ethnographic, digital, qualitative, quantitative, and text and discourse analysis.

**PWR 4311 Writing for Social Change (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

Emphasizes practical skills necessary for effective civic, public, or advocacy writing. Students use writing and related media to explore, analyze and advocate on issues of public concern with opportunities for students to create texts and campaigns.

**PWR 4321 New Media Writing and Rhetoric (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

A workshop course designed to develop skills in composing in multiple modes and media for different audiences, purposes, and situations. Students will analyze and compose a range of multimodal texts that integrate words, images, and sounds, such as digital stories, websites, video essays, audio compositions, scrapbooks, and posters.



**PWR 4323 Editing and Publishing (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
An exploration of the editing and publishing profession, including acquisitions and list building and development of a marketable publishing project. Addresses the history and philosophy of publishing, an editor's vocation, and current changes in the field.

**PWR 4348 Religious Rhetoric and Spiritual Writing (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
A writing workshop that provides experience writing from and critically analyzing spiritual perspectives. Students compose in a range of genres (creeds, spiritual autobiographies, and analyses of religious texts) in order to explore spiritual questions, religious experiences, and rhetorical concerns.

**PWR 4349 Advanced Creative Nonfiction (3)**

Pre-requisite(s): ENG 3309 or consent of instructor  
Advanced workshop in writing, researching, and publishing creative nonfiction in popular media outlets including magazines, newspapers, blogs, and nonfiction books.

**PWR 4375 Special Topics Lecture in Writing and Rhetoric (3)**

Pre-requisite(s): Upper-level standing or consent of instructor  
Close study of a topic in writing, rhetoric, literacy, or a related field. Topic announced each semester. Repeatable for a maximum of 6 credits with permission of department.

**PWR 4377 Writing Internship (3)**

Pre-requisite(s): ENG 3318 or concurrent enrollment, or consent of instructor  
An internship to provide students in the WR program supervised writing experience in a business or professional setting. Required of all WR majors.

**PWR 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Professional Development (PRD)

**PRD 2101 Professional Development (1)**

Resume and cover letter writing, interviewing, networking, and presenting professional self. Exploration of career options, including assessments, internships, job search process, and graduate school admission.

## Professional Field Experience (EDF)

### Psychology (PSY)

**PSY 1101 New Student Experience in Psychology and Neuroscience (1)**

Cross-listed as NSC 1101  
An introduction to the PSY and NSC majors including the faculty and degree requirements of their major, techniques for academic success, and professional and career options. Satisfies U1000 requirements, and is required of all first-year students with a declared major in Pre-PSY or Pre-NSC.

**PSY 1305 Psychological Science: Understanding Human Behavior (3)**

A survey course investigating the connections among mind, brain, and behavior.

**PSY 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PSY 2402 Statistics (4)**

Pre-requisite(s): PSY 1305 and a C or better in either MTH 1320, MTH 1321, or STA 1380  
An introduction to descriptive and inferential statistics used in behavioral science research. Emphasis is placed on techniques of data analysis through the use of computers.

**PSY 2405 Research Methods in Psychology (4)**

Pre-requisite(s): PSY 1305 and 2402  
Research methods used in psychology, including various research designs, appropriate statistical analyses for the research designs, and writing reports using APA style.

**PSY 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PSY 3111 Laboratory in Cognition (1)**

Cross-listed as NSC 3111  
See NSC 3111 for course information.

**PSY 3120 Laboratory in Learning and Behavior (1)**

Cross-listed as NSC 3120  
See NSC 3120 for course information.

**PSY 3123 Laboratory in Sensation and Perception (1)**

Cross-listed as NSC 3123  
See NSC 3123 for course information.

**PSY 3308 Theories of Psychotherapy and Counseling (3)**

Pre-requisite(s): PSY 1305 and 2402  
The major schools and current trends in psychotherapy. Discussion also includes issues involving ethical practices and empirical aspects of psychotherapy.

**PSY 3309 Introduction to Clinical Psychology (3)**

Pre-requisite(s): PSY 1305 and 2402  
Students will learn about models of training in clinical psychology and the basic tools used by clinical psychologists in research, assessment/diagnosis, and treatment.

**PSY 3310 Social Psychology (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor  
A study of individual behavior as affected by cultural and social stimuli.

**PSY 3311 Cognition (3)**

Cross-listed as NSC 3311  
See NSC 3311 for course information.

**PSY 3314 Industrial/Organizational Psychology (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor  
A survey of personnel and organizational psychology. Topics include job satisfaction, leadership, formal organizational structures and issues relevant to the human relations field.

**PSY 3318 Psychology of Memory (3)**

Pre-requisite(s): NSC 1106-1306, PSY 1305 and 2402 or consent of instructor  
An introduction to the study of human memory, including both laboratory studies and clinical data. This information will be related to major contemporary theories of memory, as well as to a range of phenomena including mnemonics, eyewitness testimony, retention of course content, and supranormal memory. Demonstrations and experiments will complement lecture material.

**PSY 3320 Learning and Behavior (3)**

Cross-listed as NSC 3320  
See NSC 3320 for course information.

**PSY 3321 Abnormal Psychology (3)**

An introduction to historical and modern views of abnormal behavior and a survey of the field of psychological disorders. For non-majors only.

**PSY 3323 Sensation and Perception (3)**

Cross-listed as NSC 3323

See NSC 3323 for course information.

**PSY 3330 Psychopathology (3)**

Pre-requisite(s): NSC 1106-1306 and PSY 1305

The paradigms and processes involved in understanding the etiology, course, treatment, and prevention of psychological disorders. For majors only.

**PSY 3333 Biopsychology of Health Disparities (3)**

Pre-requisite(s): PSY 1305

The study of the biopsychosocial factors leading to socioeconomic health disparities.

**PSY 3335 Child Psychopathology (3)**

Pre-requisite(s): PSY 1305

Introduction to the field of abnormal child and adolescent psychology, including the causes, maintenance, and treatment of children's behavioral, social-emotional, and cognitive disorders from a developmental perspective.

**PSY 3341 A Survey of Human Development (3)**

A survey of the field of developmental psychology. Consideration is given to the development of human behavior from conception to death. For nonmajors only.

**PSY 3350 Developmental Psychology (3)**

Pre-requisite(s): NSC 1106-1306 and PSY 1305

Social, emotional, cognitive, and psychological growth and development. For majors only.

**PSY 3355 Drugs and Behavior (3)**

Pre-requisite(s): NSC 1306 or consent of instructor

A study of the major drugs used to modify mood and behavior examination of tolerance, dependence, addiction, and treatment. Substances studied include alcohol, anti-psychotic medications, sedatives, stimulants, analgesics, hallucinogens, and other psychoactive substances.

**PSY 3360 Psychology of Gender (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor

Introduction to the psychology of gender, with focus on interconnections of social and cultural processes with biological and psychological factors. Additional emphasis on psychological and sociological origins and implications of gender differences as well as similarities.

**PSY 3370 Affective Neuroscience (3)**

Cross-listed as NSC 3370

See NSC 3370 for course information.

**PSY 3375 Sleep (3)**

Cross-listed as NSC 3375

Pre-requisite(s): NSC 1306

The psychology and neuroscience underlying healthy sleep, the effects of sleep deprivation on medical outcomes, changes in sleep across the lifespan, sleep disorders, and solutions for improving sleep.

**PSY 3380 Forensic Psychology (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor

Psychology as it relates to criminal and civil law.

**PSY 3399 Positive Psychology and Well-Being (3)**

Pre-requisite(s): PSY 1305 and 2402

Positive psychology theory, research, and interventions.

**PSY 3406 Comparative Psychology (4)**

Pre-requisite(s): NSC 1106-1306, PSY 1305 and 2402 or consent of instructor

A phylogenetic comparison of animal behavior. Class and field studies stress evolution and the function of behavior. The laboratory consists of four overnight or day field trips which emphasize studies of animal populations, their relationships to local environments, habitat analysis, and ecological research methods.

**PSY 3425 Group Processes (4)**

Pre-requisite(s): PSY 1305 and 2402, or consent of instructor

Group dynamics, leadership roles in problem solving, and analysis of interpersonal behavior.

**PSY 3V90 Community Internship in Psychology (1-3)**

Pre-requisite(s): PSY 3321 or 3330 or consent of instructor

A contracted number of forty, eighty, or one hundred-ten hours of volunteer work during the semester in a community agency dealing with behavioral problems for the one, two, or three semester hours credit respectively. The course may be repeated once. No change in number of credit hours permitted after contract is made.

**PSY 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**PSY 4119 Laboratory in Clinical Neuroscience (1)**

Cross-listed as NSC 4119

See NSC 4119 for course information.

**PSY 4130 Advanced Laboratory in Neural Science (1)**

Cross-listed as NSC 4130

See NSC 4130 for course information.

**PSY 4302 Human Development (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor

Research related to human growth and development.

**PSY 4312 Behavioral Medicine (3)**

Cross-listed as MH 4312, NSC 4312

See NSC 4312 for course information.

**PSY 4315 Psychological Assessment and Psychometrics (3)**

Pre-requisite(s): PSY 2402

Commonly employed psychological tests and the statistical techniques used to develop and validate these tests.

**PSY 4317 Literature of Behavioral Neuroscience (3)**

Cross-listed as NSC 4317

See NSC 4317 for course information.

**PSY 4319 Clinical Neuroscience (3)**

Cross-listed as NSC 4319

See NSC 4319 for course information.

**PSY 4324 Research on the Senses and Perception (3)**

Cross-listed as NSC 4324

See NSC 4324 for course information.

**PSY 4325 Sports and Exercise Psychology (3)**

Pre-requisite(s): PSY 1305 or consent of instructor

Examines psychological theories and research related to sport and exercise behavior, providing a broad overview of the major topics in the area.

**PSY 4327 Theories of Personality (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor

Major theories of personality.

**PSY 4329 Consciousness (3)**

Pre-requisite(s): NSC 1106-1306 and PSY 1305 or consent of instructor  
A study of various theoretical views of the mind and the impact of the cognitive movement in psychology; relevant experimental studies are examined.

**PSY 4330 Advanced Principles of Neural Science (3)**

Cross-listed as NSC 4330

See NSC 4330 for course information.

**PSY 4339 Psychology of Religion (3)**

Pre-requisite(s): PSY 1305 or consent of instructor

Psychological processes in religious experience and related phenomena with a focus on religious development through the life cycle and the major psychological interpretations.

**PSY 4355 Psychology and Aging (3)**

Pre-requisite(s): PSY 1305 or consent of instructor

Normal and abnormal changes in behavior that occur between early maturity and later maturity, with emphasis on changes in sensation and perception, intelligence, learning, and personality, as well as other areas of a more social psychological nature such as social roles and the impact of environmental change on older people.

**PSY 4371 Advanced Research in Psychology (3)**

Pre-requisite(s): Consent of instructor

An in-depth laboratory research experience in psychology as supervised by a faculty mentor.

**PSY 4380 Psychology of Personal Relationships (3)**

Pre-requisite(s): PSY 1305 and 2402; and upper-level standing

Classic and contemporary theories and research pertaining to personal and social relationships.

**PSY 4385 Psychology of Film (3)**

Pre-requisite(s): PSY 1305 and upper-level standing, or consent of instructor

The psychological aspects of film, as related to content, audience, and individual viewers. Also covers the portrayal of mental illness and mental health care professionals.

**PSY 4395 History of Psychology (3)**

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor

A survey of the history of psychology stressing significant persons and theories with some emphasis on contemporary and emerging trends.

**PSY 4400 Advanced Statistics I (4)**

Pre-requisite(s): PSY 2402 or STA 2381 or equivalent; and upper-level standing

Logical nature of statistical reasoning. Sets, probability, density functions, random variables and their distributions, estimation and hypothesis testing.

**PSY 4V96 Special Topics in Psychology I (1-4)**

Pre-requisite(s): Consent of instructor

Course may be repeated once with change in content.

**PSY 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Public Health (PUBH)

**PUBH 1145 Health and Human Behavior (1)**

The intent of this class is to explore a variety of health issues pertinent to the following topics: stress, mental/emotional health, aging, death, human sexuality, chemical use, nutrition, exercise, chronic and degenerative diseases, and infectious diseases.

**PUBH 2313 Consumer Health (3)**

The basic principles involved in purchasing health goods and health services are presented. Topics include advertising, health insurance, selecting health professionals, and the use of health care agencies.

**PUBH 2330 Introduction to Public and Population Health (3)**

Pre-requisite(s): Public Health major, minor or consent of instructor

Introduces students to historical and theoretical foundations of community, public, and population health, social determinants of health and programs designed to address public health issues. The course is designed to cover the seven competency areas of an entry-level health education specialist and the foundational dimensions of public health. Professional preparation including career opportunities, mock interviews, and resume and cover letter writing are also included.

**PUBH 2331 Health Concepts and Competencies (3)**

Pre-requisite(s): Public Health major, minor or consent of instructor

PUBH 2330 or concurrent enrollment. History, philosophy, and ethics in the practice of health education. Development of skill in the seven areas of responsibility with emphasis on needs assessment, writing goals and objectives, and planning for effective health education programs in school and community settings.

**PUBH 2332 Survey of Public Health - for NON MAJORS (3)**

This is an introductory course to public health for non-Public Health majors. The course will introduce students to the goals, principles, core functions, and essential services of public health. Students will learn about the social determinants of health and how they impact behavior-related health issues. The course will provide a general overview of the different public health eras and initiatives, with a focus on the disciplinary nature of the

**PUBH 3313 Nutrition (3)**

Pre-requisite(s): Upper-level standing

A study of the fundamental, as well as relevant, current research and issues in nutrition in the United States and the world.

**PUBH 3314 Environmental Health (3)**

A course designed for the study of environmental health hazards such as air, water, solid wastes, noise pollution, radiation, pesticides, food additives, metallic menaces, substandard housing, urban environment, and population dynamics. The role of conservation and governmental agencies concerned with pollution control is included in the course.

**PUBH 3317 Mood-Modifying Substances (3)**

Analysis of major mood-modifying substances, including alcohol and tobacco, and also use and misuse of over-the-counter and prescription drugs. Many alternatives to chemical use and methods of effectively working with school-aged children will be addressed.

**PUBH 3320 Stress Management/Mental-Emotional Health (3)**

Pre-requisite(s): Upper-level standing

To introduce students to the topic of stress and its impact on their lives; further, to develop behavioral skills in which to deal healthfully with the impact of a technological society. The second half of the class will devote itself to topics and activities that relate to feelings of positive self-worth and psychosomatic wellness.

**PUBH 3325 Maternal and Infant Health (3)**

The purpose of this course is to provide students contextual insight into multilevel influences that shape current maternal and infant health outcomes. Students will improve their understanding of the historical basis for contemporary global and domestic approaches to prenatal care, childbirth, postpartum practices, as well as public policy.

**PUBH 3331 Planning in Public and Community Health (3)**

Pre-requisite(s): Public Health major, minor  
PUBH 2330 and 2331 Provides in-depth focus on program planning in health education that includes planning models and strategies. Experiential learning through a group writing project serves as the framework for each component of the program plan.

**PUBH 3350 Human Physiology for Allied Health Professionals (3)**

Pre-requisite(s): A minimum grade of C in HP 1420  
Survey of the function and interrelationship of body systems with emphasis on the homeostasis of these systems.

**PUBH 3351 Epidemiology/Vital Statistics (3)**

An introductory epidemiology course for students interested in public health. Topics will include historical foundations, study designs, and organizing and analyzing epidemiologic data.

**PUBH 4320 Men's Health and Wellness (3)**

Pre-requisite(s): Upper-level standing  
Focuses on issues specific to men's overall health and wellness, concepts of multiple masculinities, men's body image and the portrayal of men in media. This course is available to men and women.

**PUBH 4321 Human Sexuality (3)**

Pre-requisite(s): Upper-level standing  
A health education course in which basic concepts of human sexuality are analyzed and discussed. The course is designed to help students better understand the influences that affect the complex nature of human interaction and to provide accurate information needed to help develop responsible decision making skills.

**PUBH 4323 Professional Field Experiences in Health (3)**

Pre-requisite(s): Junior standing, twenty-one semester hours in health education courses and consent of the division director  
Planned experiences in various community agencies including both public and voluntary health organizations.

**PUBH 4327 Dying and Death Education (3)**

Pre-requisite(s): Upper-level standing  
A course of death education designed to help students develop constructive attitudes, values, and practices. This experience will nurture an appreciation of the connection between life and death.

**PUBH 4331 Intervention Design in Public and Community Health (3)**

Pre-requisite(s): Public Health major, minor or consent of instructor  
PUBH 2331 and 3331. Theories and methods used in designing culturally appropriate intervention in public and community health. A special emphasis is focused on social marketing techniques used to promote healthy behaviors and lifestyle changes.

**PUBH 4333 Evaluation in Public and Community Health (3)**

Pre-requisite(s): Public Health major, minor  
PUBH 2330, 3331 and 4331. Focuses on process, impact, and outcome evaluation of public and community health interventions. Other skills covered include research design, data collection tools, quantitative methods, qualitative methods, data analysis, and data interpretation and visualization.

**PUBH 4340 Global Health (3)**

Overviews global health issues and the role of health education and public health worldwide.

**PUBH 4341 Cross-Cultural Health Communication (3)**

Overviews cross-cultural communication concepts/strategies used in health education to assess health needs and communicate health information. Designed for field-based international or local culture-specific settings.

**PUBH 4355 Human Diseases (3)**

Pre-requisite(s): A minimum grade of C in PUBH 3350  
Basic principles of pathophysiology and mechanism of diseases affecting the human body, including basic principles of epidemiology with emphasis on the causation and effects of disease on human populations.

**PUBH 4V80 Professional Internship in Health (1-6)**

Pre-requisite(s): Senior standing, twenty-four semester hours in health education courses and consent of the division director  
Designed to provide students with planned experiences with professionals in various health, allied health and/or community health settings including public, private, and health agencies.

## Quantitative Business Analysis (QBA)

**QBA 2302 Business Data Analysis I (3)**

Pre-requisite(s): Cumulative GPA of 3.0 or higher  
A minimum grade of C in BUS 1305 or BUS 1350. Only open to BBA students. The application of statistical methods used in business decision-making. Topics include methods for accessing and describing data. An introduction to probability provides a framework for risk analysis. Inferential statistics is covered through confidence interval estimation, hypothesis testing, and correlation and linear regression analysis. Statistical software is presented for producing data summaries and statistical computations.

**QBA 3305 Introduction to Business Analytics (3)**

Pre-requisite(s): Minimum grade of C in QBA 2302  
Only open to BBA students. Designed to aid in understanding what has happened in the past in a firm (descriptive analytics), using past data to predict what is going to happen in the future (predictive analytics), and helping to determine the best course of action to take (prescriptive analytics). Explores how to combine statistical modeling and computer techniques to help make principled decisions in the context of business.

**QBA 3306 Statistical Models in Business (3)**

Pre-requisite(s): A minimum grade of C in QBA 3305  
Emphasizes building computer-based statistical models as aids in business problem solving. Case studies are analyzed using multiple regression, analysis of variance, time series forecasting methods, and survey sampling. Emphasis is placed on current computer-based statistical methods and business applications.

**QBA 4V98 Special Studies in Quantitative Business Analysis (1-6)**

Not open to pre-business students.

## Recreation & Leisure Services (RLS)

**RLS 1202 First Aid (2)**

Cross-listed as HP 1202, RED 1202  
See HP 1202 for course information.

**RLS 1234 Canoeing Instructor Certification (2)**

This course is designed to qualify a student as an American Red Cross Canoeing Instructor. Upon completion of the course the student will be able to organize, teach, and issue certification for Red Cross basic canoeing courses.



**RLS 1235 Sailing & Canoeing Instructor (2)**

Pre-requisite(s): LF 1159

Qualifies a student as an American Red Cross Instructor for sailing and canoeing. Upon completion of the course the student will be able to organize, teach, and issue certification for Red Cross basic sailing and canoeing courses.

**RLS 1396 Introduction to Leisure Services (3)**

Introduction to the concepts of leisure and recreation, the components of leisure service systems and the role of recreation in human experience and society. A survey of the historical development of recreation and leisure and its corresponding philosophical and theoretical thought.

**RLS 2201 Adventure Recreation Leadership and Challenge Course Facilitation (2)**

This course is designed to provide students with the knowledge, skills, and practical experience necessary to lead adventure recreation experiences: group initiatives, low challenge courses, and high challenge courses. The course will consist of classroom and laboratory experiences in the Rec Lab and at the Challenge Course at Eastland Lakes.

**RLS 2202 Climbing Wall Instructor Certification Course (2)**

Pre-requisite(s): Must have a Baylor University belay certification prior to the first day of class or have belaying experience

At least one year documented personal climbing experience (a minimum of occasions climbing indoors and/or outdoors.) Prior teaching experience or have observed at least two belay classes at the Baylor Rock Wall are highly recommended. Approval by course instructor required. Climbing ability for AMGA certification: 5.9 top rope and 5.8 for lead certification on artificial structures. This course is designed for climbers interested in becoming climbing wall instructors. This class will focus on how to teach climbing skills, develop lessons, manage risk, and perform rescues. The focus areas are specific to the AMGA Climbing Wall Instructor Course but are similar skill sets required for outdoor leaders in many settings. The course will emphasize educational theories, lesson plan development, and giving/receiving feedback.

**RLS 2301 Camp Counseling and Administration (3)**

This course will deal with the administration and organization of resident and day camps. It will also cover the responsibilities of the different camp leadership (counselor, nurse, cook, etc.).

**RLS 2388 Leisure and Lifestyle Well-Being (3)**

Develop the knowledge and skill to develop programs and services to educate the public for leisure and to improve student's personal health through lifestyle decision-making. To understand the role of leisure in the American lifestyle and to assist the American public to develop a more enjoyable life (experience quality of life) through leisure education, skills, leadership strategies and resources. Lab experience required.

**RLS 2389 Leadership and Facilitation in Leisure Services (3)**

Facilitate development of leisure lifestyle and use of leisure resources, and the ability to use leadership techniques to organize and conduct leisure programs and services. Acquire a knowledge of the role and content of leisure programs and services. This is accomplished through such as indoor/outdoor games, mixers, table games, skits/stunts, songs, stories, hobbies/crafts, and planning socials/picnics/retreats.

**RLS 2395 Foundations of Therapeutic Recreation (3)**

Psychological, sociological, physiological, historical significance of therapeutic recreation, philosophy, theories, practices of health and human service professionals, and functioning needs and implications of therapeutic recreation with persons with disabilities with experiential opportunity.

**RLS 3301 Theory & Practice of Outdoor Adventure Programs (3)**

Pre-requisite(s): RLS major or upper-level standing

Outdoor Adventure experiences are a desired programming element offered in comprehensive leisure service agencies and may also be the primary or sole focus of an agency. This course is designed to introduce students to the philosophical and theoretical foundations of outdoor adventure programming. The course will also explore the many core competency areas required of outdoor adventure administrators that occur in the field, managerial, educational and leadership realms. Through classroom and field experiences, students will be able to increase knowledge related to the career path for the professional, implications/benefits for the participant and programming considerations of outdoor adventure experiences. Weather and schedule permitting, the course will expose students to a variety of institutional, front country type outdoor adventure experiences including caving, biking, rock climbing, backpacking, camping and rappelling. All equipment furnished except bicycle. Two week-end trips, one Saturday, and three evenings required.

**RLS 3302 Program Planning in Leisure Services (3)**

Pre-requisite(s): RLS major or upper-level standing

Students will become aware of programming content and process including assessment, planning, implementation and evaluation of services. Students will develop an awareness of professional practices/principles, resources, promotion and marketing, and computer applications.

**RLS 3303 Outdoor Adventure Certifications (3)**

Designed to help students acquire foundational knowledge of outdoor leadership and receive certifications in three areas covering Wilderness Medicine, Leave No Trace: Outdoor Ethics, and Wilderness Education Associates: National Standard Protocol. All equipment furnished. One weekend trip required.

**RLS 3382 Risk Management in HHPR (3)**

Cross-listed as HP 3382, RED 3382

See HP 3382 for course information.

**RLS 3396 Field Laboratory in Leisure Services (3)**

Pre-requisite(s): A minimum grade of C in RLS 1396, 2388, 2389, and 3302

Field experience in selected leisure service delivery settings with supervision by qualified professional. Documentation of 200 clock hours during semester. (Graded)

**RLS 4301 Outdoor Education (3)**

Pre-requisite(s): RLS major or upper-level standing

This course will deal with ways to use the outdoors to facilitate and enrich learning related to the school curriculum. It will also deal with ways to enjoy and protect our natural environment. Some of the skills involved are the use of nature games, compass and map games, conservation projects, natural crafts, field investigations, trail building, and teaching various classroom subjects in an outdoor setting.

**RLS 4331 Meanings, Culture, and Philosophy of American Landscapes (3)**

A critical approach to understanding the meanings, culture, and philosophies Americans ascribe to natural landscapes. Traditional perspectives including colonial American, romantic, and science-based conservation are characterized, as well as revisionist themes aligned with gender, cultural pluralism, and societal meanings of natural resource based protected areas.

**RLS 4390 Independent Study in Recreation (3)**

Pre-requisite(s): For majors only

Additional in-depth study in a particular area under the supervision of a faculty member.



**RLS 4391 Leisure Service Management (3)**

Develop understanding of management as applied to leisure systems. Content includes organizational theories/behavior, personnel and fiscal management, legal and legislative concepts, and computer use in the management functions.

**RLS 4392 Professional Issues and Practices in Leisure Services (3)**

Pre-requisite(s): A minimum grade of C in RLS 1396, 2388, 2389, 3302, and 3396

Examination and application of research and evaluation models and methodologies to planning and delivering programs. Computer applications with statistical analysis of data to evaluate actual programs. Students study current professional issues, trends, organizations, and professionalism. Students prepare for internship, develop professional resources, and practice articulating professional philosophies.

**RLS 4393 Facilities and Equipment in HHPR (3)**

Cross-listed as HP 4393, RED 4393

See HP 4393 for course information.

**RLS 4395 Principles of Church Recreation (3)**

History, philosophy, objectives, and administration of recreation in the church and how it relates to the total ministry of the church. It will include an overview of various areas of church recreation and an investigation of leisure and its value in a church setting.

**RLS 4396 Considerations for Diverse Populations in Leisure Programming (3)**

Pre-requisite(s): RLS major or upper-level standing

In-depth investigation into the nature and implications of social class, ethnicity and race, gender, age, illness and disability upon individuals and their leisure/recreation patterns and leisure service delivery, with consideration of societal attitudes, role of leisure professionals, relevant legislation, programming opportunities, and resources for service delivery. Field experience required.

**RLS 4V13 Recreation & Leisure Services Field School (3-9)**

Short-term educational travel to a selected area(s) to observe and analyze social, economic, and environmental systems relative to natural resource management and outdoor recreation environments and to develop leadership and technical skills necessary to manage both environments and people associated with recreation programming. Methodologies may include ethnography, service and/or experiential learning, and application of the scientific method.

**RLS 4V94 Internship in Leisure Services (3-9)**

Pre-requisite(s): 2.25 overall GPA and 2.5 GPA in major and completed all major courses in RLS

Full-time work placement internship with a leisure service agency involving application of major courses in day-to-day operations and a project mutually agreed upon by the instructor and agency. (Graded)

## Religion (REL)

**REL 1310 The Christian Scriptures (3)**

An introduction to the Old and New Testaments (their contents, historical backgrounds, and major themes), and to appropriate strategies for interpretation of the Bible.

**REL 1350 The Christian Heritage (3)**

Pre-requisite(s): REL 1310

An introduction to Christian life and thought, from the early church to the present, through an examination of great texts with an emphasis on Christian doctrine, ethics, witness and institutions.

**REL 2480 Introduction to Ministry (4)**

Pre-requisite(s): REL 1310, 1350 and sophomore standing or above  
The church and its ministry, including leadership, and functions of ministry, with a special attention to the history, heritage, distinctive characteristics, and cooperative efforts of Baptists. Includes an internship under the supervision of an area minister.

**REL 3301 Psalms and Wisdom Literature (3)**

Pre-requisite(s): REL 1310 and 1350

A study of the worship and wisdom literature of the Old Testament: the books of Psalms, Proverbs, Job, and Ecclesiastes.

**REL 3303 Archaeology and the Bible (3)**

Cross-listed as ARC 3303

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

An introduction to Biblical archaeology with emphasis on the archaeological discoveries which relate significantly to the understanding and interpretation of the Bible.

**REL 3304 Prophets (3)**

Pre-requisite(s): REL 1310 and 1350

A study of Old Testament prophecy emphasizing the prophetic books—their origins, times, and messages.

**REL 3305 Interpreting the Old Testament (3)**

Pre-requisite(s): REL 1310 and 1350

Analysis of the literature of the Old Testament, examining various methods used in Old Testament study. Attention will be given to relevant bibliography, leading scholars, and major issues in current Old Testament study.

**REL 3307 Former Prophets (3)**

Pre-requisite(s): REL 1310 and REL 1350

The Former Prophets (Joshua, Judges, 1 and 2 Samuel, and 1 and 2 Kings) as narrative, with attention to relevant historical, theological and literary issues.

**REL 3308 The Literature of the Pentateuch: Narrative, Poetry, Genealogy, and Law (3)**

Pre-requisite(s): REL 1310 and 1350

The first five books of the Old Testament with attention to the Pentateuch's distinct literary forms, their historical and cultural contexts, and the intersecting visions of reality these texts offer.

**REL 3309 Advanced Biblical Hebrew I (3)**

Pre-requisite(s): HEB 1302 or its equivalent

Selected readings in narrative prose of the Hebrew Bible with attention to advanced grammar and syntax.

**REL 3310 Advanced Biblical Hebrew II (3)**

Pre-requisite(s): HEB 2310 or REL 3309 or equivalent

Selected readings in poetic texts of the Hebrew Bible with attention to advanced grammar and syntax.

**REL 3311 Jesus and the Gospels (3)**

Pre-requisite(s): REL 1310 and 1350

A study of the portrayal of Jesus in the New Testament Gospels and an introduction to the question of "the historical Jesus."

**REL 3312 The Johannine Literature (3)**

Pre-requisite(s): REL 1310 and 1350

A study of the Johannine Literature with special attention to the historical setting, literary design, theological themes, and interpretations of the Gospel and Epistles of John.

**REL 3314 Paul and His Writings (3)**

Pre-requisite(s): REL 1310 and 1350

A study of the life and letters of the apostle Paul.

**REL 3315 The General Epistles (3)**

Pre-requisite(s): REL 1310 and 1350

A study of Hebrews, James, 1 and 2 Peter, Jude, and 1, 2, and 3 John.

**REL 3319 Interpreting the New Testament (3)**

Pre-requisite(s): REL 1310 and 1350

Analysis of literature of the New Testament, examining various methodologies, both historical and contemporary, in New Testament study. Attention will be given to relevant bibliography, leading scholars, and major issues in current New Testament study.

**REL 3320 Advanced Classical and Biblical Greek I (3)**

Pre-requisite(s): GKC 1302 or its equivalent

Selected readings from Plato and the Gospels with attention to advanced syntax and to the interpretive relationship between Classical and New Testament texts.

**REL 3321 Advanced Classical and Biblical Greek II (3)**

Pre-requisite(s): GKC 2320 or its equivalent

Readings in Homer's *Odyssey* with continued emphasis on Greek syntax and the interpretive relationship between Classical and New Testament texts.

**REL 3330 Introduction to Church History (3)**

Pre-requisite(s): REL 1310 and 1350

A survey of church history from New Testament times to the present.

**REL 3331 Topics in Historical Studies (3)**

Pre-requisite(s): REL 1310 and 1350

Major themes or movements in church history. The course may be repeated once with a different topic.

**REL 3333 History of Roman Catholicism (3)**

Pre-requisite(s): REL 1310 and 1350

Historical and theological developments of Roman Catholicism from the patristic period to the present. Special attention will be directed toward individuals, movements, and councils.

**REL 3338 Women in Christian History (3)**

Pre-requisite(s): REL 1310 and 1350

A survey of the role of women in Christian history from the early church to the present.

**REL 3339 Law and Religion in the United States (3)**

Cross-listed as CHS 3339, PHI 3339, PSC 3339

See PHI 3339 for course information.

**REL 3344 New Religious Movements in the United States (3)**

Pre-requisite(s): REL 1310 and 1350

The origin, development, and teachings of various New Religious Movements from a sociological, theological, phenomenological, and historical perspective.

**REL 3345 World Religions (3)**

Cross-listed as AST 3345

Pre-requisite(s): REL 1310 and 1350 or BIC 3358

Historical, aesthetic, philosophical, anthropological, sociological, and psychological approaches to the major faith traditions of our world.

**REL 3348 Hitler and the Holocaust (3)**

Cross-listed as HIS 3308

See HIS 3308 for course information.

**REL 3351 Introduction to Christian Theology (3)**

Pre-requisite(s): REL 1310 and 1350

Central doctrines of the Christian faith: revelation, the person and work of Jesus Christ, the Holy Spirit election, man, sin, Holy Scripture, and reconciliation. Classical and contemporary theological formulations will be used as illustrative material.

**REL 3352 Monks, Martyrs and Heretics in Early Christianity (3)**

Pre-requisite(s): REL 1310 and 1350

The emergence of doctrines and identity in earliest Christianity.

**REL 3353 Persecution and Martyrdom of Christians in Antiquity and Today (3)**

Pre-requisite(s): REL 1310 and REL 1350

Christian persecution and martyrdom with focus on earliest Christianity and the modern era.

**REL 3370 Religion and Literature (3)**

Cross-listed as ENG 3370

See ENG 3370 for course information.

**REL 3381 Communication in Ministry (3)**

Pre-requisite(s): REL 1310 and 1350

A study and practice of effective communication in ministry.

**REL 3382 Cross-Cultural Ministry (3)**

Pre-requisite(s): REL 1310 and REL 1350

Issues related to cross-cultural ministry and contemporary approaches for Christian missions.

**REL 3390 Christian Ethics (3)**

Pre-requisite(s): REL 1310 and 1350

Introduction to Christian Ethics through texts from Christian thinkers. By examining primary sources and varied approaches to Christian ethical reflection, students develop critical assessments of contemporary moral issues including family life, economic systems, and violence and war.

**REL 3391 Global Ethics (3)**

Pre-requisite(s): REL 1310, 1350

The major theoretical and applied debates in the field of global ethics (ethics in global context, approached using a variety of methodologies, including but not limited to traditional Christian ethical approaches).

**REL 3394 War and Peace in the Christian Tradition (3)**

Pre-requisite(s): REL 1310 and 1350

An examination of relevant Biblical materials and their interpretation and application throughout Christian history. An analysis of three major historical positions; pacifism, just war, and crusade, and an examination of contemporary expressions in scholarship, public policy, and popular thought.

**REL 3396 Christianity and Films (3)**

Pre-requisite(s): REL 1310 and 1350

Film viewing and critiquing of films from an ethical-theological perspective. This course will not be accepted for credit toward the six hour religion requirement by the university.

**REL 3397 Gender, Feminism and Theology (3)**

Pre-requisite(s): REL 1310 and 1350

Christian theology through the lenses of gender and feminism, including questions, critiques, and arguments of feminist theologians.

**REL 3V00 Biblical Heritage and Contemporary Society in the Holy Land (1-3)**

Cross-listed as MES 3V00

Pre-requisite(s): REL 1310 and 1350

A tour and intensive study of the Holy Land, focusing on geography, biblical heritage, and how that heritage influences contemporary Jewish/Palestinian issues. May not be repeated.

**REL 3V02 Undergraduate Research/Experiential Learning (1-3)**

Pre-requisite(s): REL 1310 and REL 1350

Supervised undergraduate research or experiential learning in the field of religion. The course may be repeated for up to three semester hours of credit.

**REL 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**REL 4300 Special Topics in Religion (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
Special topics of study in the discipline of religion, especially in areas not covered in the regular curriculum. The course may be repeated once when content differs.

**REL 4302 Archaeology and the Ancient Near East (3)**

Cross-listed as ARC 4302  
Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
Ancient Near East, its history, culture, and religion as evidenced through archaeological excavation and the interpretation of archaeological data. The focus of the course will be upon the Biblical period.

**REL 4303 Aramaic (3)**

Cross-listed as ARA 4303  
See ARA 4303 for course information.

**REL 4304 Syriac (3)**

Cross-listed as SYR 4304  
Pre-requisite(s): REL 1310, 1350 and Upper-level standing  
Introduction to ancient Syriac with selected readings from Syriac manuscripts of biblical books as well as early Christian literature.

**REL 4305 Topics in Old Testament Studies (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
A designated book, group of books, or major theme from the Old Testament. The course may be taken up to three times when content differs.

**REL 4315 Topics in New Testament Studies (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
A designated book, group of books, or major theme from the New Testament. The course may be taken up to three times when content differs.

**REL 4316 Readings in the Greek New Testament and Early Christian Literature (3)**

Pre-requisite(s): GKC 2310 and 2320 or REL 3320 and 3321  
Language and literature of the New Testament and other early Christian writings including sample texts from a variety of early Christian genres (epistles, narratives, apocalyptic, etc.).

**REL 4317 Early Christianity and Identity in the Roman World (3)**

Pre-requisite(s): REL 1310, 1350; and upper-level standing  
The study of the rise of early Christianity and the complexity of Christian identity in the Roman world.

**REL 4333 History of Protestantism (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
History of Protestant Christianity from the precursors of Martin Luther to the present with emphasis upon the sixteenth-century Reformation, the various confessional traditions and major theological issues, the major developments affecting modern Protestantism, and the present state and future of Protestantism. The study will focus on Europe and North America.

**REL 4335 Baptist Life and Thought (3)**

Pre-requisite(s): REL 1310, 1350 and upper-level standing  
Baptist history and thought to the present, including the outreach of Baptist missions. The development of basic doctrine and polity within their historical settings, with special attention to biographies of important Baptist men and women.

**REL 4336 Introduction to Religion in America (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
American religious heritage with emphasis on its organization, expansion, thought, worship, and impact on American society.

**REL 4337 The European Reformation (3)**

Pre-requisite(s): REL 1310 and 1350  
The theology and historical context of the Magisterial, Radical, and Catholic sixteenth-century European Reformation.

**REL 4338 Women in Religion in America (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
The role of women in religion in America from colonial times to the present.

**REL 4340 Christian Missions (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
Biblical basis for missions, the expansion of Christianity, the encounter with non-Christian traditions, and contemporary rationales for Christian missions.

**REL 4341 World Christianity (3)**

Pre-requisite(s): REL 1310 and 1350  
Theologies and practices of Christian communities in Africa, Asia, Latin America and the Caribbean, and among immigrant Christian communities in the US and Europe, including cross-cultural encounters, inter-religious dialogue, global south Christian spirituality, and health and environmental issues.

**REL 4342 Christianity and the World Religions (3)**

Pre-requisite(s): REL 1310 and 1350  
The exchange and encounter between Christianity and the major world religions. Focus on religious worldviews, major events, religious and political trends, the history of missions, and a post-colonial critique of religious pluralism.

**REL 4343 Topics in Islam (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
The tenets, doctrines, and sects of Islam, including the religious underpinnings of Islamic society. Field trip required. The course may be repeated once with a different topic.

**REL 4346 Topics in Asian Religions (3)**

Cross-listed as AST 4346  
Pre-requisite(s): REL 1310 and 1350; and upper-level standing  
The basic history, beliefs and practices of religions in Asia. Course may highlight a specific religious tradition. The course may be repeated once with different topic.

**REL 4347 Topics in African Religions (3)**

Pre-requisite(s): REL 1310 and 1350  
History of religious expression in Africa plus contemporary changes as African religious traditions interact. With content changed, this course may be repeated once for a maximum of 6 semester hours.

**REL 4348 Modern Judaism (3)**

Pre-requisite(s): REL 1310, 1350 and upper-level standing  
Trends in 20th Century in Jewish thought, including Zionism, post-Holocaust thought, movements of Jewish renewal, and ecumenical relations.

**REL 4349 The World's Religions and Violence (3)**

Pre-requisite(s): REL 1310 and 1350  
Modern violence (particularly war, atrocity, and genocide) and how the religious traditions of Judaism, Christianity, Islam, Hinduism, Buddhism, Shinto, Sikhism, Jainism, and Zoroastrianism understand, challenge, and participate in it.

**REL 4350 Augustine's Theological Development (3)**

Cross-listed as CLA 4350

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

Selected writings of Augustine that focus on such themes as the problem of evil, scriptural hermeneutics, his theological anthropology, and his Trinitarian theology.

**REL 4355 Salvation (3)**

Pre-requisite(s): REL 1310 and 1350

Development of the doctrine of Salvation through the centuries, including theories of atonement, models of salvation, and how they function in the contemporary church.

**REL 4356 Christian Persecution and Martyrdom in the Roman World (3)**

Cross-listed as CLA 4356

See CLA 4356 for course information.

**REL 4357 Pagans and Christians in the Later Roman World (3)**

Cross-listed as CLA 4357

See CLA 4357 for course information.

**REL 4374 Leadership in Ministry (3)**

Pre-requisite(s): REL 1310, 1350 and upper-level standing

The principles and models of effective leadership in ministry.

**REL 4388 Christian Literary Classics (3)**

Cross-listed as ENG 4388

Pre-requisite(s): REL 1310 and 1350; and upper level standing

A study of the various ways in which theological and imaginative excellence is displayed in such classic Christian authors as Augustine, Dante, Herbert, Bunyan, and Hopkins.

**REL 4389 Disability Ethics (3)**

Pre-requisite(s): REL 1310 and 1350

Disability ethics, a unique field within in Christian ethics/theology, focuses on helping students understand various aspects of disability, what it has to teach Christians about God and one another, and how to include people with disabilities in worshipping communities.

**REL 4390 Contemporary Christian Ethics Theory (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

Designated theme, issue, or person in contemporary Christian ethical theory. The course may be taken up to three times when content differs.

**REL 4393 Environmental Ethics (3)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

Moral perspectives which inform and support environmental activity in our society. The primary focus will be on the various interpretations of how humanity is properly related to its environment and the consequences of these interpretations for the environmental action of individuals and social institutions.

**REL 4395 Bioethics (3)**

Pre-requisite(s): REL 1310 and 1350 or BIC 3358; and upper level-standing

Ethical issues in the fields of health care and other life sciences. Some of the issues studied include behavior modification, abortion, euthanasia, health care delivery, human experimentation, and genetic modification. A major research project on a selected issue approved by the professor will be required of each student.

**REL 4396 Religion and Sport (3)**

Cross-listed as HP 4396

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

This course explores the relationship between religion and sport, focusing on the issues of the sacred (persons, objects, time, space, communities), myth, theology, ritual, and experience. This course will not be accepted for credit toward a major or minor in religion or toward the six hour religion requirement by the University.

**REL 4397 Race, Racism, and Religion in America (3)**

Pre-requisite(s): REL 1310, REL 1350; and upper-level standing

Survey of dominant theological perspectives on race and histories of racism in American Christianity, as well as religious resources for racial reconciliation.

**REL 4398 Sports-Related Ethics (3)**

Cross-listed as HP 4398

See HP 4398 for course information.

**REL 4399 Senior Seminar (3)**

Pre-requisite(s): Senior standing

A senior level course required of all students majoring in religion. The seminar provides opportunity for reflection on the various disciplines and their interconnectedness in religious studies through assigned reading and directed research.

**REL 4V06 Palestinian Archaeology (1-6)**

Pre-requisite(s): REL 1310 and 1350; and upper-level standing

Archaeology of Palestine through readings, lectures, travel to excavated sites in Palestine, and participation in excavation at a selected site of major importance in Palestine. May be repeated once for credit.

**REL 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Russian (RUS)

**RUS 1101 Russian Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**RUS 1102 Russian Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**RUS 1301 Elementary Russian (3)**

Introduction to Russian language and culture: practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice proficiency

**RUS 1302 Elementary Russian (3)**

Pre-requisite(s): RUS 1301 or two units of high school Russian

Introduction to Russian language and culture: practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate proficiency level.

**RUS 2310 Intermediate Russian (3)**

Pre-requisite(s): RUS 1302 or three units of high school Russian

Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading)



**RUS 2320 Russian Culture in Context (3)**

Pre-requisite(s): RUS 2310 or consent of the instructor

An exploration of Russian cultural achievements through the ages with continued practice in speaking, writing, reading, and listening Russian at the intermediate level. Class conducted in Russian with emphasis on developing conversational skills. Specific topics vary, but may include science, literature, the visual arts, music, film, and sports.

**RUS 3301 Russian Conversation and Composition (3)**

Pre-requisite(s): Fourteen semester hours of Russian or consent of instructor

Further development of communication skills. Required of all Russian majors.

**RUS 3302 Russian Reading Development (3)**

Pre-requisite(s): Fourteen semester hours of Russian or consent of instructor

Development of Russian reading skills through grammar review and reading of selections from various areas of the arts and sciences.

**RUS 3310 Russian phonetics and phonology (3)**

Pre-requisite(s): RUS 2320 or consent of instructor

Analysis of Russian phonology and spelling; practice in Russian pronunciation and intonation.

**RUS 3345 Introduction to Russian Film: Culture and Identity (3)**

Cross-listed as FDM 3345

Pre-requisite(s): Upper-level standing or consent of instructor

An introduction to Russian culture through Russian film including cinematic traditions of the Soviet Union and Russian Federation. The course will explore questions of identity—national, regional, and gender. Taught in English

**RUS 3352 Modern Russian Short Story (3)**

Pre-requisite(s): Fourteen semester hours of Russian

Emphasis on Russian short prose fiction of the twentieth century.

**RUS 3353 Russian Drama (3)**

Pre-requisite(s): Fourteen semester hours of Russian

Emphasis on the drama of the nineteenth and twentieth centuries.

**RUS 3380 Russian Literature in Translation I (3)**

Does not count toward foreign language requirement. Survey of Russian poetry and prose from its beginning to the Revolution with emphasis on Pushkin, Gogol, Dostoevsky, Tolstoy, and Chekhov.

**RUS 3381 Russian Literature in Translation II (3)**

Does not count toward foreign language requirement. Survey of Russian poetry and prose from the Revolution to The present with emphasis on Mayakowsky, Pasternak, Bulgakov, and Solzhenitsyn.

**RUS 3V70 Special Problems (1-3)**

Pre-requisite(s): Consent of division director

With content changed, this course may be repeated once for credit. 1-0

**RUS 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**RUS 4301 Survey of Russian Literature (3)**

Pre-requisite(s): Seventeen semester hours of Russian including RUS 3301 or consent of instructor

Russian literature from its beginnings to the Revolution.

**RUS 4302 Survey of Russian Literature, continued (3)**

Pre-requisite(s): Seventeen semester hours of Russian including RUS 3301 or consent of instructor

Survey of Russian literature from the Revolution to the present.

**RUS 4V90 Independent Study (1-3)**

Pre-requisite(s): Consent of division director

Independent study in Russian language and literature in consultation with a professor. Examination and term paper. With content changed, this course may be repeated once for credit.

**RUS 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Sanskrit (SAN)

**SAN 1301 Elementary Sanskrit (3)**

Introduction to the basic elements of Classical Sanskrit: the devanagari script, grammar, and syntax.

**SAN 1302 Elementary Sanskrit (3)**

Pre-requisite(s): SAN 1301

Continuation of SAN 1301; Continuation of Classical Sanskrit grammar and syntax; selected readings from the Bhagavad-Gita and the Ramayana.

## Science Research Fellows (SRF)

**SRF 1306 Research Techniques I (3)**

Pre-requisite(s): Science Research Fellows major

The scientific process and common techniques and instrumentation used in biology, neuroscience and psychology research labs, including scientific literacy, data analysis and interpretation, and the breadth of scientific exploration.

**SRF 1307 Research Techniques II (3)**

Pre-requisite(s): Science Research Fellows major

Techniques and instrumentation for chemistry and biochemistry research labs; toxicology as it applies to all science disciplines.

**SRF 3V90 Research Problems in Science (1-4)**

Pre-requisite(s): SRF 1307 and Science Research Fellows major

Research project conducted under the supervision of a science research faculty member. Techniques and overall goals of the research group, including the details of a particular research project. This course may be repeated for a maximum of 8 total hours if research continues.

**SRF 4101 Senior Research Seminar I (1)**

Pre-requisite(s): Upper-level standing and Science Research Fellows major

Lab work and data analysis in preparation for presentation and possible publication, supervised by a faculty member.

**SRF 4102 Senior Research Seminar II (1)**

Pre-requisite(s): Upper-level standing and Science Research Fellows major

Presentation of research in a formal oral presentation to faculty and SRF peers, supervised by a faculty member.

**SRF 4V90 Senior Research Problems in Science (1-4)**

Pre-requisite(s): SRF 3V90 and Science Research Fellows major

Independent research project as determined by the faculty research advisor. Students will collect enough scientific data for publication. This course may be repeated for a maximum of 12 total hours if research continues.



## Slavic & East European Studies (SEES)

### SEES 2380 Introduction to Slavic and East European Studies I (3)

Cross-listed as HIS 2380, SLS 2380

Basic introduction to the peoples, history, and cultures of the countries covered by Slavic and East European Studies, including the post-Communist states of Central and Eastern Europe, the former Soviet Republics, and the former Federated Yugoslavia up to the mid-1700's.

### SEES 2381 Introduction to Slavic and East European Studies (3)

Cross-listed as HIS 2381

Major events and factors – e.g., political, economic, and social – leading to upheaval and change in the area countries from the mid-1760's to the present, with attention to the Bolshevik Revolution in Russia, Stalinism, the creation of the Soviet Empire, the collapse of communism in Central and Eastern Europe, and the transition of post-communist states.

### SEES 2V70 Independent Study (1-3)

Pre-requisite(s): Consent of director

Supervised individual research in Slavic Studies consultation with a professor. Examination and term paper. With content changed, course may be repeated once for credit.

### SEES 3V70 Advanced Independent Study (1-3)

Pre-requisite(s): Consent of director

Independent research in Slavic Studies in consultation with a professor. Examination and term paper. With content changed, course may be repeated once for credit.

### SEES 4363 Traditional Music and Culture in Europe (3)

Cross-listed as MUS 4363

See MUS 4363 for course information.

### SEES 4379 The Cold War (3)

Cross-listed as HIS 4379

See HIS 4379 for course information.

### SEES 4V90 Independent Readings (1-3)

Pre-requisite(s): Consent of instructor and graduate director of student's home department; upper-level standing

This course is designed for advanced undergraduates and graduate students. Directed readings on a topic selected by the student in consultation with the graduate director of the student's home department and the director of SEES. Maximum of 6 credit hours.

## Social Innov. Collaborative (SIC)

### SIC 4V98 Special Topics in Social Innovation (1-4)

Study of advanced topics in social innovation, with attention to a particular "wicked" problem. This course may be repeated twice when topics differ, not to exceed nine semester hours.

## Social Work (SWO)

### SWO 1101 Social Justice and New Beginnings at Baylor (1)

New student experience course designed to help students acclimate to college life with a specific focus on vocational calling and social justice as defined within the social work profession.

### SWO 1300 Human Flourishing & Social Issues (3)

Through this course, students will consider barriers to human flourishing in contemporary society through experiential learning opportunities in both residential and community contexts. Students will draw on the connections between leadership, social change, and human flourishing; seeking to develop a deeper understanding of self and their vocation interests in a global context.

### SWO 2320 Human Diversity and Leadership (3)

This course creates opportunities to increase understanding of diversity and difference, power and privilege, and oppression—as well as an understanding of oneself. Students will look at diversities within religion, ability, age, sexual orientation in addition to race/ethnicity, class, gender. This is an essential foundation for culturally competent leadership in any professional or volunteer setting.

### SWO 2321 Introduction to Social Work (3)

An introduction to the profession of social work and the institution of social welfare. Emphasis is on common human needs and problems, and the development and functioning of social welfare as an institution of society. Course content includes history, knowledge base, values, and skills of professional social work as well as contexts for practice and career opportunities.

### SWO 2V80 Special Topics (1-3)

Provides instruction in areas of social work knowledge, values, and/or skills that are not available in the standard social work baccalaureate or graduate curricula. Course may be repeated up to six times with different topics of study, not to exceed a maximum of six semester hours.

### SWO 3305 Introduction to Gerontology (3)

Cross-listed as GRT 3305, SOC 3305

See SOC 3305 for course information.

### SWO 3351 Human Behavior and the Social Environment I (3)

Human development across the life course with emphasis on the effects of the social and physical environment on maturation. Special attention given to gender issues, experiences of racial and ethnic minorities, and other special populations.

### SWO 3352 Human Behavior and the Social Environment II (3)

Pre-requisite(s): SWO 2320

The environmental contexts for human behavior with a special emphasis on groups, organizations and communities. Issues of human diversity, social and economic justice, and environments of populations at risk are emphasized.

### SWO 3371 Social Work Practice I: Generalist Practice (3)

Pre-requisite(s): SWO 2321 and credit or concurrent enrollment in 3351, and admission to Social Work program

The Generalist Model of social work practice, including theoretical frameworks, problem-solving method, values and ethics, and practice with special populations. Thirty hours of service learning work required.

### SWO 4301 Social Work Research (3)

Pre-requisite(s): SWO 4305 and credit or concurrent enrollment in SWO 4322 and 4492

The basic purpose, methods and techniques of social research, evaluation of professional social work practice, and social program evaluation.

### SWO 4305 Data Analysis for Social Work (3)

Pre-requisite(s): MTH 1301 or 1320 or 1321 or STA 1380

Apply basic statistical tools to describe, analyze, and evaluate research issues in professional social work practice.

**SWO 4315 Foundations for Social Justice (3)**

Examines theories and practices of social justice as related to oppressed groups in a multicultural society utilizing religious and nonreligious perspectives. Addresses issues of power, inequality, and privilege, and the diverse experiences of oppressed groups in framing strategies to promote social justice.

**SWO 4316 Trauma, Loss, and Mourning (3)**

Pre-requisite(s): Upper-level standing or graduate student  
Specialized knowledge and skills for loss and grief and therapeutic interventions for the bereaved, including bereaved children. Preparation for work with loss of relationship and health across the lifespan. Emphasis on religious faith and grief, and the response of faith communities and religiously affiliated providers to suicide, divorce, loss of parental rights, and other disenfranchised grief.

**SWO 4317 Human Trafficking (3)**

Pre-requisite(s): Upper-level standing or graduate student  
This course is designed to help students gain a better understanding of contemporary human trafficking and modern day slavery. The roles that entities such as government, the media, faith-based organizations, organized crime, and culture play in this complex human rights and social (in)justice issue will also be explored.

**SWO 4322 Social Policy for Social Work Practice (3)**

Pre-requisite(s): SWO 4373  
Credit or concurrent enrollment in SWO 4305 and 4491. Non-majors must have consent of instructor. Historical and current patterns of provision of social welfare services, the effect of social policy on people gaining optimal health and well-being, and the effect of social policy on social work practice.

**SWO 4372 Social Work Practice II: Generalist Practice with Groups (3)**

Pre-requisite(s): SWO 3351 and minimum grade of B in 3371, and credit or concurrent enrollment in SWO 3352 and 4373  
Knowledge and skills appropriate to social work intervention with small treatment and task groups representing different backgrounds, building on the skills learned in SWO 3371 with individuals and families.

**SWO 4373 Social Work Practice III: Generalist Practice with Organizations and Communities (3)**

Pre-requisite(s): SWO 3351 and minimum grade of B in 3371, and credit or concurrent enrollment in SWO 3352 and 4372  
Knowledge, skills and strategies appropriate to work with organizations, neighborhoods, and communities to foster social and economic justice.

**SWO 4393 Sociology of Aging (3)**

Cross-listed as GRT 4393, SOC 4393  
Pre-requisite(s): Upper-level standing  
Impact of aging upon individuals and society, as well as the reactions of individuals and society to aging. Social gerontology is the principal focus of attention of the course.

**SWO 4395 Aging and Mental Health (3)**

Cross-listed as GRT 4395, SOC 4395  
Pre-requisite(s): Upper-level standing  
Mental health needs and related problems of aging individuals with considerable discussion of approved mental health treatments for such persons.

**SWO 4401 Statistics for Social Workers (4)**

Pre-requisite(s): MTH 1301 or 1320 or 1321 or STA 1380  
Apply basic statistical tools to describe, analyze, and evaluate research issues in professional social work practice.

**SWO 4491 Social Work Internship I (4)**

Pre-requisite(s): A minimum grade of B in SWO 4372 and 4373 and admission to field program and consent of Director or Associate Director of Field Education - Generalist Practice  
First semester of Field internship requiring 240 hours of Social Work practice with supervision by a professional social worker within a local setting and a weekly integrative seminar. Requires integration of liberal arts background and social work knowledge, skills, values, and ethics within the structure of the agency, demonstrating beginning competence around each of the program's educational objectives and competencies.

**SWO 4492 Social Work Internship II (4)**

Pre-requisite(s): A minimum grade of B in SWO 4491 and credit or concurrent enrollment in SWO 4301 and SWO 4322  
Second semester of Field internship requiring integration of liberal arts background and Social Work knowledge, skills, values, and ethics through two hundred forty hours of supervised practice in a community agency and a weekly integrative seminar. Student must demonstrate competence around each of the program's educational objectives and competencies.

**SWO 4V70 Special Topics in Social Work (1-3)**

Pre-requisite(s): Consent of instructor  
Course for students who wish to study an area of social work not covered by a formal course. May be repeated for up to a total of six hours credit when the subject matter varies.

**SWO 4V80 Special Topics (1-3)**

Pre-requisite(s): Upper-level standing or graduate student  
Provides instruction in areas of social work knowledge, values, and/or skills that are not available in the standard social work baccalaureate or graduate curricula. Course may be repeated up to six times with different topic of study, not to exceed a maximum of six semester hours.

## Sociology (SOC)

**SOC 1305 Introduction to Sociology (3)**

An introductory survey course including basic concepts in the field of sociology, the relationship of the individual to culture, groups, and major social institutions. Particular attention is given to an examination of contemporary social issues through a sociological lens.

**SOC 1306 Social Problems (3)**

An analysis of current social problems with emphasis on sociological aspects of problems in education, family life, religion, and other social institutions.

**SOC 3305 Introduction to Gerontology (3)**

Cross-listed as GRT 3305, SWO 3305  
An examination of aging in relation to sociology, psychology, biology, law, political science, literature, religion, recreation, and health. Special emphasis is placed on seeking ways to improve the quality of life for persons over thirty-five.

**SOC 3309 Religion and Society (3)**

Historical and contemporary issues concerning the complex relationship of religion and society; and religion's propensity to alternately legitimate the status quo and promote social change.

**SOC 3311 The Sociology of Race and Ethnicity (3)**

Dynamics of race and ethnicity and their interrelationship in society.

**SOC 3318 Mexican-Americans in U.S. Society (3)**

Race relations theories are applied in the analysis of Mexican-American history, education, acculturation economics, identification, politics, and strategies for social change.

**SOC 3322 City and Community (3)**

Relationship of social structure, inequality, and social patterns to human settlement in urban and rural areas.

**SOC 3330 Women in American Society (3)**

Pre-requisite(s): SOC 1305 or 1306 or consent of instructor

An examination of the sociological meaning of women's roles in comparison with men's roles in our society, along with social forces that mold the lives of women. The women's movement and changes in the legal, economic, social, educational, and political arenas as they affect women are investigated. The status of women in the context of contemporary society is explored.

**SOC 3354 Marriage and the Family (3)**

Contemporary family lifestyles are presented from a sociopsychological viewpoint with stress on personal awareness, growth, and satisfaction in interpersonal relations. Topics include dating, mate selection, communication, sexual adjustment, parenting, cohesion and adaptability, and divorce.

**SOC 3355 Introduction to the Economics of Poverty and Discrimination (3)**

Cross-listed as ECO 3355

See ECO 3355 for course information.

**SOC 3360 Juvenile Delinquency (3)**

Pre-requisite(s): SOC 1305 A study of delinquency in a changing society, with emphasis on social causes and methods of control

**SOC 3365 Population Geography (3)**

Pre-requisite(s): Upper-level standing; or consent of instructor

Population patterns, emphasizing fertility, mortality, and migrations in various regions.

**SOC 3372 Population Health (3)**

Analysis and evaluation of socioeconomic status, gender, race, ethnicity, and age as major determinants of individual differences in health and well-being in the United States.

**SOC 3402 Social Statistics (4)**

Cross-listed as ANT 3402

Pre-requisite(s): One course in the formal reasoning distribution list (MTH 1301, MTH 1320, MTH 1321, PHI 1306, or STA 1380) and SOC 1305, ANT 1306, or ANT 1404

An introduction to descriptive and inferential statistics for social science majors. Development of skills in research data analysis.

**SOC 4303 Applied Sociology (3)**

Pre-requisite(s): SOC 1305, 3402 and consent of instructor

Field experience in applied social research: theory construction, population and sample identification, data collection, statistical analysis, and research report presentation.

**SOC 4309 Social Psychology (3)**

Causes and the effects of human interaction. The importance of others in determining one's perception, attitudes, motivation, pattern of communication, and behavior-such as altruism, affiliation, aggression, conformity, and achievement is examined.

**SOC 4310 Death and Dying (3)**

Significant issues in the rapidly growing field of death awareness. Specifically, the interactions between the dying individual, family, friends, and professionals are analyzed in terms of process. Major emphasis is placed on the social aspects of dying and the different settings in which deaths occur.

**SOC 4311 Sociology of Sport (3)**

Cross-listed as HP 4372

See HP 4372 for course information.

**SOC 4315 Sociology of Education (3)**

Structure and functioning of the social organization of the school in light of the goals to be achieved. The interrelationships of education with other institutions will be examined. Consideration will also be given to social psychological processes as they operate in the school setting.

**SOC 4320 Culture, Personality and Identity (3)**

Cross-listed as ANT 4320

See ANT 4320 for course information.

**SOC 4322 Stratification in Society (3)**

Various forms, effects, and origins, of systems of distribution of social resources. Focus on economics, power, status, and identity.

**SOC 4325 Sociology of Religion (3)**

Ways in which religion influences society, culture, and personality and, conversely, how the latter affect religion.

**SOC 4331 Social Demography (3)**

Cross-listed as ENV 4331

Statistical study of human populations, including human population, size, growth, density, and distribution.

**SOC 4335 Sociology of Law (3)**

Pre-requisite(s): Upper-level standing

A sociological examination of the role of law in society with an emphasis on the relationship between law and other social institutions and how our legal system attempts to solve particular social problems.

**SOC 4340 Ethnicity and Aging (3)**

Cross-listed as GRT 4340, SWO 4340

See SWO 4340 for course information.

**SOC 4352 Criminology (3)**

Pre-requisite(s): SOC 1305

Crime, criminals, and the correctional system in America. Emphasis is given to the effects of crime on the social order.

**SOC 4353 Sociology of Medicine (3)**

Pre-requisite(s): Upper-level standing; or consent of instructor

A sociological examination of health, illness, and the social organization of medical care in the United States. Consideration is given to race, class, gender, and age as factors influencing health, illness, and the delivery of medical care.

**SOC 4355 Economics of Poverty and Discrimination (3)**

Cross-listed as ECO 4355

See ECO 4355 for course information.

**SOC 4357 Health Inequalities in America (3)**

Pre-requisite(s): SOC 1305 and upper-level standing, or consent of instructor This course is designed to inform students about the ever-changing distribution of health across race/ethnicity, gender, age, region, and other demographic indicators

**SOC 4360 Social Problems in Modern Society (3)**

Pre-requisite(s): SOC 1305 and upper-level standing or consent of instructor

Sociological perspective on defining "social problems" for the United States, examining their causes and consequences, and possible solutions. Includes case studies of contemporary issues, such as income inequality, violence, health disparities, and climate change.

**SOC 4366 Social Movements (3)**

Contemporary social change as an outcome of the economic, political, and social processes involved in the development of post-industrial society.

**SOC 4381 Methods of Social Research (3)**

Pre-requisite(s): SOC 1305, 3402; and three semester hours of mathematics

Basic methods and techniques used in social research.

**SOC 4391 Social Theory (3)**

Pre-requisite(s): Senior status and SOC 1305, 3402, and 4381, or consent of instructor

Social theory from its origins in philosophy to current efforts at theory construction. Particular schools are critically evaluated, and recent convergences in social anthropology, sociology, and social psychology are noted.

**SOC 4393 Sociology of Aging (3)**

Cross-listed as GRT 4393, SWO 4393

See SWO 4393 for course information.

**SOC 4395 Aging and Mental Health (3)**

Cross-listed as GRT 4395, SWO 4395

See SWO 4395 for course information.

**SOC 43C9 Senior Colloquium (3)**

Pre-requisite(s): SOC 1305, 3402, 4381, 4391 and senior standing  
Culminating course integrating methods, theory, and topical knowledge of sociology. Special emphasis on the application of sociology into post-graduate life.

**SOC 4V70 Special Topics in Sociology (1-3)**

Pre-requisite(s): SOC 1305, upper-level standing, and consent of instructor; SOC majors only

Designed for students who wish to study with a professor in an area of sociology not covered by regular course offerings. Students will contract with professor regarding study and number of semester hours. May be repeated for credit up to a total of six semester hours, provided topic is different. For sociology majors with upper-level standing only.

**SOC 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Spanish (SPA)

**SPA 1101 Spanish Language Workshop (1)**

For music students, supplemental language training to accompany regular 1301 language sections.

**SPA 1102 Spanish Language Workshop (1)**

For music students, supplemental language training to accompany regular 1302 language sections.

**SPA 1301 Elementary Spanish (3)**

Pre-requisite(s): Appropriate score on departmental placement exam or departmental approval

Introduction to SPA language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice proficiency levels

**SPA 1302 Elementary Spanish (3)**

Pre-requisite(s): SPA 1301, appropriate score on departmental placement exam, or departmental approval

Introduction to Spanish language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency

**SPA 1304 Elementary Spanish for Heritage Speakers (3)**

Pre-requisite(s): Appropriate score on departmental placement exam or departmental approval

Intended for students who have prior exposure to Spanish but have not studied the language formally. Improvement of Spanish as used in the academic and professional world and development of historical consciousness about the Hispanic presence in the USA. Practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice or novice mid-level proficiency levels.

**SPA 1412 Accelerated Elementary Spanish (4)**

Pre-requisite(s): Appropriate score on departmental placement exam or departmental approval

An intensive course in first-year college Spanish especially for students with two-three years of high school Spanish. Covers the content of SPA 1301 and 1302 in only one semester. As grammar is reviewed, emphasis is placed on the major skill areas (ACTFL Guidelines): reading, writing, listening, speaking, and cultural awareness.

**SPA 2304 Intermediate Spanish for Heritage Speakers (3)**

Pre-requisite(s): SPA 1304, appropriate score on departmental placement exam, or consent of instructor

Designed for students who have prior exposure to Spanish but may not have studied it formally. Review of grammar, exploration of SPA-speaking cultures, and practice at intermediate-level proficiency to develop speaking and writing skills for professional contexts. May be substituted for SPA 2310 and SPA 2320 and used in fulfillment of the FL req.

**SPA 2310 Intermediate Spanish (3)**

Pre-requisite(s): SPA 1302 or 1412 or appropriate score on departmental placement exam or departmental consent

Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

**SPA 2311 Intermediate Spanish for Teachers (3)**

Pre-requisite(s): SPA 1402 or 1412 or appropriate score on departmental placement exam or departmental consent

Development of communication skills within a school (K-12) context with attention to vocabulary building, grammar review, conversation, composition, and cultural readings. Designed primarily for students in the School of Education, this course may be substituted for SPA 2310 to fulfill the foreign language requirement in Arts and Sciences.

**SPA 2320 Exploring the Spanish-Speaking World (3)**

Pre-requisite(s): SPA 2310, or 2311, or appropriate score on departmental placement exam or departmental consent

An exploration of the cultures of the Spanish-speaking world with continued practice in listening, speaking, reading, and writing Spanish at the intermediate level. Class conducted in Spanish, with emphasis on developing conversational skills. Topics vary by section but may include Pop Culture, Music, Film, Literature, Art, Social Media, Journalism of the Spanish-speaking world.



**SPA 2321 Intermediate Spanish for Health Professions (3)**

Pre-requisite(s): SPA 2310, 2311, or 2312 or appropriate score on departmental placement exam or departmental consent  
Development of intermediate level skills in comprehension, speaking, reading, writing, and cultural interpretation with an emphasis on medical and scientific issues for prospective medical and health-care professionals. May be substituted for SPA 2320. Must be taken in residence at Baylor in order to count toward the Certificate in Spanish for Health Professions.

**SPA 2322 Spanish for Christian Ministry (3)**

Pre-requisite(s): SPA 2310, 2311, or 2312 or appropriate score on departmental placement examination or departmental approval  
Development of vocabulary, grammar, composition, and conversation skills in Spanish for students interested in Christian ministry, using the Bible and related religious materials. May be substituted for SPA 2320.

**SPA 2324 Spanish for Business (3)**

Pre-requisite(s): SPA 2304 or 2310; or appropriate score on departmental placement exam; or departmental approval  
Development of communication skills at the intermediate and low-advanced proficiency levels for reading, writing, speaking and listening. Focus on using Spanish in Business contexts and examines the business cultures of the Spanish-speaking world.

**SPA 2412 Accelerated Intermediate Spanish (4)**

Pre-requisite(s): SPA 1412 or placement into SPA 2310 or 2320 and departmental approval  
Intensive intermediate Spanish course geared toward strong language learners. Content of Spanish 2310 and 2320 in one semester. Continued development of Spanish language skills, including listening, speaking, reading and writing. Emphasis on cultural and literary readings. May be substituted for SPA 2310 and SPA 2320 and used in fulfillment of the foreign language requirement.

**SPA 3001 Spanish for Health Professions Certificate Project (0)**

Pre-requisite(s): SPA 2321 and 3302  
An individually driven project to be carried out in tandem with a Spanish course at the 3000 or 4000 level. Subject matter must be health-related and the project must be completed in Spanish. Approval of the Director of the Certificate in Spanish for Health Professions required.

**SPA 3302 Conversation and Composition (3)**

Pre-requisite(s): SPA 2304, 2320, 2321, 2322, 2324 or 2412; or appropriate score on departmental placement exam; or consent of division director  
A bridge course between second-year SPA and more advanced courses in major/minor; development of oral and written proficiency in Spanish

**SPA 3304 Advanced Spanish for Heritage Speakers (3)**

Pre-requisite(s): SPA 2304, appropriate score on departmental placement exam, or consent of instructor  
Designed for students who have prior exposure to Spanish but may not have studied it formally. Readings and discussion about Spanish-speaking communities worldwide and practice at advanced-level proficiency to develop speaking and writing skills for professional contexts. May be substituted for SPA 3302.

**SPA 3305 Introduction to Hispanic Literature (3)**

Pre-requisite(s): SPA 2304, 2320, 2321, 2322, 2324, 2412, or 3302  
Readings of representative authors and genres (poetry, prose fiction, drama, and essay) from around the Spanish-speaking world. Includes an introduction to literary research in Spanish.

**SPA 3309 Introduction to Spanish Linguistics (3)**

Pre-requisite(s): SPA 2320, 2321, 2322, 2324, or 3302; or appropriate score on departmental placement exam; or departmental approval  
An introduction to the study of language and linguistics in general and of the sounds, structure, and meaning of Spanish in particular.

**SPA 3310 Spanish Civilization (3)**

Pre-requisite(s): SPA 2320, 2321, 2322, or 3302 or consent of division director  
Study of Spanish history and culture.

**SPA 3311 Spanish-American Civilization (3)**

Pre-requisite(s): SPA 2320, 2321, 2322, or 3302 or consent of division director  
Study of Spanish-American history and culture.

**SPA 3350 Survey of Spanish Literature through the Seventeenth Century (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
Study of literary selections from the Middle Ages through the seventeenth century; readings, lectures, and reports.

**SPA 3352 Survey of Spanish Literature from the Eighteenth Century (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
Study of literary selections from the eighteenth century to the present time; readings, lectures, and reports.

**SPA 3354 Survey of Latin American Literature to 1880 (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
Study of literary selections from the Spanish conquest to 1880; readings, lectures, and reports.

**SPA 3356 Survey of Latin American Literature from 1880 to Present (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
Study of literary selections from 1880 to the present; readings, lectures, and reports.

**SPA 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**SPA 4303 Spanish Phonology and Morphophonology (3)**

Pre-requisite(s): SPA 3309  
The sounds of Spanish and the formation of its words, and the relationship between these two, morphophonology. It includes pronunciation and transcription of Spanish.

**SPA 4304 Spanish Syntax (3)**

Pre-requisite(s): SPA 3309  
Spanish word order and sentence formation, phrasal structures and constructions that are different from English.

**SPA 4305 Spanish Semantics and Pragmatics (3)**

Pre-requisite(s): SPA 3309  
The study of the meaning of words, sentences, and discourse and elements of conversation including context, usage and appropriateness.

**SPA 4315 Methods of Foreign Language Teaching (3)**

Cross-listed as FRE 4315, GER 4315  
Theoretical and historical bases with practical applications in communication methodology. Introduction to professional activities and materials. Although this course cannot be counted toward the first or second teaching field, it will be counted toward a major in Spanish.



**SPA 4321 Advanced Spanish for Health Professions (3)**

Pre-requisite(s): SPA 2321, 3302 and consent of instructor  
 In-depth experience with Spanish in medical contexts, including a community service-learning component, with emphasis on oral and aural proficiency. Must be taken in residence at Baylor in order to count toward the Certificate in Spanish for Health Professions.

**SPA 4330 Advanced Grammar, Composition and Conversation (3)**

Pre-requisite(s): SPA 3302; and consent of instructor  
 A review of grammar applied to the writing of compositions and conversational practice. Emphasis on writing style, practical and cultural topics, dialogues, and interviews.

**SPA 4340 Professional and Literary Translation (3)**

Pre-requisite(s): SPA 4330 or equivalent or consent of instructor  
 The theory and practice of translation, including poetry, short stories, and technical documents.

**SPA 4362 Spanish Drama of the Golden Age (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
 Representative playwrights of seventeenth-century Spain; extensive study of selected works. Lectures, reports, class discussion, and term papers.

**SPA 4363 Cervantes (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
 Study of the major works of Cervantes with emphasis on Don Quixote, the cultural milieu of sixteenth and seventeenth century Spain, and the views of present-day literary critics. Lectures, class discussions, oral reports, and term papers.

**SPA 4364 Nineteenth Century Spanish Literature (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
 Representative plays, poems, essays, and novels from nineteenth century Spanish literature, emphasizing in-depth analysis of texts.

**SPA 4366 Twentieth Century Spanish Literature (3)**

Pre-requisite(s): SPA 3305  
 Study of representative poets, playwrights, and novelists of this century. Lectures, student reports, class discussions, and term papers.

**SPA 4372 Latin American Short Story (3)**

Pre-requisite(s): SPA 3305  
 An in-depth study of outstanding eighteenth, nineteenth and twentieth century Latin American short stories in light of current practice and trends in literary analysis.

**SPA 4375 Contemporary Spanish American Theater (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
 Major trends of Spanish American theater as reflected in the works of major contemporary playwrights. Readings, lectures, and reports.

**SPA 4376 The Spanish-American Novel (3)**

Pre-requisite(s): SPA 3305 or consent of division director  
 A study of the origins and development of the Spanish-American novel (from 1816 to 1915). A study of the main literary movements as reflected or found in the novel, in an approved paper or project.

**SPA 4378 Latin American Poetry (3)**

Pre-requisite(s): SPA 3305  
 An overview of poetic trends in Latin American literature from pre-Hispanic times to the twentieth century.

**SPA 4388 Topics in Hispanic Language and Literature (3)**

Pre-requisite(s): SPA 3305; or consent of division director  
 A study of an author, work, period, genre, or current Hispanic literature or of an aspect of the Spanish language. Topic changes from semester to semester. May be repeated for credit if topic is different.

**SPA 4V90 Special Problems (1-3)**

Pre-requisite(s): Consent of division director  
 Independent study in Spanish language and literature in consultation with a professor. Examination and term paper. With content changed, this course may be repeated once for credit.

**SPA 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
 Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Statistics (STA)

**STA 1301 Statistical Reasoning: A Guide to the Unknown (3)**

Pre-requisite(s): Freshman standing and consent of statistics undergraduate faculty advisor  
 Philosophical, ethical, and sociological issues related to statistical uncertainty and randomness.

**STA 1380 Elementary Statistics (3)**

Introduction to traditional statistical concepts including descriptive statistics, binomial and normal probability models, tests of hypotheses, linear correlation and regression, two-way contingency tables, and one-way analysis of variance. Credit may not be obtained after receiving credit in STA 2381 or 3381.

**STA 1V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
 Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**STA 2300 Introduction to Data Science (3)**

Cross-listed as CSI 2300  
 Principles of data science, including problem workflow, variable types, visualization, modeling, programming, data management and cleaning, reproducibility, and big data.

**STA 2381 Introductory Statistical Methods (3)**

Pre-requisite(s): A grade of C or above in MTH 1321  
 Parametric statistical methods. Topics range from descriptive statistics through regression and one-way analysis of variance. Applications are typically from biology and medicine. Computer data analysis is required.

**STA 2450 Introduction to Computing for the Mathematical and Statistical Sciences (4)**

Computer programming for mathematical scientists with emphasis on designing algorithms, problem solving, and coding practices. Topics include development of programs from specifications; appropriate use of data types; functions; modular program organization; documentation and style; and version control and collaborative programming.

**STA 2V9R Research (3)**

Pre-requisite(s): Consent of the instructor  
 Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**STA 3375 Technologies for Sports Analytics (3)**

Pre-requisite(s): STA 2300 and STA 2450  
 Concepts in big data analytics primarily applied to topics in sports focusing on graphical methods through dashboards and inferential methods.

**STA 3381 Probability and Statistics (3)**

Pre-requisite(s): A grade of C or above in MTH 1322

Introduction to the fundamentals of probability, random variables, discrete and continuous probability distributions, expectations, sampling distributions, topics of statistical inference such as confidence intervals, tests of hypotheses, and regression.

**STA 3386 Regression Analysis (3)**

Pre-requisite(s): MTH 2311, MTH 2321, and STA 3381 A development of regression techniques including simple linear regression, multiple regression, logistic regression and Poisson regression with emphasis on model assumptions, parameter estimation, variable selection and diagnostics

**STA 3V90 Undergraduate Research in Statistics (1-3)**

Pre-requisite(s): Consent of instructor

Independent study or research in topics not available in other courses. Maximum of four hours will count toward the degree.

**STA 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**STA 4330 SAS Programming for Statistical Science (3)**

Pre-requisite(s): STA 2381 or 3381

Concepts in SAS programming including methods to establish and transform SAS data sets, perform statistical analyses, and create general customized reports. Methods from both BASE SAS and SAS SQL will be considered.

**STA 4350 Statistical Machine Learning (3)**

Pre-requisite(s): STA 3386 Fundamental topics of machine learning including supervised/unsupervised learning, cost function optimization, feature selection and engineering, and bias/variance tradeoff Learning algorithms including classification methods, support vector machines, decision trees, neural networks, and deep learning are included.

**STA 4360 Bayesian Data Analysis (3)**

Pre-requisite(s): STA 4385 An introduction to Bayesian inference emphasizing prior and posterior distributions, estimation, prediction, hierarchical Bayesian analysis, and applications with computer implemented data analysis

**STA 4362 Applied Time Series Analysis (3)**

Pre-requisite(s): STA 3386

Statistical methods of analyzing time series. Model identification, estimation, forecasting, and spectral analysis will be discussed. Applications in a variety of areas including economics and environmental science will be considered.

**STA 4370 Sampling Techniques (3)**

Pre-requisite(s): Three hours of statistical methods

Planning, execution, and analysis of sampling from finite populations. Simple random, stratified random, ratio, systematic, cluster, sub sampling, regression estimates, and multi-frame techniques are covered.

**STA 4371 Data Management and Mining (3)**

Pre-requisite(s): STA 3381

Terminology, techniques, and management of Data Mining for biostatisticians.

**STA 4372 Introduction to Biostatistics (3)**

Pre-requisite(s): STA 2381 or STA 3381 or consent of the instructor

Data Analysis for biostatisticians in the biomedical and pharmaceutical fields.

**STA 4373 Computational Methods in Statistics (3)**

Pre-requisite(s): STA 2381 or STA 3381 or consent of the instructor Computational methods using statistical packages and programming.

**STA 4374 Statistical Process Control (3)**

Pre-requisite(s): STA 3381 or equivalent

Development of statistical concepts and theory underlying procedures used in statistical process control applications and reliability.

**STA 4382 Intermediate Statistical Methods (3)**

Pre-requisite(s): A minimum grade of C in either STA 2381 or STA 3381; or consent of instructor

Development and application of two-sample inferences, analysis of variance, multiple comparison procedures, and nonparametric methods.

**STA 4384 Applied Multivariate Methods (3)**

Pre-requisite(s): STA 3386

Numerical and graphical descriptive statistics for multivariate data, principal components and factor analysis, canonical correlation, discriminant analysis, multivariate analysis of variance, multidimensional contingency tables, and cluster analysis.

**STA 4385 Mathematical Statistics I (3)**

Pre-requisite(s): MTH 2321 with minimum grade of C

Introductions to the fundamentals of probability theory, random variables and their distributions, expectations, transformations of random variables, moment generating functions, special discrete and continuous distributions, multivariate distributions, order statistics, and sampling distributions.

**STA 4386 Mathematical Statistics II (3)**

Pre-requisite(s): STA 4385 with minimum grade of C

Theory of statistical estimation and hypothesis testing. Topics include point and interval estimation, properties of estimators, properties of test of hypotheses including most powerful and likelihood ratios tests, and decision theory including Bayes and minimax criteria.

**STA 4387 Introduction to Probability Models (3)**

Pre-requisite(s): STA 4385 with minimum grade of C

Applications of probability theory to the study of phenomena in such fields as engineering, management science, social and physical sciences, and operations research. Topics include Markov chains, branching processes, Poisson processes, exponential models, and continuous-time Markov chains with applications to queuing systems. Other topics introduced are renewal theory and estimation procedures.

**STA 43C8 Capstone in Sports Analytics (3)**

Pre-requisite(s): Senior standing and consent of the instructor

Applying statistics data science methodology to research problems in sports analytics.

**STA 43C9 Capstone Statistics Course (3)**

Pre-requisite(s): Approval of the statistics undergraduate faculty advisor Statistical concepts applied to written and oral reports for consulting. For students majoring in statistics.

**STA 4V90 Special Topics in Statistics (1-3)**

Pre-requisite(s): STA 2381 or STA 3381

Topics in probability and/or statistics not covered in other courses. May be repeated for a maximum of 6 hours if the content is different.

**STA 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

## Strategic Learning (STL)

### STL 1101 Academic and Personal Success (1)

This course guides students to develop tools for effective learning and productive self-management in the Baylor academic environment. Topics focus on strategies for note taking, test preparation, test taking, and on methods for dealing with procrastination, stress, and test anxiety as well as for grade improvement, establishing academic priorities, and identification of an academic major and potential career. Some sections of the course offer five-week workshops while other sections provide the opportunity for weekly mentoring by a trained graduate student or for an independent study on a relevant topic. Sections will have varying titles descriptive of content. This Pass/Fail course may be attempted two times.

### STL 1102 Academic and Personal Achievement (1)

A graded, one-hour course facilitating development of essential skills for learning and self-management in the college academic environment. Topics might include strategies for note taking, test preparation, grade improvement as well as tools for dealing with procrastination, stress, test anxiety, and goal-setting. The focus of a course section might be linked with a particular profession, discipline or student population.

### STL 1103 College Success: Freshmen (1)

Designed to enhance the transition of freshmen students to Baylor University. Provides direct exposure to specific campus support services, personal and professional development advice and practice, academic success strategies, and day-to-day tools to navigate the rigorous curricular and co-curricular environment at Baylor.

### STL 1104 Transferring Your Success (1)

Designed to enhance the transition of transfer students to Baylor and beyond. Provides direct exposure to specific campus support services, personal and professional development advice and practice, academic success strategies, and day-to-day tools to navigate the rigorous curricular and co-curricular environment at Baylor. Will be offered as a New Student Experience (NSE) course.

### STL 1105 Individual Academic and Personal Success for International Students (1)

Pre-requisite(s): Open only to international students who have been referred through ASP or by requirement of the student's academic dean. STL 1105 is a 1-credit-hour course that helps first-year international students develop tools for effective learning and productive self-management in the Baylor academic environment. Topics focus on strategies for notetaking, study skills, and test preparation, along with methods for dealing with time management, stress, test taking and anxiety. Students will meet with an instructor for individualized academic success planning and strategizing.

### STL 1200 Strategic Learning for College Academics (2)

Pre-requisite(s): Open only to students with 59 hours or less or by requirement of the student's academic dean (Course is intended for students with a term or cumulative GPA of 2.5 or less.) Prepare students to exercise responsibility for their own learning by developing strategies for reading, understanding, analyzing, organizing, and applying information presented through lecture, textbooks, and other materials in the college classroom. Skills for taking notes, completing assignments, preparing for tests, and taking tests as well as strategies for accessing resources, managing time, dealing with stress, and setting priorities will also be developed.

### STL 1201 Strategic Learning (2)

Prepare students to exercise responsibility for their own learning by developing strategies for reading, analyzing, organizing, and applying information presented through lecture, textbooks, and other materials in the college classroom. Skills for taking notes, completing assignments, preparing for and taking tests, as well as strategies for accessing resources, managing time, dealing with stress, and setting priorities will be developed.

### STL 1205 Academic Success Strategies for International Students (2)

Pre-requisite(s): Open only to international students who have been referred through ASP or by requirement of the student's academic dean. STL 1205 is a 2-credit-hour course that prepares continuing international students to take responsibility for their own learning by developing strategies for reading, understanding, analyzing, organizing, and applying information presented in the college classroom. Students will also develop skills for taking notes, completing assignments, and preparing for tests. In addition, they will learn strategies for using resources, managing time, dealing.

## Swahili (SWA)

### SWA 1101 Swahili Language Workshop (1)

For music students, supplemental language training to accompany regular 1301 language sections.

### SWA 1102 Swahili Language Workshop (1)

For music students, supplemental language training to accompany regular 1302 language sections.

### SWA 1301 Elementary Swahili (3)

Introduction to Swahili language and cultures of East/Central Africa; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice proficiency level.

### SWA 1302 Elementary Swahili (3)

Pre-requisite(s): SWA 1301. Introduction to Swahili language and cultures of East/Central Africa; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress from novice toward intermediate-level proficiency.

### SWA 2310 Intermediate Swahili I (3)

Pre-requisite(s): SWA 1302. Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading).

### SWA 2320 Intermediate Swahili II (3)

Pre-requisite(s): SWA 2310. Continuation of SWA 2310.

## Syriac (SYR)

### SYR 4304 Syriac (3)

Cross-listed as REL 4304. See REL 4304 for course information.

## Teacher Education (TED)

### **TED 1112 Instructional Technology Lab (1)**

Co-requisite(s): TED 1312

The TED technology lab prepares teacher candidates for effective personal and classroom use of technology resources. Students will meet and exceed Texas State Board for Educator Certification (SBEC) requirements.

### **TED 1312 Introduction to Teaching I (3)**

Co-requisite(s):

This course provides preparation in the role of a teacher. Students will learn teaching strategies that are then applied in a tutoring experience.

### **TED 2112 Instructional Technology Lab II (1)**

Pre-requisite(s): TED 1112

The TED 2112 technology lab extends and builds on TED 1112 in preparing teacher candidates for effective personal and professional use of technology resources. At the conclusion of the Baylor teacher education program, candidates will meet and exceed Texas State Board for Educator Certification (SBEC) requirements as outlined in the Technology Applications Standards for All Beginning Teachers.

### **TED 2320 Teaching in the Elementary School (3)**

Co-requisite(s):

Pre-requisite(s): Completion of TED 1312 or concurrent enrollment

An introduction to the role of the teacher in the elementary school. A field experience is included.

### **TED 2330 Teaching in the Middle Grades (3)**

Co-requisite(s):

Pre-requisite(s): Completion of TED 1312 or concurrent enrollment

An introduction to the role of the teacher in the middle school. A field experience is included.

### **TED 2340 Teaching in Secondary Schools (3)**

Co-requisite(s):

Pre-requisite(s): Completion of TED 1312 or concurrent enrollment

An introduction to the role of the teacher in the secondary school. A field experience is included.

### **TED 2360 Teaching Special Education (3)**

Pre-requisite(s): TED 1312

This course provides initial preparation in the role of a special education teacher. Students will learn teaching strategies for students with disabilities that are then applied in a one-to-one teaching experience.

### **TED 2370 Teaching Physical Education (3)**

Co-requisite(s): TED 2112

Pre-requisite(s): Completion of TED 1312 or concurrent enrollment

This course provides teacher candidates with an introduction to the role of the all-level physical education instructor. Course includes a field experience in grades K - eight.

### **TED 2380 Introduction to Education (3)**

This course will provide an introduction to the field of education from an interdisciplinary perspective that addresses such topics as curriculum, educational theory/practice, and the role of the teaching profession in democratic life.

### **TED 2381 American Educational Thought (3)**

This course will address the history of American educational thought from the founding of the Republic to the present day. Individuals to be considered will include Thomas Jefferson, Horace Mann, William James, and John Dewey.

### **TED 3180 Social Issues in Education Lab (1)**

Co-requisite(s): TED 3380

Varied action-oriented field experiences that allow students to develop a depth of knowledge and experience in the topics explored in TED 3380. Through field based experiences in local organizations and schools, students will have the opportunity to examine how social issues play out in real-life settings.

### **TED 3301 Early Literacy Learning (3)**

Pre-requisite(s): TED 1312 Preparation of pre-service teachers to plan, organize, and implement an early literacy program that ensures that young children will be reading beginning materials independently by the end of the first grade

Course includes a field experience.

### **TED 3325 Literacy Instruction in the Elementary School (3)**

Co-requisite(s): TED 3620, TED 4308

Pre-requisite(s): TED 1312

An examination of methods of teaching reading in the elementary school. Includes atypical and typical language and literacy development in children in the elementary school.

### **TED 3335 Literacy Instruction in the Middle Grades (3)**

Co-requisite(s): TED 3370

Pre-requisite(s): TED 3380 and 3180 and EDP 3326

Introductions to typical and atypical literacy instruction in middle grades and an overview of cognitive, emotional, social, and physical development of adolescents. Includes reading, writing, oral language, and an introduction to literature for adolescents.

### **TED 3336 Middle Grades Science (3)**

Co-requisite(s): TED 3370

Pre-requisite(s): TED 3380 and 3180 and EDP 3326

This course will prepare candidates to plan and implement inquiry-based science instruction to meet the needs of diverse learners and increase their pedagogical repertoires.

### **TED 3340 Teaching Associate Secondary Part I (3)**

Pre-requisite(s): TED 2340 or concurrent enrollment

Practicum of one hundred hours in a local secondary classroom matching the selected content certification area. Course includes weekly seminars.

### **TED 3341 Teaching Associate Secondary Part II (3)**

Pre-requisite(s): TED 2340

Continuation of Teaching Associate Secondary Part I. Practicum of one hundred hours in a local secondary classroom matching the selected content certification area. Course includes weekly seminars.

### **TED 3342 School and Classroom Environment (3)**

Prepare the secondary education teacher candidate with research-based instructional and classroom management strategies. Provide opportunities for application of the strategies with students and opportunities for interaction with teachers at local secondary schools.

### **TED 3346 Foundations of Secondary Reading and Writing (3)**

A study of the typical and atypical developmental stages of reading and writing for secondary students. Focuses on instructional strategies in reading and writing to meet the needs of all students. Course includes a field experience.



**TED 3362 Middle Grades Social Studies (3)**

Co-requisite(s): TED 3370

Pre-requisite(s): TED 3380 and 3180 and EDP 3326

This course will expose middle school social studies candidates to the philosophies, methods and culturally relevant practices that nuance the field's expressed disciplinary aims. Candidates will be asked to rethink traditional social studies instruction and develop transformational postures that will increase and diversify their pedagogical repertoires. Concurrent enrollment in TED 3370 required.

**TED 3370 Data Analysis and Instruction (3)**

Co-requisite(s): TED 3180 and EDP 3326

An analysis of standardized assessments given at national, state, district, campus, and individual student levels. Planning and implementing instructional activities based on areas of need identified in the analysis. Field experiences are a critical element of the course.

**TED 3380 Social Issues in Education (3)**

Co-requisite(s): TED 3180

This course will explore cultural and social issues that influence education. Concurrent enrollment in one hour field-based lab required.

**TED 3383 Secondary Mathematics Practicum I (3)**

Co-requisite(s): TED 3342

This course prepares teacher candidates to adapt instruction in mathematics for meeting the needs of diverse students, strategy implementation for large and small groups, application of state and national standards, and development of instructional resources.

**TED 3384 Secondary Mathematics Practicum II (3)**

Co-requisite(s):

Pre-requisite(s): TED 2330 or TED 2340

Continuation of Secondary Mathematics Practicum I. Course combines a practicum in a local secondary mathematics classroom with lecture and discussion about adapting instruction to meet the needs of diverse students, strategies for large and small groups, NCTM Standards, and teaching resources.

**TED 3385 Secondary Social Studies Practicum I (3)**

Co-requisite(s): TED 3342

This course prepares teacher candidates to adapt instruction in social studies for meeting the needs of diverse students, strategy implementation for large and small groups, application of state and national standards, and development of instructional resources.

**TED 3386 Secondary Social Studies Practicum II (3)**

Co-requisite(s):

Continuation of Secondary Social Studies Practicum I. Course combines a practicum in a local school with in-depth discussion of instructional design, technology in the classroom, and assessment. The course also includes overview of content included in secondary history, geography, economics and civics education courses.

**TED 3387 Secondary Science Practicum I (3)**

Co-requisite(s): TED 3342

This course prepares teacher candidates to adapt instruction in science for meeting the needs of diverse students, strategy implementation for large and small groups, application of state and national standards, and development of instructional resources.

**TED 3388 Secondary Science Practicum II (3)**

Co-requisite(s): TED 3341

Pre-requisite(s): TED 3340 and 3387

Course combines a practicum in a local school with in-depth discussion of instructional design, technology in the classroom, and assessment. The course also includes an overview of content of secondary science courses.

**TED 3390 Secondary Foreign Language Practicum I (3)**

Co-requisite(s): TED 3342

This course prepares teacher candidates to adapt instruction in foreign language for meeting the needs of diverse students, strategy implementation for large and small groups, application of state and national standards, and development of instructional resources.

**TED 3391 Secondary Foreign Language Practicum II (3)**

Co-requisite(s): TED 3341

Course combines a practicum in a local school with lecture and in-depth discussion of instructional design, technology in the classroom, and assessment and action research in the classroom.

**TED 3394 Secondary Art Practicum I (3)**

Co-requisite(s): TED 3340

Course combines a practicum in a local school with lecture and in-depth discussion of instructional design, components of a secondary art program, technology in the art classroom, assessment and action research in the classroom.

**TED 3395 Secondary Art Practicum II (3)**

Co-requisite(s): TED 3341

Pre-requisite(s): TED 3340 and 3394

Continuation of Secondary Art Practicum I. Course combines a practicum in a local school with in-depth discussion of components of the art program, instructional design in art, technology in the classroom, and assessment in art classes.

**TED 3396 Secondary English Language Arts Practicum I (3)**

Co-requisite(s): TED 3342

This course prepares teacher candidates to adapt instruction in English/Language Arts for meeting the needs of diverse students, strategy implementation for large and small groups, application of state and national standards, and development of instructional resources.

**TED 3397 Secondary English Language Arts Practicum II (3)**

Co-requisite(s): TED 3341

Pre-requisite(s): TED 3340 and 3396

Continuation of Secondary English Language Arts Practicum I. Course combines practicum in a local secondary English classroom with lecture and discussion about adapting instruction in English to meet the needs of diverse students, strategies for building vocabulary, developing written and oral language, and an overview of the history of English.

**TED 3398 Secondary Business Practicum I (3)**

Co-requisite(s): TED 3342

This course prepares teacher candidates to adapt instruction in business courses for meeting the needs of diverse students, strategy implementation for large and small groups, application of state and national standards, and development of instructional resources.



**TED 3399 Secondary Business Practicum II (3)**

Co-requisite(s): TED 3341

Pre-requisite(s): TED 3340 and 3398

A continuation of TED 3398 Secondary Business Practicum I. Course combines a practicum in a local school with lecture and in-depth discussion of the economic system, components of a secondary business program, technology in the classroom, leadership and career development, assessment of student learning, and action research in the business classroom.

**TED 3620 Teaching Associate Elementary School Part I (6)**

Co-requisite(s): TED 3325, TED 4308

Pre-requisite(s): TED 1312

Practicum of one hundred hours in the elementary school in a local classroom. Teacher candidates will work with small and large groups in instruction in reading and social studies. Course includes daily seminars.

**TED 3621 Teaching Associate Elementary School Part II (6)**

Co-requisite(s): TED 4307, TED 4326

Pre-requisite(s): TED 1312

Practicum of one hundred hours in the elementary school in a local classroom. Teacher candidates will work with small and large groups in instruction in mathematics and science. Course includes daily seminars.

**TED 3630 Teaching Associate Middle Grades Part I (6)**

Co-requisite(s):

Pre-requisite(s): TED 3370

Practicum of one hundred hours in a local middle grade classroom matching the selected content certification area. Teacher candidates will work with small and large groups of students. Course includes a weekly seminar.

**TED 3631 Teaching Associate Middle Grades Part II (6)**

Pre-requisite(s): TED 2330 or 2340

Continuation of TED 3630. Practicum of one hundred hours in a local middle grade classroom matching the selected content certification areas. Teacher candidates will work with small and large groups of students. Course includes a weekly seminar.

**TED 3640 Tchng Assoc Secondary Part I (6)**

Pre-requisite(s): TED 2340

Practicum of one hundred hours in a local secondary classroom matching the selected content certification area. Course includes weekly seminars.

**TED 3641 Teaching Associate Secondary (6)**

Pre-requisite(s): TED 3380

Practicum of 100 hours in a local secondary classroom matching the selected content certification area. Course includes weekly seminars.

**TED 3651 Teaching Associate EC-6 with Special Education and Gifted Education (6)**

Pre-requisite(s): EDP 2350 and 3650; and EDP 3324 and 3326

In this course, teacher candidates teach small groups of early childhood through grade 6 general education with special education or gifted education students within the specific disciplinary areas that match their certificate areas. The practicum consists of 97.5 hours in a professional development or partner school (7.5 hours per week). Teacher candidates will work with small and large groups of students. Course includes seminars.

**TED 3670 Teaching Associate Physical Education Part I (6)**

Pre-requisite(s): TED 2370

Practicum of one hundred hours teaching physical education in a local school. Teacher candidates will work with small and large groups of students. Course includes a weekly seminar.

**TED 3671 Teaching Associate Physical Education Part II (6)**

Continuation of TED 3670. Practicum of one hundred hours teaching physical education in a local school. Teacher candidates will work with small and large groups of students. Course includes a weekly seminar.

**TED 4302 Elementary Reading - Integrated Language Arts (3)**

Pre-requisite(s): TED 1312 Language Arts is comprised of all communication skills-reading, writing, listening, speaking

Students will develop strategies for facilitating communication skills and integrating the language arts across the curriculum.

**TED 4303 Comprehension of Expository Texts (3)**

Co-requisite(s):

Pre-requisite(s): TED 1312 and TED 3301

Preservice teachers will develop understanding of pedagogies that help elementary students develop proficiency in comprehending expository texts.

**TED 4307 Science in the Elementary School (3)**

Co-requisite(s): TED 3621, TED 4326

Pre-requisite(s): TED 1312

A study of the content of elementary science. Design and presentation of laboratory activities appropriate to various grade levels.

**TED 4308 Social Studies in the Elementary School (3)**

Co-requisite(s): TED 3325, TED 3620

Pre-requisite(s): TED 1312

The types, classification, and organization of social studies content. Emphasis on the integration of the historical, geographical, and civic content of the social studies.

**TED 4312 Methods of Teaching English as a Second Language (3)**

Strategies for teaching English to non-English speaking students at the elementary and secondary levels. Emphasis will be placed upon developing specific instructional approaches appropriate for the individual's language background.

**TED 4322 English Curriculum (3)**

Pre-requisite(s): TED 3630 or 3641

Instructional methods and teaching aids and materials for the teaching of English in middle and secondary grades. Contemporary concerns relevant to the curriculum development of the English language arts in the components of language, composition, and literature will be stressed.

**TED 4325 Science Curriculum (3)**

Pre-requisite(s): TED 3630 or 3641

A survey of contemporary school science programs (all sciences) emphasizing their philosophies, designs, and unique methods and strategies for teaching in middle and secondary grades.

**TED 4326 Mathematics in the Elementary Grades (3)**

Co-requisite(s): TED 3621, TED 4307

Pre-requisite(s): TED 1312

Mathematics content, materials, and conceptual activities for the elementary school. The emphasis of the course is to prepare the elementary school teacher to implement a constructivist approach to the teaching of mathematics based on an understanding of the National Council of Teachers of Mathematics (NCTM) standards. Includes laboratory experiences in teaching mathematics in the elementary school.

**TED 4336 Mathematics in the Upper Elementary Grades (3)**

Co-requisite(s): TED 3370

Pre-requisite(s): TED 3380 and 3180 and EDP 3326 and Admission to the Teacher Education Program

The student will be exposed to a wide range of issues and theories in mathematics curriculum and encouraged to relate these to his or her own teaching practices. Opportunities for teaching and observation of teaching will be provided in order to analyze and reflect on teaching practices appropriate for upper elementary grade mathematics.

**TED 4337 Mathematics in the Middle School (3)**

Pre-requisite(s): TED 4336

Teaching strategies will be analyzed with developmental activities that can be used in middle grades mathematics. Candidates will reflect on what it means to teach mathematics for conceptual understanding and explore the factors that influence instruction. The NCTM Standards for grades 4-8 will be emphasized. Includes laboratory experiences in teaching mathematics in middle grades.

**TED 4341 Social Studies Curriculum (3)**

Pre-requisite(s): TED 3630 or 3640

Organization, content, research practices, and technology in the social studies curriculum in middle and secondary grades. Includes a discussion of current issues and standards in social studies teaching.

**TED 4348 Secondary Mathematics Curriculum (3)**

Methods and activities used to actively engage secondary school students in the construction of mathematical concepts. This course includes development of instructional methods, teaching aids, and materials for the teaching of mathematics in the secondary classroom. Contemporary concerns relevant to the development in mathematics curriculum is included.

**TED 4349 Critical Issues in Mathematics Education (3)**

Teacher candidates will investigate critical issues in the nature of knowledge and inquiry in middle grade and secondary school mathematics. Candidates will explore current issues related to teaching practices and experiences. The NCTM Standards along with relevant research will provide a foundation.

**TED 4355 Teaching Economic Geography in Social Studies (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

The focus of this course is to provide EC-4, 4-8, and 7-12 certificate level teacher education students an in-depth exploration of the curriculum and pedagogy of geography education in the social studies with special attention to the intersections of economics and geography. This emphasis guides the course themes which attend to critical geographic and economic approaches to understanding the world and taking informed action to change it.

**TED 4397 Student Teaching in Private Schools (3)**

Pre-requisite(s): Concurrent enrollment in TED 4620, TED 4630, TED 4640, EDP 4650, EDP 4660 or TED 4670

A course designed to extend student teaching to a private school. Students will be involved in full-time student teaching for a minimum of four weeks.

**TED 4399 International Internship Comparative Education (3)**

Pre-requisite(s): TED 3340, TED 3620, TED 3630, TED 3670, EDP 3650, or EDP 3660

This program is designed to extend the teaching experience. For teaching candidates in the School of Education at Baylor University. Teacher candidates will engage in cultural exchange, travel and education programs including three weeks of teaching and a comparative study of educational systems and instructional strategies.

**TED 4620 Internship Elementary Part I (6)**

Co-requisite(s): TED 4621

Pre-requisite(s): Grade of B or better in TED 3620 and 3621

Full-time teaching experience in a professional development school. A mentor teacher and resident faculty will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes two eighty-minute seminars per week.

**TED 4621 Internship Elementary Part II (6)**

Co-requisite(s): TED 4620

Pre-requisite(s): Grade of B or better in TED 3620 and 3621

Planning and preparing lessons and materials for full-time teaching. Includes completion of content modules, conferencing with mentor teacher and university instructor, written lesson reflections, observation of lessons taught by master teachers, and preparation of web-based portfolio.

**TED 4622 Internship Elementary Part III (6)**

Co-requisite(s): TED 4623

Pre-requisite(s): Grade of B or better in TED 3620 and 3621

Continuation of TED 4620 and TED 4621.

**TED 4623 Internship Elementary Part IV (6)**

Co-requisite(s): TED 4622

Pre-requisite(s): Grade of B or better in TED 3620 and 3621

Continuation of TED 4620 and TED 4621.

**TED 4630 Internship Middle Grades Part I (6)**

Co-requisite(s): TED 4631

Pre-requisite(s): Grade of B or better in TED 3630

Full-time teaching experience in a professional development or partner school. A mentor teacher and intern-supervisor will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes a 2-hour weekly seminar

**TED 4631 Internship Middle Grades Part II (6)**

Co-requisite(s): TED 4630

Pre-requisite(s): Grade of B or better in TED 3630

Planning and preparing lessons and materials for full-time teaching. Includes completion of content modules, conferencing with mentor teacher and intern-supervisor, written lesson reflections, observation of lessons taught, and experiences aligned with the teacher education standards.

**TED 4632 Internship Middle Grades Part III (6)**

Co-requisite(s): TED 4633

Pre-requisite(s): Grade of B or better in TED 4630 and 4631

Continuation of TED 4630 and TED 4631.

**TED 4633 Internship Middle Grades Part IV (6)**

Co-requisite(s): TED 4632

Pre-requisite(s): Grade of B or better in TED 4630 and 4631

Continuation of TED 4630 and TED 4631.

**TED 4640 Internship Secondary Part I (6)**

Co-requisite(s): TED 4641

Pre-requisite(s): Grade of B or better in TED 3342, 3641, and 33XX Secondary Content Practicum Course

Full-time teaching experience in a professional development school. A mentor teacher and resident faculty will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes one two hour seminar per week.

**TED 4641 Internship Secondary Part II (6)**

Co-requisite(s): TED 4640

Pre-requisite(s): Grade of B or better in TED 3342, 3641, and 33XX Secondary Content Practicum. Planning and preparing lessons and materials for full-time teaching. Includes completion of content modules, conferencing with mentor teacher and university instructor, written lesson reflections, observation of lessons taught by master teachers, and preparation of electronic portfolio.

**TED 4642 Internship Secondary Part III (6)**

Co-requisite(s): TED 4643

Pre-requisite(s): Grade of B or better in TED 3342, 3641, and 33XX Secondary Content Practicum  
Continuation of TED 4640 and TED 4641.

**TED 4643 Internship Secondary Part IV (6)**

Co-requisite(s): TED 4642

Pre-requisite(s): Grade of B or better in TED 3342, 3641, and 33XX Secondary Content Practicum

**TED 4652 Internship Gifted and Talented Part III (6)**

Co-requisite(s): TED 4653

Pre-requisite(s): Grade of B or better in EDP 3650 and TED 3651  
Continuation of EDP 4650 and EDP 4651.

**TED 4653 Internship Gifted and Talented Part IV (6)**

Co-requisite(s): TED 4652

Pre-requisite(s): Grade of B or better in EDP 3650 and TED 3651  
Continuation of EDP 4650 and EDP 4651.

**TED 4670 Internship Physical Education Part I (6)**

Co-requisite(s): TED 4671

Pre-requisite(s): Grade of B or better in TED 3670 and 3671  
Full-time experience in professional development. A mentor teacher and resident faculty will support teacher candidates as they gradually assume complete responsibilities for teaching. Course includes two eighty-minute seminars per week.

**TED 4671 Internship Physical Education Part II (6)**

Co-requisite(s): TED 4670

Pre-requisite(s): Grade of B or better in TED 3670 and 3671  
Planning and preparing lessons and materials for full-time teaching. Includes completion of content modules, conferencing with mentor teacher and university instructor, written lesson reflections, observation of lessons taught by master teachers, and preparation of web-based portfolio.

**TED 4672 Internship Physical Education Part III (6)**

Co-requisite(s): TED 4673

Pre-requisite(s): Grade of B or better in TED 3670 and 3671  
Continuation of TED 4670 and TED 4671.

**TED 4673 Internship Physical Education Part IV (6)**

Co-requisite(s): TED 4672

Pre-requisite(s): Grade of B or better in TED 3670 and 3671  
Continuation of TED 4670 and TED 4671.

**TED 4690 Secondary School Teaching (6)**

Pre-requisite(s): TED 3641

A full-time daily supervised teaching experience in a local public school. Students collaborate with classroom teacher to provide instruction under the direction of a university supervisor. Includes weekly seminar with supervisor.

**TED 4V98 Special Topics in Teacher Education (1-6)**

Pre-requisite(s): Upper-level standing or consent of instructor

Examination of special topics in teacher education focusing on pedagogy, curriculum, and PK-12 field experience professional development. May be repeated once under a different topic not to exceed six semester hours.

## Telecommunications (CST)

## Theater Arts (THEA)

**THEA 1101 Fundamentals of Voice and Movement I (1)**

Co-requisite(s): THEA 1301

An introduction to the fundamentals of voice and movement for the actor with emphasis on freeing the natural voice and developing awareness of the voice and body as creative, expressive instruments. This course supports the work done in acting core courses.

**THEA 1102 Fundamentals of Voice and Movement II (1)**

Co-requisite(s): THEA 1302

A continuation of THEA 1101 with emphasis on the fundamentals of voice and movement for the actor, freeing the natural voice, and developing awareness of the voice and body as creative and expressive instruments.

**THEA 1103 Freshman Voice for Traditional Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to traditional musical theatre styles, in chorus roles with repertoire before 1965.

**THEA 1104 Freshman Voice for Contemporary Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to contemporary musical theatre styles, in chorus roles with repertoire after 1965.

**THEA 1110 The Fine Arts: An Experiential Survey of Music, Art, Theatre, and Film (1)**

Pre-requisite(s): Acceptance into the Fine Arts Living Learning Center

An exploration of four Fine Arts disciplines (film, art, theatre, and music) from an interdisciplinary perspective, with emphasis on specific performances and exhibitions, and a small group focus on new student experiences.

**THEA 1301 Acting I: Realism (3)**

Co-requisite(s):

Introduction to the basics of acting, including theatrical terminology, improvisation, scene study, and character analysis. Emphasis will be placed on an acting method based on the works of Constantin Stanislavski.

**THEA 1302 Acting Realism: Scene Study (3)**

Co-requisite(s): THEA 1102

An introduction to basic acting technique. Students employ the character analysis, basic object exercises, and other acting tools toward producing a character study based on a modern American play.

**THEA 1306 Introduction to Theatre (3)**

Develops an engaged understanding of live theatre and performance in contemporary society through an overview of the various artists, skills, crafts, traditions, and conventions that inform the creation of a theatrical event. Students with credit in Thea 1306 may not earn credit for Thea 1206.

**THEA 1312 Scenic Elements (3)**

Basic course in stagecraft. Technical crew lab included.

**THEA 1316 Costume and Stage Makeup Elements (3)**

Study and application of the theories and techniques of theatrical costuming, construction of theatrical clothing, and theatrical makeup. Technical crew lab included.

**THEA 1324 Script Analysis (3)**

Pre-requisite(s): THEA 1380

Introduction to the process of script analysis, focusing on play structure, environmental research and character development, and culminating in a written play analysis.

**THEA 1380 Theatre Aesthetics: Visual Storytelling (3)**

An introduction to basic theatre aesthetics. Emphasis placed on elements and principles of design for visual storytelling.

**THEA 1383 Theatrical Drafting (3)**

Introduction to theatrical hand drafting techniques, tools and standards, including fundamentals of graphic problem solving by visualization of elements in three dimensional space.

**THEA 2101 Applied Voice and Movement I (1)**

Co-requisite(s): THEA 2301

Pre-requisite(s): THEA 1102

Continuation of the work begun in THEA 1101 and 1102 with emphasis on movement for the stage as it applies to realistic acting, as well as interpretive, post-modern theatre making.

**THEA 2102 Applied Voice and Movement II (1)**

Co-requisite(s):

Pre-requisite(s): THEA 2101

Continuation of the work begun in THEA 2101 with emphasis on movement for the stage as it applies to realistic acting, as well as interpretive, post-modern theatre making.

**THEA 2103 Sophomore Voice for Traditional Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to traditional musical theatre styles, in small group/ensemble roles with repertoire before 1965.

**THEA 2104 Sophomore Voice for Contemporary Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to contemporary musical theatre styles, in small group/ensemble roles with repertoire after 1965.

**THEA 2105 Singing for the Actor (1)**

Pre-requisite(s): Instructor permission required

Preparing the actor to participate in singing roles including ensemble work, straight plays with music, and Shakespeare sonnets. The course will also cover vocal technique, sight singing, and harmony/group singing. Course may be repeated for a maximum of 3 hours.

**THEA 2113 Workshop in Traditional Musical Theatre I (1)**

Pre-requisite(s): Consent of instructor

Application of techniques and skills learned in the voice class in a performance setting using materials from traditional musical theatre styles pre-1965.

**THEA 2114 Workshop in Contemporary Musical Theatre I (1)**

Pre-requisite(s): Consent of instructor

Application of techniques and skills learned in the voice class in a performance setting using materials from contemporary musical theatre styles from 1965 to the present.

**THEA 2298 Ballet I (2)**

Ballet with emphasis on technique and vocabulary. Theatre Arts majors may substitute this class for one semester of Human Performance.

**THEA 2299 Jazz I (2)**

Pre-requisite(s): THEA 2298

Jazz techniques, vocabulary, and styles relevant to character/theatre dance. Theatre Arts majors may substitute this class for one semester of Human Performance.

**THEA 2301 Acting: Physical Methods (3)**

Co-requisite(s):

Pre-requisite(s): THEA 1302

An Introduction to the physical methods of Acting, focusing on Viewpoints.

**THEA 2302 Acting: Shakespeare (3)**

Co-requisite(s):

Pre-requisite(s): THEA 1302

Exploration of the acting challenges of Shakespeare's plays, through studies of text sense and structure, and exercises for developing breath, relaxation, vocal energy, and creative acting choices.

**THEA 2316 Stage Makeup (3)**

Study and application of theories and techniques of theatrical makeup. Technical crew laboratory included.

**THEA 2370 Technology Fundamentals for Theatre (3)**

Introduction to essential software and technologies utilized in the creation of a live theatrical production.

**THEA 2371 Lighting and Sound Elements (3)**

General principles and practices of stage lighting and theatrical sound technology. Technical crew laboratory included.

**THEA 2374 Theater History I (3)**

Historical investigation of theatre practice, performance, and dramatic literature from ancient times through the Renaissance.

**THEA 2375 Theater History II (3)**

Pre-requisite(s): THEA 2374

Historical investigation of theatre practice, performance, and dramatic literature from the Renaissance through the nineteenth century. Emphasis on Europe and North America.

**THEA 2383 Theatrical Drawing and Rendering (3)**

Principles and practices of drawing, rendering, and modeling techniques used for the theater.

**THEA 2385 Technical Theatre for Non-Theatre Majors (3)**

Pre-requisite(s): Consent of the Instructor An introductory study of the tools, techniques, and concepts related to the technical aspects of theatre production

**THEA 2390 Stage Management (3)**

The art and craft of stage management, including the role and responsibilities of the stage manager.

**THEA 3001 Production Lab (0)**

Pre-requisite(s): Junior standing

Evaluation of acting and crew work for all major productions, thesis production, qualifying productions, and weekly workshops. May be taken a maximum of 3 times.

**THEA 3103 Junior Voice for Traditional Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to traditional musical theatre styles, in solo limited supporting roles with repertoire before 1965.



**THEA 3104 Junior Voice for Contemporary Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to contemporary musical theatre styles, in solo limited supporting roles with repertoire after 1965.

**THEA 3106 Production Lab II (1)**

Pre-requisite(s): Junior standing and THEA 3105

Continuation of THEA 3105.

**THEA 3113 Workshop in Traditional Musical Theatre II (1)**

Pre-requisite(s): THEA 2113 and consent of instructor

A continuation of THEA 2113.

**THEA 3114 Workshop in Contemporary Musical Theatre II (1)**

Pre-requisite(s): THEA 2114 and consent of instructor

A continuation of THEA 2114.

**THEA 3297 Tap I (2)**

Pre-requisite(s): THEA 2298

Tap with an emphasis on the basic steps, rhythms, and music theory related to the dance.

**THEA 3298 Ballet II (2)**

Pre-requisite(s): THEA 2298

A continuation of Ballet I, refining technique and developing broader ranges of movement.

**THEA 3301 Acting: Advanced Realism (3)**

Pre-requisite(s): THEA 2302 and upper-level standing

Correlating advanced acting techniques and the performance requirements of important realistic playwrights. Students will analyze, rehearse and perform scenes from playwrights of the early independent theater movement and from a range of contemporary playwrights.

**THEA 3302 Acting: Advanced Auditioning (3)**

Pre-requisite(s): Upper-level standing An exploration of auditioning techniques and professional auditioning practices in the Theatre

**THEA 3303 Theatre for Young Audiences (3)**

Pre-requisite(s): THEA 1302 and upper-level standing

An applied study of the dramatic literature and production techniques of theater intended for young audiences. Emphasis will be on techniques of acting and the creation of new material.

**THEA 3304 Acting: Playwright Study (3)**

Pre-requisite(s): Consent of instructor

The application of advanced acting techniques to the unique style and period conventions of an individual playwright. May be repeated once for credit with study of a different playwright(s).

**THEA 3310 Introduction to Standardized Patient Methodology (3)**

Cross-listed as HP 3312

See HP 3312 for course information.

**THEA 3316 Costume Draping and Patterning (3)**

Pre-requisite(s): THEA 1316

Technical skills with emphasis on interpreting two-dimensional drawings into three-dimensional costumes by manipulating fabric through draping, patterning, and construction.

**THEA 3323 Costume Crafts (3)**

Pre-requisite(s): THEA 1316 or consent of the instructor

Technical skills with an emphasis on 2D and 3D techniques in creating and modifying specialty costume pieces.

**THEA 3324 Directing I/Script Analysis (3)**

Pre-requisite(s): THEA 1380 and upper-level standing

A study of play analysis for beginning directors. Workshop laboratory required.

**THEA 3325 Directing II (3)**

Pre-requisite(s): THEA 3324

Continuation of THEA 3324. A study of techniques of play direction. Fundamental consideration of blocking and director-actor communication. Workshop laboratory required.

**THEA 3326 Costume Design (3)**

Pre-requisite(s): THEA 1316

Development and execution of costume designs for a variety of theatrical situations. Lectures, design projects, critiques, and discussions.

**THEA 3327 Advanced Makeup Techniques (3)**

Pre-requisite(s): THEA 1316

This course builds on introductory skills learned in THEA 1316 (Costume and Makeup Elements). Students will study advanced application skills and tools for character transformation with makeup, masks, and 3D elements.

**THEA 3333 Theatre in Cultural Context (3)**

Pre-requisite(s): For theatre majors only or consent of instructor

An exploration of theatre production and theatrical history particular to a specific region of the world, with references to regional historical, political, social, cultural, artistic, and architectural influences. Course may be repeated for a maximum of six semester hours if topic varies.

**THEA 3341 Master Works in Drama (3)**

Cross-listed as GTX 3341

See GTX 3341 for course information.

**THEA 3352 Japanese Theatre and Culture (3)**

Cross-listed as JPN 3352

History and practice of theatre in Japan from earliest recorded history to the present era.

**THEA 3363 Metal-Working for the Theatre (3)**

Pre-requisite(s): THEA 1312

Prepares students for various aspects of metal-working for the theatre, including safety, welding, cutting, and shaping.

**THEA 3370 Scene Design (3)**

Pre-requisite(s): THEA 1312 Survey of theatrical design and scene designers, and the realization of students' designs as floor plans, renderings, and models

**THEA 3371 Lighting Design (3)**

Pre-requisite(s): THEA 2371 Lighting design in theatrical production and as an artistic tool in manipulating three dimensional space

**THEA 3372 Scene Painting (3)**

Pre-requisite(s): THEA 1312; upper-level standing

Introduction to large scale painting. Students execute texture techniques.

**THEA 3373 Short-form Playwriting (3)**

Pre-requisite(s): THEA 1324

Development of techniques and skills of dramatic writing through practice in creating short-form original dramatic work.

**THEA 3380 Sound Design (3)**

Cross-listed as FDM 3380

Pre-requisite(s): THEA 2371 or FDM 2360

The creation and implementation of sound design for theatre; also applicable to film, music production, video games, and live events. Includes the artistic process of design and the development of technical abilities and conceptual approaches to sound manipulation.



**THEA 3383 Computer Aided Drafting and Modeling (3)**

Pre-requisite(s): THEA 1383

Computer aided drafting to incorporate many of the principals covered in THEA 1383 (hand-drafting for the theater). Utilize both the vector based Vector works software and the floating point algorithm based AutoCAD software.

**THEA 3390 Marketing for the Performing Arts (3)**

Audience development principles and marketing techniques for both commercial and non-profit arts organizations. Emphasis on live theatre. Technical crew lab included.

**THEA 3398 Theatrical Props: Construction and Management (3)**

Pre-requisite(s): THEA 1312 and consent of instructor

Practical study of the design, construction, organization, and implementation of theatrical properties in production.

**THEA 3V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**THEA 4102 Theatre in the Professional World (1)**

Pre-requisite(s): Senior standing and consent of instructor

Prepares majors for the transition from academia to the professional arena.

**THEA 4103 Senior Voice for Traditional Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to traditional musical theatre styles, in solo leading roles with repertoire before 1965.

**THEA 4104 Senior Voice for Contemporary Musical Theatre (1)**

Pre-requisite(s): Consent of instructor

Acting technique and character development, in conjunction with vocal technique, as they relate to contemporary musical theatre styles, in solo leading roles with repertoire after 1965.

**THEA 4107 Production Lab III (1)**

Pre-requisite(s): Senior standing and THEA 3106

Evaluation of acting and crew work for all major productions, thesis production, qualifying productions, and weekly workshops.

**THEA 4108 Production Lab IV (1)**

Pre-requisite(s): Senior standing and THEA 3106

A continuation of production methods learned in THEA 3106.

**THEA 4113 Workshop in Traditional Musical Theatre III (1)**

Pre-requisite(s): THEA 3113 and consent of instructor

A continuation of THEA 3113.

**THEA 4114 Workshop in Contemporary Musical Theatre III (1)**

Pre-requisite(s): THEA 3114 and consent of instructor

A continuation of THEA 3114.

**THEA 4190 Portfolio Development (1)**

Pre-requisite(s): Consent of instructor

Development of design portfolios and presentation skills needed for professional employment in theatrical design.

**THEA 4215 Art as Civic Practice: Engagement, Collaboration, and Inclusivity (2)**

Pre-requisite(s): Upper-level standing

Engagement, collaboration, and inclusivity through the lens of arts-based practices as they are related to three key groups: ourselves, organizations, and communities, including community-based artistic programming across fine arts entities.

**THEA 4297 Jazz II (2)**

Pre-requisite(s): THEA 2298 and 2299

Continuation of Jazz I, refining technique and exploring different styles of jazz and character dance.

**THEA 4298 Tap II (2)**

Pre-requisite(s): THEA 3297

Continuation of Tap I, refining technique and exploring advanced rhythms and steps.

**THEA 4301 Acting for the Camera (3)**

Pre-requisite(s): THEA 2301 and 2302

Preparation for professional performance in television and film.

**THEA 4308 Advanced Theatre Theory (3)**

Pre-requisite(s): Senior level standing

Great texts of dramatic theory ranging from Aristotle and Zeami through to Emile Zola and Bertolt Brecht. Theoretical ideas on the aesthetics, efficacy and morality of theatre have interacted with plays at various time periods.

**THEA 4321 History of Costume (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

A study of dress from Egyptian times to the twentieth century.

**THEA 4322 History of Decor in the Western World (3)**

Pre-requisite(s): Upper-level standing

Major historical movements and periods in architecture and decorative arts in the West, with special attention to how these trends relate to theatrical design.

**THEA 4326 Advanced Costume Design (3)**

Pre-requisite(s): THEA 3326

Advanced principles and practices of costume design, with an emphasis on the design team/director collaboration.

**THEA 4335 Creative Dramatics (3)**

Pre-requisite(s): Consent of instructor

Education, theory, and philosophy that will cultivate the techniques of creative dramatics and develop the skills needed for human interaction in dramatic play. Lab required.

**THEA 4351 Automated Lighting (3)**

Pre-requisite(s): THEA 2371

Design techniques and the programming of automated lighting fixtures on various lighting consoles.

**THEA 4365 Advanced Directing I (3)**

Pre-requisite(s): THEA 3324

Directing techniques for departures from realism, with an emphasis on postmodern theatre, musical theatre, and verse drama. Workshop required.

**THEA 4366 Advanced Directing II (3)**

Pre-requisite(s): THEA 4365

Continuation of THEA 4365. Workshop required.

**THEA 4370 Advanced Scene Design (3)**

Pre-requisite(s): THEA 3370; and upper level standing

Development and execution of scenic designs for a variety of theatrical situations. Lectures, design projects, critiques and discussions.

**THEA 4371 Advanced Lighting Design (3)**

Pre-requisite(s): THEA 3371

Developing and executing lighting designs for a variety of situations.

Lectures, design projects, cue composition, and critique and discussion.

**THEA 4373 Playwriting (3)**

Pre-requisite(s): THEA 3373

A study of the art and craft of playwriting with an emphasis on play structure, development of the personal voice, use of dramatic irony, and character development.

**THEA 4376 Theater History III (3)**

Pre-requisite(s): THEA 2374 and 2375; and upper-level standing

Historical investigation of theatre practice, performance, and dramatic literature from the early twentieth century to the present.

**THEA 4377 The Theatre and Christianity (3)**

Pre-requisite(s): Upper-level standing or consent of instructor

An exploration of biblical perspectives concerning creativity and the arts with a special emphasis on theatre and the performing arts.

**THEA 4378 Dramaturgy: Theory and Practice (3)**

Pre-requisite(s): THEA 4376 and consent of instructor

Investigation of the functions and methods of the dramaturg such as choosing a season, audience enrichment, new play development, researching production history, and understanding dramatic structure and theory.

**THEA 4379 Advanced Studies in Contemporary Theatre and Drama (3)**

Pre-requisite(s): THEA 2374 and 2375

Topics related to leading contemporary playwrights, current issues of dramatic style, and emerging trends in theatrical practice. May be repeated once for credit with different content.

**THEA 4380 Performing Arts Management (3)**

Pre-requisite(s): Upper-level standing

Organizational structure, fundraising techniques, and board development for non-profit professional and commercial performing arts organizations. Includes contracting with professional unions, budgeting, and season planning. Technical crew lab included.

**THEA 4384 Advanced Sound Design (3)**

Cross-listed as FDM 4371

Pre-requisite(s): THEA 3380/FDM 3380

A continuation of THEA 3380/FDM 3380. This course builds upon the sound design skills gained previously and adds training in the advanced functions of industry standard software. Students will develop a personal design style, a discerning ear for quality audio, and in-depth knowledge of the production process. Intended for theatre designers, this course is also applicable to film, music production, video games, and live events.

**THEA 4390 Advanced Stage Management (3)**

Pre-requisite(s): THEA 2390

Role and responsibilities of the stage manager using the Regional Theatre or LORT Stage Manager model. Explores budgeting, seasonal planning and responsibilities in touring and non-theatrical situations.

**THEA 4395 Stage Combat (3)**

Pre-requisite(s): Upper-level standing and consent of instructor

Actor movement in stage combat (armed and unarmed) with emphasis on proper technique, safety, and theatricality. May be repeated once for credit with different contents.

**THEA 4398 Technical Direction for Theater (3)**

Pre-requisite(s): THEA 1312, 1316, 1383, and 2371

Four basic areas of technical direction: creating technical drawings, estimating a set, choosing materials used in the theater, and scheduling the building of sets for the theater. This course may be repeated once with a different topic.

**THEA 4V75 Music Directing for Musical Theatre (1-3)**

Pre-requisite(s): Instructor Approval

A practical approach to teaching music, conducting ensembles, collaborating with directors, evaluating voices, and improving vocal technique. This course is geared toward students interested in learning how to Music Direct Musicals and Theatre performances.

**THEA 4V98 Professional Internship (1-3)**

Pre-requisite(s): Upper-level standing

Internship in Theatre and/or the Entertainment industry fulfilled in cooperation with an approved organization. The student will participate in formal training and directed activities in Theatre, Television, Film, Music or other Industry related fields.

**THEA 4V99 Special Studies in Theater Arts for Majors (1-3)**

Pre-requisite(s): Senior standing and consent of instructor

Advanced studies in special theater topics. May be repeated for up to six hours credit.

**THEA 4V9R Research (3)**

Pre-requisite(s): Consent of the instructor

Undergraduate research undertaken with the supervision of a faculty member. May be taken for a maximum of 6 hours.

**THEA 4VC5 Production Capstone (1-3)**

Pre-requisite(s): Senior standing and consent of instructor

Advanced practicum in production performance design technical theater or management. May be repeated with different topic not to exceed six credit hours.

## University Scholars (UNSC)

**UNSC 3001 Exit Interview HNR (0)**

Pre-requisite(s): GTX 2301 and 2302, or consent of instructor

Discussion of independent reading list and proposed thesis topic with a selected faculty committee.

**UNSC 3301 University Scholars Capstone HNR (3)**

Pre-requisite(s): Upper-level standing in University Scholars Program

Special topics of study in modern and post-modern intellectual thought. Bridging genres and disciplines, the course encourages students to make connections with their previous study of Great Texts within the broad context of their University Scholars experience.

**UNSC 4101 Senior Thesis HNR (1)**

Pre-requisite(s): UNSC 3001 or consent of instructor

Submission of an introductory chapter and bibliography for thesis.

**UNSC 4302 Senior Thesis HNR (3)**

Pre-requisite(s): UNSC 4101 or consent of instructor

Completion of thesis and approval by assigned committee.

**UNSC 4V01 University Scholars Independent Study HNR (1-3)**

Pre-requisite(s): Permission of UNSC director and instructor

Flexible credit optional. University Scholars Program for in-depth study of interdisciplinary topic not regularly offered in other traditional departments. Topic of study must be approved by program director and instructor and may not relate to the University scholar's proposed thesis. May be repeated only with permission of director and instructor.

**UNSC 4V21 University Scholars Special Topics (1-4)**

This course designed to allow University Scholars to pursue lines of inquiry not otherwise available in the curriculum. Topics of the course determined by instructor in coordination with the University Scholars Director. Course may be repeated.

# University Studies (UST)

## UST 1V10 Beginning Science (1-3)

Beginning science for summer program students.

# Women's & Gender Studies (WGS)

## WGS 2300 Women's and Gender Studies: An Introduction (3)

An interdisciplinary exploration of critical questions about the meaning of gender in society. Includes contemporary debates about appropriate gender roles, body image, violence against women, access to education and occupations, and women's healthcare.

# The Faculty

## Faculty

## A

Matthew H. Aars, M.S., Senior Lecturer in Computer Science (2005)  
B.S., M.S., Texas A&M U.; Baylor U.

Michael A. Aars, M.S., Senior Lecturer in Computer Science (2002)  
B.S., M.S., Baylor U.; *ibid*

Michael Abd-Elmessih, M.S., Lecturer in Arabic (2019)  
M.S., Southern Connecticut State U.

Erika L. Abel, Ph.D., Clinical Professor of Biology in the Honors Program (2011-2018†, 2018)  
B.S., Ph.D., Texas A&M; U. of Washington

Annie Abraham, D.N.P., Clinical Associate Professor in Nursing (2019)  
B.S.N., M.S.N., D.N.P., Shreemati Nathibai Damodar Thackersey Women's; U. of Texas Arlington; Texas Christian U.

Marnie C. Abrahams, M.A., Senior Lecturer in American Sign Language (2013)  
B.A., M.A., Baylor U.; Hardin-Simmons U.

Tamarah L. Adair, Ph.D., Senior Lecturer in Biology and Director of Undergraduate and Scholarly Achievement (URSA) (1998)  
B.S., M.S., Ph.D.; Baylor U.; *ibid.*; *ibid.*

Kyle Adams, P.T., D.P.T., Clinical Assistant Professor in Physical Therapy (2017)  
B.A., M.A., D.P.T.; Hamilton College; SUNY Upstate Medical U.; *ibid.*

Amber T. Adamson, M.A., Senior Lecturer in Journalism, Public Relations and New Media (2013)  
B.S., M.A., Baylor U.; *ibid.*

Justin Adeyemi, Ph.D., Lecturer in Health, Human Performance and Recreation (2022)  
B.S., M.A., Ed.D.; Georgia College and State U.; *ibid.*; Valdosta State U.

Emmanuel Agamloh, Ph.D., Associate Professor Electrical and Computer Engineering (2019)  
B.S., M.S., Ph.D.; St. Petersburg U.; *ibid.*; Oregon State U.

Martha C. Agee, J.D., Senior Lecturer in Business Law (1999)  
B.B.A., J.D.; Baylor U.; *ibid.*

Julio C. Aguilar, Ph.D., Lecturer in Spanish (2016)  
M.D., M.A., Ph.D.; U. of Guadalajara; *ibid.*; U. of Texas.

Jason A. Aimone, Ph.D., Associate Professor of Economics (2013)  
B.A., M.S., Ph.D.; Emory U.; Texas A&M U.; George Mason U.

Jessica Akers, Ph.D., Assistant Professor in Educational Psychology (2017)  
B.A., M.S., Ph.D.; California State U.; *ibid.*; Utah State U.

Emmanuel Akowuah, DrPH., Lecturer in the Department of Public Health (2020)  
B.Sc., M.S., DrPH.; Kwame Nkrumah University of Science and Technology; University of North Dakota; Georgia Southern University

Jared Alcántara, Ph.D., Professor of Preaching and Holder of the Paul W. Powell Endowed Chair in Preaching (2018)  
B.A., M.Div., M.Th., Ph.D.; Wheaton College; Gordon-Conwell Theological Seminary; University of Edinburgh, Scotland; Princeton Theological Seminary

Kara Poe Alexander, Ph.D., Professor of English and Director of the University Writing Center (2006)  
B.S., M.A., Ph.D.; Abilene Christian U.; *ibid.*; U. of Louisville.

Michael Alexander, D.M.A., Associate Dean for Academic Affairs and Professor of String Music Education (2006)  
B.M.E., M.M., D.M.A.; Southwestern U.; Sam Houston State U.; U. of Houston.

Sara E. Alexander, Ph.D., Professor of Anthropology (1991-1995†, 1995)  
B.A., M.A., Ph.D.; Baylor U.; U. of Kentucky; *ibid.*

Allison M. Alford, Ph.D., Clinical Assistant Professor in Business Communications (2017)  
B.A., M.A., Ph.D.; Texas A&M U; U. of Texas at Austin; *ibid.*

Nathan F. Alleman, Ph.D., Associate Professor of Educational Leadership (2010)  
B.A., M.A., Ph.D.; Messiah College; Geneva College; College of William and Mary.

Paul G. Allison, Ph.D., Professor of Mechanical Engineering (2022)  
B.S., Ph.D.; Mississippi State U.; *ibid.*

Dwight D. Allman, Ph.D., Associate Professor of Political Science (1995)  
B.A., M.A., Ph.D.; Brigham Young U.; U. of Chicago; *ibid.*

Guilherme Almeida, M.M., Senior Lecturer in Theatre Arts (2013)  
B.C.M., M.M.; North Brazil Baptist Theological Seminary, Baylor U.

Becky L. Althaus, Ph.D., Clinical Assistant Professor (2021)  
B.S.N., M.S., Ph.D.; Baylor U.; Texas Woman's U.; *ibid.*

Claudio Alvarez, Ph.D., Assistant Professor of Marketing (2015)  
B.A., M.B.A., M.S., Ph.D.; Pontifical Catholic U. of Rio de Janeiro, Brazil; Wharton School, U. of Pennsylvania; Coppead Graduate School of Business, Federal U. of Rio de Janeiro, Brazil; Boston U. School of Management.

Euridice Alvarez Izcoa, D.M.A., Assistant Professor of Oboe (2018)  
B.M., M.M., D.M.A.; U. Southern Mississippi; Baylor U.; Eastman School of Music

Erica P. Ancira, M.B.A., Clinical Associate Professor of Management Information Systems (2015)  
B.B.A, M.B.A.; Baylor U.; *ibid.*

Charity R. Anderson, Ph.D., Associate Professor of Philosophy (2014)

B.A., M.A., Ph.D.; Biola U.; *ibid.*; St. Louis U.

Paul Anderson, J.D., Clinical Assistant Professor of Insurance (2017)  
B.A., J.D.; Abilene Christian U.; U. of Texas at Austin.

Matthew Andersson, Ph.D., Assistant Professor Sociology (2016)  
B.S., M.A., Ph.D.; Knox College; U. of Iowa; *ibid.*

Alona D. Angosta, Ph.D., Associate Dean for Research and Scholarship  
and Professor (2021)  
B.S.N.; M.S.N.; Ph.D.; U. of Nevada, Las Vegas; *ibid.*; University of Hawaii  
at Manoa

Andrea Archer, D.N.P., Clinical Associate Professor (2019)  
B.S., M.S., D.N.P.; U. of St. Francis, Joliet; U. of Illinois, Chicago; U. of Iowa,  
Iowa City

Christen Argueta, M.S.W., Lecturer in Social Work and Online MSW  
Program Director (2015)  
B.S., M.S.W.; Baylor U.; *ibid.*

Amber Arnold, M.S., Clinical Assistant Professor of Nutrition Sciences  
(2020)  
B.S., M.S.; Stephen F. Austin U.; *ibid.*

Carrie D. Arroyo, M.S.W., Senior Lecturer in Social Work (2011)  
B.S.W., M.S.W.; U. of Texas at Austin; U. of Pennsylvania.

Andrew Arterbury, Ph.D., Professor of Christian Scriptures (2003)  
B.A., Th.M., M.Div., Ph.D.; Baylor U.; Princeton Theological Seminary; *ibid.*;  
Baylor U.

Kendall W. Artz, Ph.D., Professor and Director of the John F. Baugh  
Center for Entrepreneurship and Free Enterprise and holder of the Curtis  
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B.S., M.B.A., Ph.D.; Montana State U.; Arizona State U.; Purdue U.

Matthew Asare, Ph.D., Assistant Professor of Public Health (2018)  
B.A., M.I.A., M.B.A., Ph.D.; U. of Ghana; Ohio U.; U. of Rochester; U. of  
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Jessica Asbridge, J.D., Assistant Professor (2020)  
B.A., J.D.; U. of Kansas; Indiana U. Maurer School of Law, Bloomington

Sally L. Askins, M.F.A., Associate Professor of Theatre Arts (1993)  
B.F.A., M.A., M.F.A.; Stephen F. Austin State U.; *ibid.*; Trinity U.

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B.S., M.S., Ph.D.; Baylor U.; *ibid.*; U. of Nebraska.

## B

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Therapy (2017)  
B.S., M.S., D.P.T.; Texas State U.; *ibid.*; U. of Montana

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B.S., M.Ed., Ph.D.; U. of Alabama, Birmingham; *ibid.*; Baylor U.

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B.S., M.A., Ph.D.; California Polytechnic State U.; U. of Texas; U. of  
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Erich J. Baker, Ph.D., Professor and Chair of Computer Science (2002)  
B.A., M.S., Ph.D.; U. of Notre Dame; Barry U.; U. of Tennessee, Knoxville.

Lori E. Baker, Ph.D., Professor of Anthropology (2002)  
B.A., M.A., Ph.D.; Baylor U.; *ibid.*; U. of Tennessee.

Jane N. Baldwin, Ph.D., Professor of Accounting, holder of The Ernst and  
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B.S., M.B.A., Ph.D.; Arkansas Tech U.; Baylor U.; U. of Arkansas.

Robbie B. Barber, M.F.A., Professor of Art (2000)  
B.F.A., M.F.A.; East Carolina U.; U. of Arizona.

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B.A., M.A., Ph.D.; Emory U.; Columbia U.; Princeton U.; *ibid.*

Beth Allison Barr, Ph.D., Professor of History (2002)  
B.A., M.A., Ph.D.; Baylor U.; U. of North Carolina, Chapel Hill; *ibid.*

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B.A., M.A.; Williams College; Baylor U.

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B.A., M.A., Ph.D.; Baylor U.; *ibid.*; Texas A&M U.

Lauren A. Barron, M.D., Inaugural Michael E. DeBakey, M.D., Selma  
DeBakey, and Lois DeBakey Chair for Medical Humanities, Clinical  
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B.A., M.D.; Baylor U.; U. of Texas Health Science Center.

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B.S., M.S., Ph.D. U. of South Florida; *ibid.*; *ibid.*

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B.A., M.A., Ph.D.; Cedarville U.; U. of Missouri, Columbia; *ibid.*

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B.A., M.A., Ph.D., M.J.S.; U. of Nevada; M.A., Simon Greenleaf U.; Fordham  
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B.S., Ph.D.; Wright State U.; U. of Florida.

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B.A., M.Div., Ph.D.; Jamestown College; Fuller Theological Seminary;  
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B.S.EE., M.A.Ed., Ph.D., U. of Arkansas; Chapman U.; U. of North Texas

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B.M., M.A., Ph.D.; U. of Richmond; U. of Iowa; *ibid.*

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B.A., M.S., Ed.S., Ph.D.; Moorhead State U.; Illinois State U.; U. of Florida;  
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B.S., M.S.I.S.; Devry U.; Baylor U.

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B.Sc., M.Sc., Ph.D.; M.B.A., Amirkabir U. of Technology, Iran; *ibid.*; Asia  
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B.S., B.S.P.T., M.P.H., DPT; U. of N. Texas; U. of Texas SW Med Ctr.; Texas  
A&M U.; A.T. Still U.

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B.S., M.A., Ph.D.; North Carolina State U.; Baylor U.; *ibid.*

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B.A., M.A., Ph.D.; State U. of New York, Geneseo; Denver Seminary; U. of  
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Stephanie C. Boddie, Ph.D., Assistant Professor of Curch and Community  
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B.A., M.S.W., Ph.D.; Johns Hopkins U.; U. of Pennsylvania; *ibid.*

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B.A., M.A., Ph.D.; U. of Texas, San Antonio; U. of Texas, Austin; *ibid.*

Bradley C. Bolen, D.M.A., Senior Lecturer in Piano (2000)  
B.M., M.M., D.M.A.; U. of Texas, Arlington; U. of Texas; *ibid.*

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B.S., M.S., Ph.D.; Texas A&M U.; Baylor U.; *ibid.*

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B.S.N., M.S.N., D.N.P.; West Texas A&M U.; *ibid.*; Creighton U.

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B.A., M.A., M.S.I.S.; Baylor U.; *ibid.*, U. of Texas, Austin.

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B.A., M.A., J.D.; Baylor U.; *ibid.*; *ibid.*

Philip Borter, D.M.A., Assistant Professor of Cello (2020)  
B.M., M.M., D.M.A.; Cleveland Institute of Music; Eastman School of  
Music; *ibid.*

Lotte D. Bostick, J.D., Clinical Assistant Professor of Business Law (2018)  
B.S., J.D., Virginia Polytech Institute; Baylor U.

Maria Elena Bottazzi, Ph.D., Distinguished Professor of Biology  
Licenciature, Ph.D.; U. Nacional Autonomo de Honduras; U. of Florida

Rodney G. Bowden, Ph.D., Brown Chair and Professor, College of Health  
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B.S., M.S., Ph.D.; Sam Houston State U.; Texas A&M U.; *ibid.*

C. Randall Bradley, D.M.A., The Ben H. Williams Professor of Music (2000)  
B.M.E., M.M., D.M.A.; Troy State U.; Southwestern Baptist Theological  
Seminary; *ibid.*

Dora Bradley, Ph.D., Clinical Associate Professor of Nursing  
B.S., Oklahoma Baptist U.; M.S., U of Oklahoma Health Science Center,  
Ph.D., U of South Carolina, Columbia; M.S.

Steven W. Bradley, Ph.D., Professor of Entrepreneurship (2007)  
B.S., M.E., Ph.D.; U. of Texas; Texas A&M. U.; Indiana U.

Matthew Brammer, M.A., Lecturer of Journalism, Public Relations and  
New Media (2020)  
B.B.A., M.A.; Baylor U.; U. of Southern California.

Courtney Brandt, M.S.N., Clinical Instructor of Nursing (2020)  
B.S.N., M.S.M.; Truman State U.; Texas Tech U. Health Science Ctr.

Susan P. Bratton, Ph.D., Professor of Environmental Science (2001)  
A.B., M.A., Ph.D., Ph.D.; Columbia U.; Fuller Seminary; Cornell U.; U. of  
Texas, Dallas.

M. Cristian Bratu, Ph.D., Associate Chair, Professor of French, and Division  
Director of French and Italian (2007)  
B.A., M.A., Ph.D.; Babes-Bolyai U.; D.E.A., U. Lumiere Lyon 2; New York U.

Brian C. Brewer, Ph.D., Professor of Christian Theology (2019)



B.A., M.Div., Th.M., M.Phil., Ph.D.; Baylor U.; George W. Truett Theological Seminary; Princeton Theological U.; Drew U.; *ibid.*

Mackenzie B. Brewer, Ph.D., Assistant Professor of Sociology (2018)  
B.A., M.A., Ph.D.; Baylor U.; Rice U.; *ibid.*

Dave Bridge, Ph.D., Associate Professor of Political Science (2010)  
B.A., M.A., Ph.D.; Baylor U.; U. of Southern California; *ibid.*

Andrew W. Brinkerhoff, Ph.D., Assistant Professor of Physics (2019)  
B.S., M.S., Ph.D.; Grove City College; U. of Notre Dame; *ibid.*

Bryan W. Brooks, Ph.D., Distinguished Professor of Environmental Science (2002)  
B.S., M.S., Ph.D.; U. of Mississippi; *ibid.*; U. of North Texas.

Brandy Lane Brown, D.N.P., Clinical Assistant Professor (2021)  
B.S.N., M.S.N., D.N.P.; U. of South Alabama, Mobile; Vanderbilt U.; Samford U.

J. Owen Brown, Ph.D., Associate Professor and holder of the KPMG Thomas L. Holton Endowed Chair in Accounting (2013)  
B.S.B.A., M.Ac., Ph.D.; Auburn U.; *ibid.*; Virginia Polytechnic Institute and State U.

Michelle R. Brown, M.A., Senior Lecturer of Interior Design (2002)  
B.A., M.A.; Tennessee Technological U.; U. of Kentucky.

Nicki Brown, Clinical Assistant Professor in Communicational Sciences and Disorders  
B.S., M.S.; U. of Texas Austin; Baylor U.

Blair W. Browning, Ph.D., Associate Professor of Communication (1999-2008†, 2008)  
B.A., M.A., Ph.D.; Baylor; *ibid.*; Texas A&M U.

Erica D. Bruce, Ph.D., Associate Professor of Environmental Science (2008)  
B.S., M.S., Ph.D.; Texas A&M U.; *ibid.*; *ibid.*

Rochelle R. Brunson, Ph.D., Clinical Associate Professor in Apparel Merchandising (2009)  
B.S., M.S., Ph.D.; U. of Louisiana, Monroe; Louisiana Tech. U.; Texas Woman's U.

Tommy J. Bryan, Ph.D., Senior Lecturer in Mathematics (1988-91, 1993)  
B.B.A., M.S., Ph.D.; Baylor U.; *ibid.*; U. of Texas.

Lt Col Paul Bryant, M.S., Detachment Commander and C-17 Pilot and Professor Aerospace Studies (2019)  
B.S., M.S., M.S.; Valdosta State U.; Liberty U.; Air U.

Fernanda V. Bueno, Ph.D., Senior Lecturer in Spanish and Portuguese (2010)  
B.A., M.A., Ph.D.; Universidade de São Paulo; Texas State U.; U. of Texas.

J. Todd Buras, Ph.D., Associate Professor (2003)  
B.A., M.A., M.A.R., Ph.D.; Ouachita Baptist U.; Baylor U.; Yale Divinity School; Yale U.

Cynthia A. Burgess, M.L.I.S., Librarian and Curator of Books and Printed Materials  
B.S., M.S.I.S.; U. of North Texas; U. of Texas, Austin.

Mack Burke, Ph.D., Professor in Educational Psychology (2020)

Blake W. Burleson, Ph.D., Senior Lecturer in Religion (1991)

B.A., B.S., Ph.D.; Baylor U.; *ibid.*; *ibid.*

Cassy Burleson, Ph.D., Senior Lecturer in Journalism, Public Relations and New Media (2003)  
B.S., M.A., M.A., Ph.D.; Sam Houston State U.; *ibid.*; Baylor U.; U. of Texas, Austin.

Debra D. Burleson, Ph.D., Clinical Associate Professor of Business Communication (2004)  
B.B.A., M.Ed., Ph.D.; Baylor U.; Texas Tech U.; *ibid.*

Joel S. Burnett, Ph.D., Professor of Religion (2001)  
B.A., M.Div., Ph.D.; Wofford College; Princeton Theological Seminary; The Johns Hopkins U.

Laurie L. Burney, Ph.D., Associate Professor and Holder of the J.E. Bush Professorship in Accounting (2010)  
B.B.A., M.B.A., Ph.D.; Austin Peay State U.; Middle Tennessee State U., U. of Kentucky.

Timothy W. Burns, Ph.D., Professor of Political Science (2013)  
B.A., M.A., Ph.D.; Boston College; U. of Toronto; *ibid.*

Simon Peter Burris, Ph.D., Senior Lecturer in Classics (2005)  
B.A., Ph.D.; U. Texas; Cornell U.

Clayton Butler, Ph.D., Senior Lecturer in Linguistics (2002)  
B.A., M.S., Ph.D.; Baylor U.; U. of Texas, Austin; *ibid.*

Soku Gu Byoun, Ph.D., Associate Professor of Finance, and holder of the Carr P. Collins Chair of Finance  
B.B.A., M.S., M.S., Ph.D.; U. of Suwon, Korea; Chicago State U.; U. of Illinois; U. of South Carolina.

## C

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William B. (Trey) Cade, III, Ph.D., Assistant Research Professor and Director of Baylor Institute for Air Science (2011)  
B.S., M.S., Ph.D.; Texas A&M U.; Utah State U.; *ibid.*

Elizabeth Perry Caldwell, Ph.D., Associate Professor in Nursing (2015)  
B.S., M.S., Ph.D.; The U. of Memphis; *ibid.*; U. of Texas at Austin.

Robin Caldwell, Ph.D., Clinical Associate Professor of Nursing (2013)  
B.S.N., M.S., Ph.D.; U. of Texas-Arlington; Texas Woman's U.; *ibid.*

Curtis W. Callaway, B.A., Senior Lecturer in Journalism, Public Relations and New Media (2009)  
B.A., Brooks Institute of Photography.

Katherine E. Calloway, Ph.D., Assistant Professor of English (2016)  
B.A., M.A., Ph.D.; Baylor U.; *ibid.*; U. of British Columbia.

Peter P. Campbell, Ph.D., Associate Professor of Political Science (2014)  
B.A., M.A., Ph.D.; U. of Manitoba; U. of Notre Dame; *ibid.*

Candi K. Cann, Ph.D., Associate Professor in Baylor Interdisciplinary Core and Religion in the Honors College (2011)  
B.A., M.A., Ph.D.; St. Andrews Presbyterian College; U. of Hawaii at Manoa; Harvard U.

Melony Cannon, M.S., Clinical Assistant Professor of Communication Sciences and Disorders (2017)

B.S., M.S.; Appalachian State U.; Radford U.

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B.A., M.A., Ph.D.; U. of Iowa; *ibid.*; U. of Texas.

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B.A., M.Div., M.Th., Ph.D.; U. of Puerto Rico; Evangelical Seminary of Puerto Rico; Princeton Theological Seminary; *ibid.*

Gary R. Carini, Ph.D., Professor of Management and Vice Provost for Graduate Professional Education (1991)

B.S., M.P.A., Ph.D.; U. of California; U. of Southern California; U. of Pennsylvania; *ibid.*

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B.S.N., M.S., Ph.D.; Thomas Jefferson U.; Boston College; Medical U. of S. Carolina

Dawn S. Carlson, Ph.D., Professor of Management, holder of the H.R. Gibson Chair in Management and Director of the McBride Center for International Business Entrepreneurship (1999)

B.B.A., M.B.A., Baylor U.; *ibid.*; Ph.D., Florida State U.

John R. Carlson, Ph.D., Associate Professor of Information Systems and Business Analytics (1999)

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Natalie Carnes, Ph.D., Associate Professor of Religion (2011)

A.B., M.A., Ph.D.; Harvard U.; U. of Chicago Divinity School; Duke U.

Bradley W. Carpenter, Ph.D., Associate Professor of Educational Leadership (2019)

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B.S., M.S.L.S.; U. of Notre Dame; U. of North Carolina.

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B.S., U. of Florida; M.P.H., *ibid.*; Ph.D., *ibid.*

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Engineering, M.S., Ph.D.; Czech Technical U., Prague; Baylor U.; Czech Technical U., Prague.

C. Kevin Chambliss, Ph.D., Vice Provost for Research and Professor of Chemistry (2001)

B.S., Ph.D.; Ouachita Baptist U.; Colorado State U.

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Mona Choucrair, Ph.D., Senior Lecturer in English, Faculty-in-Residence at South Russell, and Director of Civic Learning and Engagement (2000)

B.A., M.A., Ph.D.; Baylor U.; U. of Dallas; Baylor U.

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B.S., M.S., Ph.D.; U. of the Philippines Los Banos; U. of the Philippines Diliman; U. California, Davis.

Gerald Cleaver, Ph.D., Professor in Physics and Graduate Program Director (2001)

B.S., Ph.D.; Valparaiso U.; California Institute of Technology.

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B.A., B.A., M.A., M.A., Ph.D.; U. of Granada; B.A., *ibid.*; U. Antonio de Nebrija; U. of Granada; Purdue U.

Wm. David Clinton, III, Ph.D., Professor and Chair of Political Science (2005)

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Licenciatura (B.A.), M.A., Ph.D.; Universidad de Sevilla; U. of North Carolina, Chapel Hill; *ibid.*

Carolyn Cole, M.S.W., Lecturer in Social Work and Associate Director of Field Education (2019)  
B.A., M.S.W.; Baylor U.; *ibid.*

Holly Collins, Ph.D., Associate Professor of French (2011)  
B.A., M.A., Ph.D.; Mercer U.; U. of New Mexico; U. of North Carolina, Chapel Hill.

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Alfredo Colman, Ph.D., Associate Professor Musicology and Ethnomusicology (2007)  
B.M., M.M., Ph.D.; Belmont U.; Baylor U.; U. of Texas., Austin.

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B.A., M.A.; Schreiner U.; U. of North Texas.

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B.S., St. Louis U., M.S., Baylor U.

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B.S., M.S., Ph.D.; East Carolina U.; Western Illinois U.; U. of North Texas

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M.P.T., D.P.T., Ph.D.; Des Moines U.; *ibid.*; Nova Southeastern U.

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B.A., M.B.A., Ph.D.; Wheaton College; Oklahoma City U.; Texas A&M U.

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B.A., M.A., Ph.D.; Louisiana Tech U.; *ibid.*; Texas A&M U.

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B.S., M.S., J.D.; Central Methodist College; U. of North Texas; Texas Wesleyan U. School of Law

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B.A., M.A., Ph.D.; Oberlin College; B.M., Oberlin Conservatory; Louisiana State U.; *ibid.*

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B.A., M.A., M.A., Ph.D.; Oberlin College; Louisiana State U.; *ibid.*; *ibid.*

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B.A., M.A., Ph.D.; Western Kentucky U.; U. of Kentucky, Lexington; Indiana U., Bloomington

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B.M., M.M., D.M.; Arizona State U.; New England Conservatory of Music; Early Music Institute, Indiana U.

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B.S., M.S., Ph.D.; Oklahoma Baptist U.; U. of Oklahoma; U. of Northern Colorado

Jeremy Counseller, J.D., Professor of Law (2003)  
B.A., M.B.A., J.D.; Stephen F. Austin State U.; Baylor U.; *ibid.*

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B.S., M.S., Ed.D.; Baylor U.; U. of North Texas; Baylor U.

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B.A., M.M., M.S.L.S.; Baylor U.; *ibid.*; U. of North Texas.

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B.A., Ph.D.; U. of Tennessee; U. of Georgia.

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B.A., M.A.; U. of Southern California; Purdue U.

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B.S., Ph.D.; Allegheny C.; Colorado State U.

## D

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B.M. M.M., D.M.A.; Oklahoma State U., U. of Michigan Ann Arbor; U. of Texas

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B.A., M.A., Ph.D.; Providence College; Loyola U.; *ibid.*

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B.S.O.T., O.T.D.; U. of Illinois at Chicago; Rocky Mountain U. of Health Professions

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B.S., M.A., Ph.D.; U. of Texas at Austin; Lindenwood U.; Baylor U.

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B.B.A., M.B.A., Ph.D.; The College of William and Mary; U. of Richmond; U. of North Carolina, Chapel Hill.

Darin H. Davis, Ph.D., Clinical Professor of Moral Philosophy in the Honors Program and Director of the Institute for Faith and Learning (2009)  
B.A., M.A., Ph.D.; U. of Texas; Baylor U., Saint Louis U.

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B.S., M.S., Ph.D.; Armstrong Atlantic State U.; Auburn U.; *ibid.*

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B.S., M.S.; U. of Houston; Baylor U.

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B.S., M.Ed., Ph.D.; Baylor U.; *ibid.*; U. of Texas.

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B.S., M.S., Ph.D.; Texas A&M U.; *ibid.*; *ibid.*

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B.A., M.A., Ph.D.; McMaster U.; Saint Louis U.; U. of Western Ontario.

Elizabeth J. Dell, Ph.D., Senior Lecturer in English and Literature Program Director (2002)  
B.A., M.F.A., M.A., Ph.D.; Wellesley College; U. of Virginia; U. of Texas, Austin; *ibid.*

Isabelle Demers, D.M.A., Professor of Organ (2012)  
B.M., M.M., D.M.A.; Le Conservatoire de Musique de Montréal; Julliard School of Music; *ibid.*

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B.S., M.S., Ph.D.; U. of the Philippines Los Baños; *ibid.*; U. of Connecticut.

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B.A., M.F.A.; Abilene Christian U.; Baylor U.

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B.A., M.A., Ph.D.; U. of New Hampshire; San Diego State U.; U. of New Hampshire.

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B.M., M.M., D.M.A.; Georgia Southern U.; Rice U.; U. of Houston

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B.S., Ph.D.; U. of Missouri; Northwestern U.

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B.A., B.A., M.S., Ph.D.; California State U., Chico; *ibid.*; , U. of Missouri; U. of North Carolina, Greensboro.

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B.S., M.S., Ph.D.; Baylor U.; *ibid.*; Georgia Tech.

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B.S., M.S.; U. of Illinois, Urbana; *ibid.*

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B.S., M.S., Ph.D.; Angelo State U.; Air Force Institute Tech; U. of North Texas.

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B.A., M.S., Ph.D.; Wayland Baptist U.; Baylor U.; U. of Maryland.

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B.S., M.S., Ph.D.; Baylor U.; *ibid.*; U. of Maryland.

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B.S.Ed., M.A., M.A., Ph.D.; Baylor U.; Stony Brook U.; Pennsylvania State U.; *ibid.*

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B.S., M.S., Ph.D., Christian Heritage College; Texas Tech U.; Texas Tech U., *ibid.*

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B.A., M.A., Au.D.; U. of Texas at Austin; *ibid.*, A.T. Still U.

Robyn L. Driskell, Ph.D., Professor Sociology (1997)

B.A., M.A., Ph.D.; Baylor U.; *ibid.*; Texas A&M U.

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B.S. M.A., Ph.D.; California State U.; Baylor U.; *ibid.*

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B.S., M.S., Ph.D.; SUNY Brockport; U. at Buffalo; *ibid.*

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B.S., B.A., M.B.A., Ph.D.; Appalachian State U.; *ibid.*; *ibid.*; U. of Mississippi.

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B.C.M., B.S.N., D.N.P.; Dallas Baptist U.; B.S.N., Baylor U.; D.N.P., *ibid.*

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B.S., M.S., SLP.D.; U. of Nebraska-Lincoln; *ibid.*; U. of Kansas Medical School

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B.A., M.S., Ph.D.; Albion College; Michigan State U.; U. of Texas, Austin.

## E

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B.A., Ph.D.; U. of Louisiana at Monroe; Texas A&M U.

Richard W. Easley, Ph.D., Associate Professor of Marketing (1989)

B.S., M.B.A., Ph.D.; Tennessee Technological U.; East Tennessee State U.; U. of South Carolina.

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B.A., MPH, Ph.D.; Carleton College; University of North Carolina; University of Texas School of Public Health.

Jon Eckert, Ed.D., Professor and Copple Chair in Christian School Leadership (2019)

Ed.D. Vanderbilt University

Cari C. Edison, M.B.A., Senior Lecturer in Accounting (2011)

B.B.A., M.B.A.; Baylor U.; *ibid.*

Janice Edmonson, M.S.N., Clinical Assistant Professor in Nursing (2019)

B.S.N., M.S.N., Texas Women's U.; *ibid.*

Chet Edwards, M.B.A., W.R. Poage Distinguished Chair for Public Service (2011)

B.A., M.B.A.; Texas A&M U.; Harvard U.

Elise M. Edwards, Ph.D., Assistant Professor in Religion (2013)

B.S., M.Arch., M.T.S., Ph.D.; Florida A&M U.; *ibid.*; John Leland Center for Theological Studies; Claremont U.

Finley C. Edwards, Ph.D., Clinical Associate Professor of Economics (2014)

B.A., M.A., Ph.D.; Wheaton College; U. of Illinois; *ibid.*

Richard E. Edwards, Ph.D., Professor of Communication (1989)

B.A., Ph.D.; U. of Iowa; *ibid.*

Shaun P. Eide, M.Ed., Clinical Assistant Professor of Quantitative Business Analysis (2018)

A.A., B.A., B.A., M.Ed., Ph.D.; Southwestern Assemblies of God U.; *ibid.*; *ibid.*; U. of North Texas

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B.A., M.A., Ph.D.; Clemson U.; *ibid.*; Emory U.

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B.A., M.A., Ph.D.; Henderson State U.; East Texas State U. at Commerce; Texas A&M U.

J. Brian Elliott, M.A., Senior Lecturer in Film and Digital Media (1990)

B.A., M.A.; Baylor U.; *ibid.*

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B.A., M.A., Ph.D.; U. of Hawaii, Manoa; U. of Southern California; *ibid.*

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Alexander J. Engebretson, Ph.D., Senior Lecturer in English (2013)

B.S., M.A., Ph.D.; Azusa Pacific U.; California State U., Fullerton; City U. of New York.

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B.S., Ph.D.; Oklahoma State U.; Vanderbilt U.

José Luis Escorcia, M.A., Senior Lecturer in Spanish (2009)

B.A., M.A., M.A.; Corporación Universitaria de la Costa; U. Del Norte, Colombia; Indiana U., Bloomington.

Kent Eshelman, D.M.A., Professor of Tuba/Euphonium (2009)

B.F.A., B.M., M.M., D.M.A.; U. of Michigan; *ibid.*; U. of Wisconsin, Madison; Michigan State U.

Louis A. Esserman, M.B.A., Clinical Associate Professor of Information Systems (2014)

B.B.A., M.B.A.; Baylor U.; Mississippi State U.

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B.S.N., M.S.N., U. of Puerto Rico; U. of Miami

Susan P. Etheredge, M.I.M., Senior Lecturer in Finance and Managing Director of the Hodges Financial Markets Center (2004)

B.A., M.B.A.; Baylor U.; *ibid.*

Bruce J. Evans, M.L.S., Assistant Librarian and Music and Fine Arts Catalog Librarian (2003)

B.A., M.L.S.; Fresno Pacific U.; U. of North Texas.



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B.A., M.Phil., Ph.D.; Wheaton College; Yale U.; *ibid.*

## F

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B.M., M.M., M.L.I.S.; U. of Cincinnati-College Conservatory of Music; U of Texas; *ibid.*

Thomas M. Featherston, Jr., J.D., Professor and The Mills Cox Chair of Law (1982)  
B.B.A., J.D.; Baylor U.; *ibid.*

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B.S., Ph.D.; U. of Delaware; North Carolina State U.

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B.A., M.A., Ph.D.; U. of Wisconsin-Madison; Northern Illinois U., *ibid.*

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B.A., M.A., Ph.D.; St. Edmund Hall, Oxford; *ibid.*, U. of St. Andrews.

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B.A., M.A., M.A., M.A.; U. of Salamanca; Instituto Europeo de Bilbao;  
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## G

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B.A., B.S.N., M.S.N., D.N.P.; U. of Texas at Austin; St. Louis U.; U. of Texas at El Paso; *ibid.*

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Anne Jeffrey, Ph.D., Assistant Professor of Philosophy, Affiliated Faculty in the Medical Humanities Program (2019)  
B.A., Ph.D.; Baylor U.; Georgetown U.

Philip Jenkins, Ph.D., Distinguished Professor of History and Co-Director of the Program on Historical Studies of Religion (2009)  
B.A., M.A., Ph.D.; U. of Cambridge; *ibid.*; *ibid.*

Mary Ann Jennings, Ed.D., Senior Lecturer of Health, Human Performance and Recreation and Director of Lifetime Fitness (2011)  
B.S., M.S., Ed.D.; U. of West Florida; U. of West Florida; United States Sports Academy.

Lulin Jiang, Ph.D., Assistant Professor of Mechanical Engineering (2019)  
B.S., J.M., M.S., Ph.D.; North China Electric Power University; Huzhou  
University of Science and Technology; University of Alabama; *ibid.*

Ben Johansen, Ph.D., Lecturer in Composition and Computer Music  
(2017)  
B.M.E., M.M., Ph.D.; Baylor U.; *ibid.*; U. of North Texas

Susan K. Johnsen, Ph.D., Professor of Educational Psychology (1989)  
B.A., M.Ed., Ph.D.; Baylor U.; U. of Texas; *ibid.*

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Distinguished Professor of the Social Sciences (2004)  
B.A., M.A., Ph.D.; Minot State U.; Middle Tennessee State U.; U. of  
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B.A., M.A., Ph.D.; Baylor U.; *ibid.*; *ibid.*

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B.F.A., M.A.; U. of Cincinnati, College of Conservatory of Music; Baylor U.

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B.A., M.A., M.Div., Ph.D.; Texas State U.; John Hopkins U.; Boston U.;  
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B.S., M.A., Ph.D.; Arlington State College; U. of Texas, Austin; Texas Tech  
U.

Hope W. Johnston, Ph.D., Associate Professor of English (2008)  
B.A., M.A., M.Phil., Ph.D.; College of William & Mary; U. of North Carolina,  
Chapel Hill; U. of Cambridge; *ibid.*

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Instruction (2018)  
B.S., Baylor U.; M.Ed, Texas State U.; Ed.D., Columbia U.

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B.S.N., M.S.N., D.N.P.; Arkansas State U.; U of Arkansas; *ibid.*

Kenneth R. Jones, Ph.D., Associate Professor of Classics and History and  
Chair of Classics (2007)  
B.A., M.A., Ph.D.; U. of California, Berkeley; *ibid.*; *ibid.*

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B.S., M.P.H., M.S.N., D.N.P.; Benedictine U.; U. of Illinois, School of Public  
Health; Texas A&M U.; American Sentinel U.

Reneé Jones, D.N.P., Clinical Associate Professor in Nursing (2013-2015†,  
2015)  
B.S.N., M.S.N., D.P.N.; U. of Mississippi-Jackson; *ibid.*; U. of Missouri-  
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Tracey R. Jones, M.A., Lecturer in Spanish (2017)  
B.A., M.A., M.A.; U. of La Verne; *ibid.*; New Mexico State U.

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M. Devanand Jonklaas, Ph.D., Senior Lecturer in Chemistry and  
Biochemistry and Faculty-in-Residence at Earle Hall (2004)  
B.A., Ph.D.; Taylor U.; Baylor U.

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B.S., M.S., Ph.D.; Mississippi State U.; *ibid.*; *ibid.*

Mary Ann Jordan, Ed.D., Clinical Faculty of Educational Leadership (2008)  
B.A., M.S., Ed.D.; Baylor U.; Texas A&M U., Kingsville; U. of North Texas.

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B.A., M.A., Ph.D.; College of William and Mary; Princeton U.; *ibid.*

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B.S., M.A., Ph.D.; Skidmore College; Michigan State U., U. of Pittsburgh.

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B.A., M.A., Ph.D.; Franciscan U., Xavier U.; U. of Pittsburgh.

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B.F.A., M.F.A.; Baylor U.; California State U., Fullerton.

## K

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B.M. & P.C. Eastman School of Music, M.M. University of Southern  
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B.A., M.A.; Baylor U.; *ibid.*

Robert R. Kane, Ph.D., Associate Professor of Chemistry, Director of  
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B.S., M.S., Ph.D.; U. of Texas, San Antonio; Baylor U.; U. of North Texas.

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B.S., M.S., Ph.D.; U. of California, Irvine; California State Polytechnic U.,  
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B.A., M.A., Ph.D.; St. Edward's U.; St. Mary's U.; Auburn U.

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B.S., M.Env.Mgmt., Ph.D.; Harding U.; Duke U.; *ibid.*

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B.S., M.S., Ph.D.; Texas Tech U.; U. of Texas; *ibid.*

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B.S., Ph.D.; Wichita State U.; Texas A&M U.

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B.S., Ph.D.; U. Puerto Rico-Rio Piedras; Texas A&M U.

Peter G. Klein, Ph.D., Professor and Chair of Entrepreneurship, Director of the Free Enterprise Program and holder of the W.W. Caruth Chair (2015)  
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B.A., M.A., Ph.D.; Kenyan College; Michigan State; *ibid.*

Jill Klentzman, Ph.D., Senior Lecturer in Mechanical Engineering (2014)  
B.S., M.S., Ph.D.; U. of Mary-Hardin Baylor; Southern Methodist U.; *ibid.*

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B.B.A., M.B.A., Ph.D.; U. of Mary Hardin-Baylor; Baylor U.; Texas A&M U.

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B.S., M.S., M.S., Ph.D.; Kangwon National U.; Kangwon National U.; Mississippi State U.; Texas Woman's U.

Shane Koppenhaver, P.T., Ph.D., Clinical Professor in Physical Therapy (2017)  
M.P.T., Ph.D.; U.S. Army-Baylor; U. of Utah

Marion Kopulos, Ph.D., Clinical Assistant Professor in Nursing (2017)  
B.S.N., M.S.N., Ph.D.; U. of Texas at Arlington; Walden U.; *ibid.*

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B.A., M.A., Ph.D.; Liberty Baptist College; U. of Iowa; *ibid.*

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B.S., M.S., Ph.D.; Aristotle U.; U. of Omaha; U. of Nebraska Medical Center.

Scott Koziol, Ph.D., Associate Professor of Electrical and Computer Engineering and Assistant Chair (2013)  
B.S.E.E., M.S., M.S.M.E., Ph.D.; Cedarville U.; Iowa State U.; Georgia Institute of Technology; *ibid.*

Denny B. Kramer, Ph.D., Assistant Dean of Graduate Enrollment, Management and Academic Technology, Graduate School (2001)  
B.A., M.A., Ph.D.; Baylor U.; *ibid.*; Oklahoma State U.

Sergiy Kudelia, Ph.D., Associate Professor of Political Science (2012)  
B.A., M.A., Ph.D.; Ivan Franko Lviv National U.; Stanford U.; Johns Hopkins U.

Hajime Kumahata, M.M., Lecturer in Japanese and Director of Interactive Media and Language Center (2019)  
B.S., M.M., M.M.; Southwest Baptist U., Baylor U.; *ibid.*

Stephanie M. Kunst, Ph.D., Assistant Professor of Management (2018)  
B.A., Ph.D.; California State U. Fullerton; Michigan State U.

JaeHwan Kwon, Ph.D., Associate Professor of Marketing (2015)  
B.S., M.B.A., M.S., Ph.D.; Korea U.; Yonsei U.; New York U.; U. of Iowa.

Samuel H. Kye, Ph.D., Assistant Professor in Sociology (2021)  
B.A., M.A., Ph.D.; Wheaton College; Indiana Univ.; *ibid.*

## L

Mieke J. Lahousse, Ph.D., Lecturer in Chemistry and Biochemistry (2019)  
B.S., Ph.D.; Central U. Venezuela-Caracas; Baylor U.

Eric C. Lai, Ph.D., Professor of Music Theory (1994)  
Diploma, M.M., Ph.D.; Royal Scottish Academy of Music and Drama; Indiana U.; *ibid.*

Bradley E. Lail, Ph.D., Associate Professor and Chair of Accounting and Business Law (2011)  
B.B.A., M.B.A., Ph.D.; Baylor U.; *ibid.*; U. of Oklahoma.

Kayla Landeros, J.D., Legal Writing Lecturer (2019)  
B.A., J.D.; Texas A&M; Baylor U.

Maria G. Lang, Ph.D., Assistant Professor in Bilingual Education (2019)  
Lic., M.Ed., Ph.D.; Seguridad e Higiene Industrial; U. of Texas, Brownsville; U. of Illinois at Urbana-Champaign

Sebastian J. Langdell, Ph.D., Assistant Professor English (2018)  
B.A., M.St., M.A., Ph.D.; Vassar College; U. of Oxford, U. of Texas; U. of Oxford.

Beth A. Lanning, Ph.D., Associate Chair, Department of Public Health, MPH-Community Health Program Director, and Professor of Public Health (1999-2000†, 2000)  
B.S.Ed., M.S.Ed., Ph.D.; Baylor U.; *ibid.*; Texas A&M U.

Katherine M.J. Larson, Ph.D., Assistant Professor of Art History (2019)  
B.A., M.A., Ph.D.; U. of Michigan; John Hopkins U.; *ibid.*

Paul E. Larson, Ph.D., Professor of Spanish (1993)  
B.A., M.A., Ph.D.; Gustavus Adolphus College; Middlebury College; U. of Minnesota.

Amanda S. Lassetter, M.A., Lecturer in Theatre Arts (2015)  
B.F.A., M.A.; Baylor U.; *ibid.*

Shawn J. Latendresse, Ph.D., Associate Professor of Psychology and Neuroscience (2013)  
B.A., M.S., Ph.D.; Pacific Lutheran U.; Teachers College, Columbia U.; Columbia U.

Ramon Lavado, Ph.D., Assistant Professor of Environmental Science (2016)  
B.S., Ph.D.; U. of Barcelona; *ibid.*

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B.A., M.S., Ph.D.; Concordia College Moorehead; Ohio State U. Columbus; *ibid.*

Wilson W. Law, Ph.D., Assistant Professor of Economics (2016)

B.S., M.S., Ph.D.; U. of Wisconsin, Madison; *ibid.*; *ibid.*

Tamara J. Lawrence, Ph.D., Senior Lecturer in Psychology and Neuroscience (1998)  
B.A. M.A., Ph.D.; Humboldt State U.; *ibid.*, U. of Louisville.

Jonathan N. Lawson, Ph.D., Lecturer in Biology (2019)  
B.S., Ph.D.; Baylor U.; U. of Texas Southwestern Medical School.

Karon N. LeCompte, Ph.D., Associate Professor of Curriculum and Instruction and Faculty-in-Residence of Allen and Dawson Halls (2010)  
B.S., M.A., Ph.D.; Sam Houston State U.; *ibid.*; U. of Texas.

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Jeonghun John Lee, Ph.D., Assistant Professor of Mathematics (2018)  
B.S., M.S., Ph.D.; Seoul National U.; *ibid.*; U. of Minnesota.

Kwang Y. Lee, Ph.D., Professor and Chair of Electrical and Computer Engineering (2007)  
B.S., M.S., Ph.D.; Seoul National U.; North Dakota State U.; Michigan State U.

Min K. Lee, Ph.D., Assistant Professor of Management (2020)  
B.A., M.S., Ph.D.; Kangwon National U.; Clemson U.; *ibid.*

Myeongwoo Lee, Ph.D., Associate Professor of Biology (2002)  
B.S., M.S.; Ph.D.; Sung Kyun U.; Illinois State U.; *ibid.*

Dorothy E. Leidner, Ph.D., Professor of Information Systems and holder of the Randall W. and Sarah Ferguson Professorship, Director of the Center for Information Systems Research and Director of the Ph.D. Program in Information Systems (2002)  
B.A., M.B.A., Ph.D.; U. of Texas, Austin; *ibid.*; *ibid.*

Brianna P. Lemmons, Ph.D., Assistant Professor of Social Work (2018)  
B.A., M.S.W., Ph.D.; Spelman College; Howard Univ.; *ibid.*

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B.B.A., M.B.A.; Baylor U.; *ibid.*

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Eng. Hons., M. Eng. EE, Ph.D.; McGill U. (Montreal, Canada); *ibid.*; U. of California, San Diego.

Brian C. Leutholtz, Ph.D., FACSM, Professor of Health, Human Performance and Recreation (2002-2003†, 2003)  
B.S., M.A., Ph.D.; Michigan State U.; *ibid.*; *ibid.*

Marie N. Level, M.A., Senior Lecturer in French (1990)  
Diplome, M.A.; U. Jean Moulin-Lyon III; U. of Cincinnati.

Jeff Levin, Ph.D., University Professor of Epidemiology and Population Health, Professor of Medical Humanities, and Director, Program on Religion and Population Health (2009)  
A.B., M.Phil, Ph.D.; Duke U.; U. North Carolina Chapel Hill; U.T. Medical Branch.

Gregory G. Lewallen, M.A., Lecturer in Art (2015)  
B.F.A., M.A.; Baylor U.; Savannah College of Art and Design.

Joseph M. Li, M.M., Assistant Professor of Vocal Coaching (2016)  
B.M., M.M.; Manhattan School of Music; *ibid.*

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M.S., Ph.D.; Peking U.; U. of Michigan.

Yang Li, Ph.D., Associate Professor of Electrical and Computer Engineering (2011)  
B.S., M.S., Ph.D.; U. of Science and Technology of China; U. of Texas; U. of Texas.

Christine C. Limbers, Ph.D., Associate Professor of Psychology and Neuroscience and Graduate Program Director of Clinical Psychology (2010)  
B.A., Ph.D.; Santa Clara U., Texas A&M U.

Brian M. Lindley, Ph.D., Assistant Professor of Chemistry (2019)  
B.S., Ph.D.; U. of Rochester; Cornell U.

Marie Lindley, Ph.D., Clinical Associate Professor in Nursing (2016)  
B.S., M.S., Ph.D.; William Peterson U.; Columbia U.; U. of Texas, Arlington.

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B.S. M.B.A., Ph.D.; Northwestern U.; The Claremont Graduate School; Rutgers U.

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B.S., PhD.; Beijing U. of Aero. & Astro.; U. of Florida.

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B.A., J.D.; Baylor U.; *ibid.*

Lance L. Littlejohn, Ph.D., Professor of Mathematics (2007)  
B.S.C., M.A., Ph.D.; U. of Western Ontario; *ibid.*; Pennsylvania State U.

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B.S., M.S., Ph.D.; U. of Nevada-Reno; *ibid.*; Purdue U.

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B.A., M.A., Ph.D.; Baylor U.; Indiana U.; *ibid.*

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B.A., M.A., M.A., Ph.D.; Universidad Internacional para la Integración de la América Latina; Arizona State U.; The Ohio State U., *ibid.*

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B.S., Ph.D.; Baylor U.; U. of South Carolina, Columbia.

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B.A., M.S., Ed.D.; Gallaudet U.; Lamar U.; Northern Illinois U.

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## M

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B.S., M.S., Ph.D.; U. of Memphis; Mississippi State U.; *ibid.*

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## O

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B.S., M.B.A., Ph.D.; Northwestern State U.; Baylor U.; *ibid.*

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B.S.N., M.S.N., D.N.P.; Madonna U.; *ibid.*; Vanderbilt U.

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B.A., M.B.A., M.P.A., Ph.D.; U. of Texas; U. of Montana; U. of Texas, Arlington; Oklahoma State U.

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B.A., M.L.I.S.; Bethel College; U. of Texas, Austin.

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B.A., M.M., D.M.; Bethel College; The Cleveland Institute of Music; Northwestern U.

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B.E.C., M.B.A., Ph.D.; Bina Nusantara U.; Chosun U.; U. of North Texas.

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B.F.A., M.F.A.; West Texas A&M U.; Baylor U.

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## T

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## V

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B.A., Ph.D.; Wheaton College; U. of Colorado Denver.

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B.S., M.A., Ph.D.; Baylor U.; U. of Colorado; *ibid.*

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## X

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**Curtis W. Callaway, B.A., Senior Lecturer in Journalism, Public Relations and New Media. (2009)**  
B.A., Brooks Institute of Photography.

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B.A., Baylor U.; M.A., *ibid.*; Ph.D., U. of British Columbia.

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B.A., U. of Manitoba; M.A., U. of Notre Dame; Ph.D., *ibid.*

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B.A., St. Andrews Presbyterian College; M.A., U. of Hawaii at Manoa; Ph.D., Harvard U.

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B.S., Appalachian State U.; M.S., Radford U.

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B.A., U. of Iowa; M.A., *ibid.*; Ph.D, U. of Texas.

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B.A., U. of Puerto Rico; M.Div., Evangelical Seminary of Puerto Rico; M.Th., Princeton Theological Seminary; Ph.D., *ibid.*

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B.B.A., Baylor U.; M.B.A., *ibid.*; Ph.D., Florida State U.

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B.S., U. of Oklahoma; M.B.A., *ibid.*; Ph.D., Florida State U.

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A.B., Harvard U.; M.A., U. of Chicago Divinity School; Ph.D., Duke U.

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B.B.A., College of William and Mary; M.S., U. of Houston.

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B.A., Vanderbilt U.; M.S.N., *ibid.* D.N.P., *ibid.*

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B.S., U. of Notre Dame; M.S.L.S., U. of North Carolina.

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B.S., Grand Canyon U.; M.A., Baylor U.; M.Div., Truett Theological Seminary; Ph.D., Baylor U.

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B.S., U. of Florida; M.P.H., *ibid.*; Ph.D., *ibid.*

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B.A., U. of Nebraska-Omaha; M.A. Baylor U.; Ph.D., *ibid.*

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B.S., Queens College; M.A., Columbia U.; M.D., New York University School of Medicine.

**Barbara Cassidy, Ed.D., Clinical Assistant Professor of Curriculum and Instruction. (2004)**

B.S., Missouri Valley College; M.Ed., Baylor U.; Ed.D., *ibid.*

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B.S., Universidade Federal Do Rio; M.S., *ibid.*; Ph.D., *ibid.*

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B.S., Texas A&M U., Commerce; M.A., *ibid.*; Ph.D., Louisiana State U.

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B.S., West Texas A&M U.; Ph.D., Baylor U.

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Engineering, Czech Technical U., Prague; M.S., Baylor U.; Ph.D., Czech Technical U., Prague.

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B.S., Ouachita Baptist U.; Ph.D., Colorado State U.

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A.B., Princeton U.; M.S., Stanford U.; Ph.D., U. of British Columbia; M.P.A., U. of Houston.

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B.F.A., Fort Hays University; M.F.A., Texas A&M U. – Corpus Christi.

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M.A., U. Virginia; Ph.D., Rutgers U.

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B.B.A., Texas A&M U.; Ph.D., *ibid.*

**Yoo-Mi Chin, Ph.D., Associate Professor of Economics. (2014)**

B.A., Seoul National U.; M.A., Brown U.; Ph.D., *ibid.*

**Mona M. Choucair, Ph.D., Senior Lecturer in English, Faculty-in-Residence at South Russell, and Director of Civic Learning and Engagement. (2000)**

B.A., Baylor U.; M.A., U. of Dallas; Ph.D., Baylor U.

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B.S., U. of the Phillipines Los Banos; M.S., U. of the Phillipines Diliman; Ph.D., U. California, Davis.

**Gerald B. Cleaver, Ph.D., Professor of Physics and Graduate Program Director. (2001)**

B.S., Valparaiso U.; Ph.D., California Institute of Technology.

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B.A., U. of Granada; B.A., *ibid.*; M.A., U. Antonio de Nebrija; M.A., U. of Granada; Ph.D., Purdue U.

**Wm. David Clinton III, Ph.D., Professor and Chair of Political Science. (2005)**

B.A., Louisiana State U.; M.A., U. of Virginia; Ph.D., *ibid.*

**Robert C. Cloud, Ed.D., Professor and Interim Chair of Educational Leadership. (1988)**

B.S., Howard Payne College.; M.S., Baylor U.; M.A., U. of Houston, Clear Lake; Ed.D., Baylor U.

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B.A., Wheaton College; M.A., Duke U.; Ph.D., *ibid.*

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B.A., Carson-Newman College; M.Div., Emory U.; Ph.D., Princeton Theological Seminary

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B.A., Baylor U.; M.S.W., *ibid.*

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Licenciatura (B.A.), Universidad de Sevilla; M.A., U. of North Carolina, Chapel Hill; Ph.D., *ibid.*

**Holly Collins, Ph.D., Associate Professor of French. (2011)**

B.A., Mercer U.; M.A., U. of New Mexico; Ph.D., U. of North Carolina, Chapel Hill.

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B.M., Belmont U.; M.M., Baylor U.; Ph.D., U. of Texas., Austin.

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B.A., Schreiner U.; M.A., U. of North Texas.

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B.S., St. Louis U., M.S., Baylor U.

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B.A., Pomona College; A.M., Dartmouth College; Ph.D., Texas A&M U.

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B.A., U. of Tennessee; Ph.D., U. of Georgia.

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B.A., U. of Southern California; M.A., Purdue U.

**James A. Curry, Ph.D., Professor of Political Science and The Bob Bullock Professor of Public Policy and Administration. (1974)**

B.A., Tarkio College; M.A., U. of Kansas; Ph.D., *ibid.*

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B.S., Allegheny C.; Ph.D., Colorado State U.

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B.M., Michigan State U.; M.M. Baylor U.

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B.A., Baylor U.; M.A., *ibid.*; Ph.D., U. of Texas.

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B.M. Oklahoma State U., M.M. U of Michigan Ann Arbor; D.M.A., U. of Texas

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B.A.B.A., U. of South Carolina; M.B.A., Wake Forest U.; Ph.D., U. of South Carolina.

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B.B.A., The College of William and Mary; M.B.A., U. of Richmond; Ph.D., U. of North Carolina, Chapel Hill.

**Darin H. Davis, Ph.D., Clinical Professor of Moral Philosophy in the Honors Program, and Director of the Institute for Faith and Learning. (2009)**

B.A., U. of Texas; M.A., Baylor U., Ph.D., Saint Louis U.

**John M. Davis, Ph.D., Professor of Mathematics and Undergraduate Program Director. (1999)**

B.S., Armstrong Atlantic State U.; M.S., Auburn U.; Ph.D., *ibid.*

**Tommye Lou Davis, M.S., Associate Professor of Latin, and Master Teacher. (1966)**

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B.S., U. of Houston; M.S., Baylor U.

**Tonya N. Davis, Ph.D., Associate Professor of Educational Psychology. (2008)**

B.S., Baylor U.; M.Ed., *ibid*; Ph.D., U. of Texas.

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B.S., Baylor U.; M.F.A., U. of Texas at Austin.

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B.S., Texas A&M U.; M.S., *ibid*; Ph.D., *ibid*.

**Julie K. deGraffenried, Ph.D., Associate Professor of History and Undergraduate Program Director. (2001)**

B.A., Baylor U.; M.A., U. of Texas, Austin; Ph.D., *ibid*.

**Timothy A. DeJong, Ph.D., Lecturer in English. (2015)**

B.A., McMaster U.; M.A., Saint Louis U.; Ph.D., U. of Western Ontario.

**Charles J. Delaney, Ph.D., Associate Professor of Real Estate. (1988)**

B.A., U. of Rhode Island; M.A., U. of Florida; Ph.D., *ibid*.

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**Elizabeth J. Dell, Ph.D., Senior Lecturer in English and Literature Program Director. (2002)**

B.A., Wellesley College; M.F.A., U. of Virginia; M.A., U. of Texas, Austin; Ph.D., *ibid*.

**Isabelle Demers, D.M.A., Associate Professor of Organ. (2012)**

B.M., Le Conservatoire de Musique de Montréal; M.M., Julliard School of Music; D.M.A., *ibid*.

**Maricel D. Demesa, Ph.D., Senior Lecturer in Chemistry. (2009)**

B.S., U. of the Philippines Los Baños; M.S., *ibid*; Ph.D., U. of Connecticut.

**Lisa C. Denman, M.F.A., Senior Lecturer in Theatre Arts and Undergraduate Program Director. (2006)**

B.A., Abilene Christian U.; M.F.A., Baylor U.

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B.A., Abilene Christian U.; M.A., Baylor U.; Ph.D., U. of Pittsburgh.

**Michael-John DePalma, Ph.D., Associate Professor of English and Coordinator of the Major in Professional Writing and Rhetoric. (2010)**

B.A., U. of New Hampshire; M.A., San Diego State U.; Ph.D., U. of New Hampshire.

**Mark Diamond, D.M.A., Assistant Professor of Voice. (2017\*, 2018)**

B.M., Georgia Southern U.; M.M., Rice U.; D.M.A., U. of Houston

**Jennifer S. Dickey, Ph.D., Senior Lecturer in Social Work and Director of Global Mission Leadership Initiative and the Endowed Chair of Global Leadership. (2012)**

B.A., Baylor U.; M.S.W., *ibid*; Ph.D., *ibid*.

**David L. Dicks, Ph.D., Assistant Professor of Finance. (2017)**

B.S., U. of Missouri; Ph.D., Northwestern U.

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B.A., The College of New Jersey; M.A., Tufts U.; Ph.D., Boston U.

**Meghan J. DiLuzio, Ph.D., Associate Professor in Classics and Graduate Program Director. (2011-2012<sup>1</sup>, 2012)**

B.A., The College of New Jersey; M.A., *ibid*; Ph.D., Princeton U.

**Jay R. Dittmann, Ph.D., Professor of Physics. (2003)**

B.S., Valparaiso U.; M.A., Duke U.; Ph.D., *ibid*.

**Lorynn R. Divita, Ph.D., Associate Professor in Apparel Design and Merchandising. (2002)**

B.A., California State U., Chico; B.A., *ibid*; M.S., U. of Missouri; Ph.D., U. of North Carolina, Greensboro.

**Andrea L. Dixon, Ph.D., Professor of Marketing, and holder of The Frank M. and Floy Smith Holloway Professorship in Marketing and Executive Director of the Center for Professional Selling. (2009)**

B.A./B.F.A., Kent State U.; M.B.A., Boston U.; M.S., Indiana U.; Ph.D., *ibid*.

**Derek Dodson, Ph.D., Senior Lecturer in Religion. (2007)**

B.A., Mobile College; M.Div., Southern Baptist Theological Seminary; Ph.D., Baylor U.

**Sara L. Dolan, Ph.D., Professor of Psychology and Neuroscience. (2007)**

B.S., Indiana U.; M.A., U. of Iowa; Ph.D., *ibid*.

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B.A., Baylor U.; M.A., U. of New Hampshire; Ph.D., U. North Carolina Greensboro.

**Michael J. Donahoo, Ph.D., Professor of Computer Science. (1998)**

B.S., Baylor U.; M.S., *ibid*; Ph.D., Georgia Tech.

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B.S., Shanghai Jiao Tong U.; M.S., U. of Texas; Ph.D., U. of Texas.

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B.S., U. of Illinois, Urbana; M.S., *ibid*.

**Phillip J. Donnelly, Ph.D., Professor of Literature and Director of the Great Texts Program in the Honors College. (2002)**

B.A., U. of British Columbia, Okanagan College; M.A., U. of Ottawa; Ph.D., *ibid*.

**Kevin D. Dougherty, Ph.D., Associate Professor of Sociology and Graduate Program Director. (2005)**

B.A., George Fox College; M.S., Purdue U.; Ph.D., *ibid*.

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B.S., Angelo State U.; M.S. Air Force Institute Tech; Ph.D., U. of North Texas.

**Eva I. Doyle, Ph.D., Chair & Graduate Program Director Department of Public Health, and Professor of Public Health. (2001)**

B.A., Wayland Baptist U.; M.S., Baylor U.; Ph.D., U. of Maryland.

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B.S., Baylor U.; M.S., *ibid*; Ph.D., U. of Maryland.

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B.S.Ed., Baylor U.; M.A., Stony Brook U.; M.A., Pennsylvania State U.; Ph.D., *ibid.*

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B.S., Texas Tech U.; M.Ed., Auburn U.; Ph.D., Texas Woman's U.

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B.S., Christian Heritage College; M.S., Texas Tech U.; Ph.D., Texas Tech U., *ibid.*

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B.A., U. of Texas at Austin; M.A., *ibid.*, Au.D., A.T. Still U.

**Steven G. Driese, Ph.D., Professor and Interim Chair of Geosciences and Associate Dean of Research in the Graduate School. (2004)**

B.S., Southern Illinois U.; M.S., U. of Wisconsin, Madison; Ph.D., *ibid.*

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B.A., Baylor U.; M.A., *ibid.*; Ph.D., Texas A&M U.

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B.S., Habilitation, U. of Essen; M.S., U. of Kaiserslautern; Ph.D., *ibid.*

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B.S. California State U.; M.A., Baylor U.; Ph.D., *ibid.*

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B.S., Appalachian State U.; B.A., *ibid.*; M.B.A., *ibid.*; Ph.D., U. of Mississippi.

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B.A., U. of Louisiana at Monroe; Ph.D., Texas A&M U.

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B.S., Tennessee Technological U.; M.B.A., East Tennessee State U.; Ph.D., U. of South Carolina.

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B.A., Carleton College; MPH, University of North Carolina; PhD, University of Texas School of Public Health.

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B.B.A., Baylor U.; M.B.A., *ibid.*

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B.A., Texas A&M U.; M.B.A., Harvard U.

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B.S., Florida A&M U.; M.Arch., *ibid.*; M.T.S., John Leland Center for Theological Studies; Ph.D., Claremont U.

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B.A., Wheaton College; M.A., U. of Illinois; Ph.D., *ibid.*

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B.S.N., Texas Women's U.; M.S.N., *ibid.*

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B.S.N., Texas Women's U.; M.S.N., *ibid.*; Abilene Christian U.

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B.A., U. of Iowa; Ph.D., *ibid.*

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A.A., Southwestern Assemblies of God U.; B.A., *ibid.*; M.Ed., *ibid.*; Ph.D., U. of North Texas

**Robert Elder, Ph.D., Associate Professor of History. (2018)**

B.A., Clemson U.; M.A., *ibid.*; Ph.D., Emory U.

**Gary R. Elkins, Ph.D., Professor of Psychology. (2006)**

B.A., Henderson State U.; M.A., East Texas State U. at Commerce; Ph.D. Texas A & M U.

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B.A., U. of Evansville; M.A., U. of Reading, UK; Ph.D., U. of Missouri.

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B.A., Baylor U.; M.A., *ibid.*

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B.S., Azusa Pacific U.; M.A., California State U., Fullerton; Ph.D., City U. of New York.

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B.S., Oklahoma State U.; Ph.D., Vanderbilt U.

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B.A., Corporación Universitaria de la Costa; M.A., U. Del Norte, Colombia; M.A., Indiana U., Bloomington.

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B.F.A., U. of Michigan; B.M., *ibid.*; M.M., U. of Wisconsin, Madison; D.M.A., Michigan State U.

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B.A., Universidad del Valle de Atemajac; M.A., Universidad de Guadalajara; Ph.D., U. of Texas.

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B.A., Baylor U.; M.B.A., *ibid.*

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B.S., Southern U.; M.S., U. of Pennsylvania; Ph.D., U. of South Florida.

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B.S., East Texas State U.; M.A., U. of Oklahoma; Ph.D., *ibid*.

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B.S., U. of Arkansas; M.S., Baylor U.

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B.A., U. of Minnesota; B.S., *ibid.*; Ph.D., Massachusetts Institute of Technology.

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B.S., U. of Cincinnati; M.S., Pennsylvania State U.; Ph.D., U. of Wyoming.

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**Myeongwoo Lee, Ph.D., Associate Professor of Biology. (2002)**

B.S., Sung Kyun U.; M.S., Illinois State U.; Ph.D., *ibid.*

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B.A., U. of Texas, Austin; M.B.A., *ibid.*; Ph.D., *ibid.*

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B.A., Spelman College; M.S.W., Howard Univ.; Ph.D., *ibid.*

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B.B.A., Baylor U.; M.B.A., *ibid.*

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Eng. Hons., McGill U. (Montreal, Canada); M. Eng. EE, *ibid.*; Ph.D.; U. of California, San Diego.

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B.S., Michigan State U.; M.A., *ibid.*; Ph.D., *ibid.*

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Diplome, U. Jean Moulin-Lyon III; M.A., U. of Cincinnati.

**Jeff Levin, Ph.D., University Professor of Epidemiology and Population Health, Professor of Medical Humanities, and Director, Program on Religion and Population Health. (2009)**

A.B., Duke U.; M.Phil, U. North Carolina Chapel Hill; Ph.D., U.T. Medical Branch.

**Greg G. Lewallen, M.A., Lecturer in Art. (2015)**

B.F.A., Baylor U.; M.A., Savannah College of Art and Design.

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B.M., Manhattan School of Music; M.M., *ibid*.

**Yang Li, Ph.D., Associate Professor of Electrical and Computer Engineering. (2011)**

B.S., U. of Science and Technology of China; M.S., U. of Texas; Ph.D., U. of Texas.

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B.A., Santa Clara U.; Ph.D., Texas A&M U.

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B.S., U. of Rochester; Ph.D., Cornell U.

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B.S., William Peterson U.; M.S., Columbia U.; Ph.D., U. of Texas, Arlington.

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B.S. Northwestern U.; M.B.A., The Claremont Graduate School; Ph.D., Rutgers U.

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B.S., Beijing U. of Aero. & Astro.; Ph.D., U. of Florida.

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B.S.C., U. of Western Ontario; M.A., *ibid*; Ph.D., Pennsylvania State U.

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B.S., U. of Nevada-Reno; M.S., *ibid*; Ph.D., Purdue U.

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B.A., Howard Payne U.; M.Div., Southwestern Baptist Theological Seminary; M.A., Naval Postgraduate School; Ph.D., Baylor U.

**Kara Long, M.S.I.S., Assistant Librarian and Metadata & Catalog Librarian. (2013)**

B.A., Hollins U.; M.A., U. of Texas at Austin; M.S.I.S., *ibid*.

**Bruce W. Longenecker, Ph.D., Professor of Religion and The W. W. Melton Chair in Religion. (2009)**

B.A., Wheaton College; M.Rel., The U. of Toronto; Ph.D., U. of Durham.

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B.A., Universidad Internacional para la Integración de la América Latina; M.A., Arizona State U.; M.A., The Ohio State U.; Ph.D., *ibid*.

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B.A., Baylor U.; M.S.W., *ibid*.

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B.S., Baylor U.; Ph.D., U. of South Carolina, Columbia.

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B.A., Gallaudet U.; M.S., Lamar U.; Ed.D., Northern Illinois U.

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B.A., Baylor U.; M.A., U. of Houston; Ph.D., U. of Texas.

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B.Comm., U. of Windsor; Ph.D., U. of Florida.

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B.Sc., Monterrey Institute of Technology; M.Sc., Stanford U.; Ph.D., Purdue U.

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B.A., Baylor U.; M.S.W., *ibid*; Ph.D., U. of Texas

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B.S., Southwest Texas State U.; M.S., Baylor U.; Ph.D., *ibid*.

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B.A. and M.P.A., California State U.; M.A., U. of California; Ph.D., U. of Texas at Austin.

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B.A., Ohio Northern U.; M.B.A., U. of Cincinnati; Ph.D., Louisiana State U. Baton Rouge.

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B.S., U. of Northern Iowa; M.B.A., Iowa State U.; Ph.D., *ibid*.

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B.S., Universidad Central de Venezuela; Ph.D., Indiana U.

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B.A., Ball State U.; M.A., Indiana U.

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B.S., Tarleton State U.; M.S., Baylor U.; Ph.D., Texas A&M U.

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B.S.Ed., Miami U.; M.S., *ibid*; M.A.T.S., Gordon-Conwell Theological Seminary; M.A., Boston College; Ph.D., U. of Cincinnati College of Medicine; Ph.D., Boston College.

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B.M., U. of Denver; M.M., U. of Texas; D.M.A., *ibid.*

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B.S., Rose-Hulman Institute of Technology; M.S., *ibid.*; Ph.D., Texas Tech U.

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B.A., St. Benedict's College; M.S., Iowa State U.; Ph.D., *ibid.*

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B.A., Louisiana Tech U.; M.M., Southeastern Louisiana U.; Ph.D., Louisiana State U.

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B.A., U. of Maryland; M.A., U. of Texas at Austin; M.A., Baylor U.

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B.S.W., Baylor U.; M.S.W., *ibid.*; Ph.D., Texas Woman's U.

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B.S., Lamar U.; M.S., Baylor U.; Ed.D., *ibid.*

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B.A., Saint Michael's College; M.A.L.S., Georgetown U.; Ph.D., Lesley U.

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B.S., U. of Edinburgh; Ph.D., *ibid.*

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B.S., William Jewell College; M.M., Southwestern Baptist Theological Seminary; Ph.D., U. of North Texas.

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B.A., Baylor U.; M.S., Florida State; Ph.D., U. of Michigan

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B.S., Baylor U.; M.S., Oklahoma State U., Stillwater; Ph.D., Texas A&M U.

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B.S., Clemson U.; M.S., Virginia Polytech; Ph.D., *ibid.*

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B.A., Southwest Baptist U.; M.A., U. of Washington; Ph.D., *ibid.*

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B.A., Judson College; M.Div., Duke University Divinity School; Th.M., *ibid.*; Ph.D., *ibid.*

**Alexander J. McNair, Ph.D., Associate Professor of Spanish. (2014)**  
B.A., U. of Texas; M.A., *ibid.*; Ph.D., *ibid.*

**Lacy G. McNamee, M.A., Associate Professor in Communication and Graduate Program Director. (2008-2010<sup>1</sup>), (2010)**  
B.A., Baylor U.; M.A., *ibid.*; Ph.D., U. of Texas.

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Ph.D., Tulane U.

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B.S., University of Texas at Austin; M.S.Ed., Baylor University; Ph.D., *ibid.*

**Todd Meehan, D.M.A., Associate Professor of Percussion. (2003)**  
B.M., U. of Texas, Austin; M.M., Yale U.; D.M.A., U. of Texas-Austin.

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Ph.D., Texas A&M U.

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B.S. U. of South Alabama; M.S., Texas A&M U.; Ph.D., *ibid.*

**F. Carson Mencken, Ph.D., Professor and Chair of Sociology. (2002)**  
B.S., College of Charleston; M.A., Louisiana State U.; Ph.D., *ibid.*

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B.S., Louisiana State U.; M.S., *ibid.*

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B.S.N., Baylor U.; M.S.N., *ibid.*

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B.S., Bridgegewater State College; M.A., U. of Montana; Ph.D., U. of Illinois Urbana-Champaign.

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B.B.A., Northwood U.; Ph.D., Michigan State U.

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B.A., California State U.; M.S., Auburn U.; Ph.D., *ibid.*

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B.S., U. of Houston; M.S.Ed., Baylor U.; Ph.D., *ibid.*

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Ph.D., Baylor U.

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B.M., Baylor U.; M.M., U. of North Texas; Ph.D., *ibid.*

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B.B.A., College of William and Mary; Ph.D., Emory U.

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B.A., U. Notre Dame; M.A., U. Virginia; Ph.D., *ibid.*

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B.S., West Chester State College; M.Ed., U. of Pittsburgh; Ph.D., U. of New Mexico.

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B.S., Seoul National U.; Ph.D., U. of Washington.

**Robert C. Miner, Ph.D., Professor of Philosophy in the Honors College. (2002)**  
B.A., Rice; M.A., U. of Notre Dame; Ph.D., *ibid.*

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B.A., Duke U.; M.B.A., Stanford U.; Ph.D., Texas A&M U.

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B.S., U. of Bucharest; Ph.D., U. of Minnesota.

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B.S., U. of Bucharest; Ph.D., U. of Minnesota.

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B.A., Auburn U. at Montgomery; M.S., U. of Montevallo; SLP.D., Nova Southeastern U.

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B.S., Texas Lutheran U.; M.S., Baylor U.; Ph.D., *ibid.*

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B.M., Baylor University; M.M., *ibid.*

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B.M.E., U. of North Carolina-Greensboro; M.M., Kansas State U.; D.M.A., U. of South Carolina

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B.M., U. of Missouri-KC; M.M., U. of Houston; D.M.A., Ohio State U.

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B.A., Texas A&M U.; M.S.Ed., Baylor U.; M.A., *ibid.*; Ph.D., U. of Texas.

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B.A., Korea Baptist Theological University; M.Div., *ibid.*; M.A., New Orleans Baptist Theological Seminary; M.S.W., Univ. of South Carolina; Ph.D., Univ. of Georgia.



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B.A., Texas A&M U.; M.A., Baylor U.

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B.A., Baylor U.; M.Div., Southern Baptist Theological Seminary; Ph.D., Baylor U.

**Luis X. Morera, Ph.D., Senior Lecturer in History. (2010)**

B.A., Sam Houston State U.; M.A., U. of Texas; Ph.D., U. of Minnesota.

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B.S., Clemson; M.S., Western Carolina U.; Ph.D., U. of South Carolina.

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B.S., Furman U.; Ph.D., U. of Texas.

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B.M., Eastman School of Music; M.M., U of Southern California; D.M.A., *ibid.*

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B.A. U. of Oklahoma; J.D., *ibid.*

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B.A., U. of Georgia; M.Div., Southern Baptist Theological Seminary; Ph.D., Baylor U.

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B.A., Northwestern U.; M.S.P.H., Tulane U.; M. Phil., Yale; Ph.D., *ibid.*

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B.A., Auburn U.; M.A., Princeton U.; Ph.D., *ibid.*

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B.A., U. of Mississippi; M.A., College of Charleston; Ph.D., U. of Alabama.

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B.A., Baylor U.; M.S.S.W., U. of Texas; Ph.D., *ibid.*

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B.A., Baylor U.; M.A., *ibid.*

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B.S.N., Baylor U.; M.S.N., U. of Texas, Arlington; Ph.D., U. of Texas at Tyler

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B.S., U. of Minnesota; M.B.A., U. of North Dakota and Kansas State U.; Ph.D., U. of Iowa.

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B.A., St. Peter's College; M.A., U. of New Hampshire; Ph.D., U. of Toronto.

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B.A., Samford U.; M.Div., Southern Baptist Theological Seminary; Th.M., International Baptist Theological Seminary in Rüslikon; Ph.D., U. of Zürich.

**Lee C. Nordt, Ph.D., Professor of Geosciences and Dean, College of Arts & Sciences. (1996)**

B.S., Texas A&M U.; M.S., *ibid.*; Ph.D., *ibid.*

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B.A., Trinity U.; M.A., Baylor U.; M.S.I.S., U. of Texas, Austin.

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B.A., U. of Pennsylvania; M.S., Air Force Institute of Technology; Ph.D., U. of North Carolina.

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B.A., U. Toronto; M.A., Brock U.; Ph.D., Fordham U.

**Bennie F.L. Ward, Ph.D., Distinguished Professor of Physics. (2003)**

B.S., Massachusetts Institute of Technology; M.A., Princeton U.; Ph.D., *ibid*.

**Lee A. Ward, Ph.D., Professor of Political Science. (2017)**

B.A., U. Toronto; M.A., Brock U.; Ph.D., Fordham U.

**Thomas M. Ward, Assistant Professor of Philosophy and Undergraduate Program Director. (2017)**

B.A., Biola U.; M.Phil., U. Oxford; Ph.D., U. California Los Angeles

**Zachary A. Ward, Ph.D., Assistant Professor of Economics. (2018)**

B.A., Wheaton College; Ph.D., U. of Colorado Denver.

**Daniel J. Watkins, Ph.D., Assistant Professor of History. (2017)**

B.A., U. Florida; M.A., *ibid*; Ph.D., Ohio State U.

**Adam Weaver, M.S., Clinical Assistant Professor of Electrical and Computer Engineering. (2020)**

B.S., Baylor U.; M.S., Air Force Institute of Technology

**C. Douglas Weaver, Ph.D., Professor of Religion, Undergraduate Program Director, Director of the Baptist Studies Center for Research, and Director of the J.M. Dawson Institute of Church-State Studies. (2003)**

B.A., Mississippi College; M.Div., The Southern Baptist Theological Seminary; Ph.D., *ibid*.

**Charles A. Weaver, III, Ph.D., Professor and Chair of Psychology and Neuroscience and Master Teacher. (1989)**

B.S., Baylor U.; M.A., U. of Colorado; Ph.D., *ibid*.

**William P. Weaver, Ph.D., Associate Professor of Literature in the Honors College. (2007)**

B.A., Vanderbilt U.; M.A., Columbia U.; Ph.D., *ibid*.

**Lauren M. Weber, M.F.A., Lecturer in Theatre Arts. (2014)**

B.M., U. of Oklahoma; M.M., Minnesota State U.; M.F.A., *ibid*.

**Sharon Weiner, Ph.D., Lecturer in German. (2019)**

B.S., Stanford U., M.P.H., Columbia U. in the City NY; M.S., *ibid*; Ph.D., U. of Illinois, Chicago.

**Nadine M. Welch, M.S., Clinical Assistant Professor. (2016)**

B.S., Baylor U.; M.S., *ibid*.

**James E. West, Ph.D., Professor of Economics and holder of The W. H. Smith Professorship in Economics. (2011)**

B.A., U. of Denver; M.A., U. of Michigan; Ph.D., *ibid*.

**Lynn Whitcomb, Ph.D., Senior Lecturer in Arabic. (2015)**

B.A., Kalamazoo College; M.A., Northwestern U.; Ph.D., *ibid*.

**David J. White, Ph.D., M.L.I.S., Senior Lecturer in Classics. (2004)**

B.A., U. of Akron; M.A., U. of Pennsylvania; M.L.I.S., Kent State U.; Ph.D., U. of Florida.

**Joseph D. White, Ph.D., Professor of Biology and Director of the Institute for Ecology, Earth and Environmental Sciences. (1998)**



B.A., Texas Christian U.; M.S., *ibid.*; Ph.D., U. of Montana.

**Michael R. Whitenon, Ph.D., Lecturer in the Baylor Interdisciplinary Core. (2020)**

B.S., Texas A&M U.; Th.M., Dallas Theological Seminary; Ph.D., Baylor U.

**David M. Whitford Ph.D., Professor of Religion. (2013)**

B.A., U. of Massachusetts; M.Div., Princeton Theological Seminary; Ph.D., Boston U.

**Jason A. Whitlark, Ph.D., Professor in Baylor Interdisciplinary Core and Religion, and Faculty Assistant Director of the Baylor Interdisciplinary Core in the Honors College. (2006<sup>1</sup>, 2007, 2008)**

B.S., Auburn U.; M.Div., Southwestern Baptist Theological Seminary; Ph.D., Baylor U.

**Jason D. Whitt, Ph.D., Senior Lecturer of Medical Humanities in the Honors Program, Faculty Steward of the Honors Residential College, and Faculty-in-Residence in Alexander Hall and Memorial Hall. (2018)**

B.A., Baylor U.; M.Div., Southwestern Baptist Theological Seminary; Ph.D., Baylor U.

**Michael P. Wiggs, Ph.D., Assistant Professor of Health, Human Performance, and Recreation, (2020)**

B.S., Texas A&M U.; Ph.D., *ibid.*

**Breanne Wilburn, M.S.N., Clinical Assistant Professor in Nursing. (2018)**

B.S.N., Liberty U.; M.S.N., U of Texas at Arlington

**Walter M. Wilcox, Ph.D., Professor of Physics. (1986)**

B.S., Southern Methodist U.; Ph.D., U. of California, Los Angeles.

**Stanley R. Wilfong, Jr., M.S., R.D., Senior Lecturer of Nutrition Sciences. (2013)**

B.S., Texas Tech U.; M.S., *ibid.*

**Trena L. Wilkerson, Ph.D., Professor of Curriculum and Instruction. (1999)**

B.S., Mississippi College; M.Ed., Southeastern Louisiana U.; Ph.D., U. of Southern Mississippi.

**Kenneth T. Wilkins, Ph.D., Professor of Biology and Associate Dean for Sciences, College of Arts & Sciences. (1983)**

B.S., U. of Texas, Arlington; M.S., Texas A&M U.; Ph.D., U. of Florida.

**Maj Rodney W. Wilkinson III, USAF, Assistant Professor of Aerospace Studies. (2019)**

B.A., Texas State U.

**Daniel H. Williams, Ph.D., Professor of Religion. (2002)**

B.A., Northeastern Bible College; M.A., U. of Toronto; M.Div., Trinity Evangelical Divinity School; Th.M., Princeton Theological Seminary; Ph.D., U. of Toronto.

**Danielle M. Williams, Ph.D., Senior Lecturer in English and Director of First-Year Writing.**

B.A., Azusa Pacific U.; Ph.D., Baylor U.

**Deborah K. Williamson, D.M.A., Associate Professor of Voice. (2000-2001<sup>1</sup>; 2001)**

B.M., Baylor U.; M.M., U. of Cincinnati, College-Conservatory of Music; D.M.A., U. of North Texas.

**Matthea S. Williams, Ed.D., Associate Clinical Professor of Health, Human Performance and Recreation. (2012)**

B.S., Gardner-Webb U.; M.S., Indiana State U.; Ed.D., Gardner-Webb U.

**Betsy B. Willis, M.Tax., Senior Lecturer in Accounting. (1985)**

B.A., Baylor U.; M.Tax., *ibid.*

**J. Eric Wilson, D.M.A., Associate Professor of Ensembles and Director of Bands. (2006)**

B.M.E., Abilene Christian U.; M.M., U. of Michigan; D.M.A., *ibid.*

**John E. Wilson, Ph.D., Clinical Professor of Educational Leadership. (2010)**

B.M., Hardin-Simons U.; M.M., Baylor U.; Ph.D., Texas A&M U.

**John S. Wilson, M.L.S., Associate Professor, Associate Dean of Special Collections, and Director of the Texas Collection. (1987)**

B.S., Bowling Green State U.; M.L.S., U. of South Carolina.

**Zachary D. Wingerd, Ph.D., Senior Lecturer in History. (2012)**

B.A., LeTourneau U.; M.A., U. of Texas, Arlington; Ph.D., *ibid.*

**Luke Winslow, Ph.D., Assistant Professor of Communication. (2020)**

B.A., Azusa Pacific U.; M.A., Cal State Fullerton; Ph.D., The U. of Texas at Austin.

**Dana Winters, M.A., Lecturer in Mathematics. (2019)**

B.A. Baylor U., M.A., Texas Woman's University.

**Andrew C. Wisely, Ph.D., Associate Professor of German. (2003)**

A.B., Wheaton College; M.A., Washington U.; Ph.D., *ibid.*

**Mary M. Witte, Ed.D., Senior Lecturer in Curriculum and Instruction. (1999)**

B.S., Baylor U.; M.S.Ed., *ibid.*; Ed.D., *ibid.*

**Jennifer Woo, Ph.D., Clinical Assistant Professor of Nursing. (2016)**

B.S.N., U. of Pennsylvania; M.S.N., *ibid.*

**John L. Wood, Ph.D., Robert A. Welch Distinguished Professor in Chemistry and CPRIT Scholar in Cancer Research. (2013)**

B.A., U. of Colorado; Ph.D., U. of Pennsylvania.

**Matthew S. Wood, Ph.D., Associate Professor and holder of the Robert M. and Louise Rogers Chair in Entrepreneurship. (2012)**

B.A., Eureka College; M.B.A., Bradley U.; Ph.D., Southern Illinois U.

**Ralph C. Wood, Ph.D., University Professor of Theology and Literature. (1998)**

B.A., East Texas State U.; M.A., *ibid.*; A.M., U. of Chicago; Ph.D., *ibid.*

**Randy M. Wood, Ph.D., Professor of Curriculum and Instruction. (1985)**

B.A., Baylor U.; M.Div., Southwestern Baptist Theological Seminary; M.Ed., Texas Christian U.; Ph.D., Baylor U.

**Sinai P. Wood, M.L.S., Associate Professor and Documents Librarian. (1990)**

B.B.A., Baylor U.; M.L.S., Texas Woman's U.

**Margaret E. Woody, Ph.D., Director of All Level Physical Education and Director of Health, Kinesiology, and Leisure Studies. (1976)**

B.S.Ed., Baylor U.; M.S.Ed., *ibid.*; Ph.D., U. of Tennessee.

**Rachel C. Woods, J.D., Clinical Assistant Professor in Management. (2015)**

B.A., Baylor U.; J.D., St. Mary's U. School of Law.

**William J. Worthington, Ph.D., Clinical Associate Professor of Entrepreneurship and Director of the Institute for Family Business. (2007)**



B.S., Texas A&M U.; M.B.A., Pennsylvania State U.; Ph.D., Texas A&M U.

**Alisha M. Wray, Ph.D., Clinical Assistant Professor and Clinic Director of Psychology and Neuroscience. (2017)**

B.A., U. of New Mexico; M.S., *ibid.*; Ph.D., *ibid.*

**J. Lenore Wright, Ph.D., Associate Professor in Baylor Interdisciplinary Core and Philosophy in the Honors College and Director of The Academy for Teaching and Learning. (1999-2003<sup>1</sup>, 2003)**

B.A., Morehead State U.; M.A., Baylor U.; Ph.D., State U. of New York, Buffalo.

**Michael W. Wright, M.B.A., Clinical Assistant Professor of Management. (2017)**

B.S., Friends UU; M.B.A., *ibid.*

**Lori B. Wrzesinski, M.S., Senior Lecturer in American Sign Language and Director of American Sign Language Programs. (1994)**

B.A., U. of Texas, Arlington; M.S., Baylor U.

**Ju-Chien (Cindy) Wu, Ph.D., Professor of Management. (2003)**

B.B.A., National Taiwan U.; M.B.A., National Sun Yat-Sen U.; M.A., U. of Illinois, Urbana-Champaign; Ph.D., *ibid.*

**Qinxi Wu, Ph.D., Assistant Professor of Finance. (2017)**

B.A., Nankai U.; M.Sc., *ibid.*; M.Sc., Georgia Institute of Technology; Ph.D., Georgia State U.

**Christopher Wynveen, Ph.D., Associate Professor of Health, Human Performance and Recreation. (2010)**

B.S., U. of Illinois-Urbana; M.S., Clemson U.; Ph.D., Texas A&M U.

**Betty Xing, Ph.D., Assistant Professor of Accounting & Business Law. (2020)**

B.B.A., Wilfred Laurier U.; B.Math, U. of Waterloo; M.Tax, *ibid.*; Ph.D. *ibid.*

**Jiaju (Justin) Yan, Ph.D., Assistant Professor of Entrepreneurship. (2020)**

B.A., U. of International Business and Economics, Beijing; M.B.A., Seton Hall U.; Ph.D., U. of Tennessee.

**Gaynor I. Yancey, D.S.W., Professor of Social Work and Master Teacher, Director of the Center for Church and Community Impact and Lake Family Endowed Chair in Congregational and Community Health. (1999)**

B.A., East Texas Baptist U.; M.R.E., Southwestern Baptist Theological Seminary; M.S.W., Temple U.; D.S.W., U. of Pennsylvania.

**George Yancey, Ph.D., Professor of Social Studies, Professor of Sociology. (2019)**

B.S., West Texas State U.; M.A., U. of Texas; Ph.D., *ibid.*

**Vincent Yang, Ph.D., Associate Professor of Chinese. (1996)**

B.A., National Taiwan U.; M.A., *ibid.*; M.A., Rutgers U.; Ph.D., *ibid.*

**Allison R. Yanos, M.L.S., Assistant Librarian and Catalog Librarian. (2006)**

B.A., U. of Notre Dame; M.L.S., Indiana U.

**Joe C. Yelderman, Jr., Ph.D., Professor of Geosciences, Director of Baylor's Wastewater Research Program, and Director for TIEEES. (1983)**

B.S., Baylor U.; M.S., *ibid.*; Ph.D., U. of Wisconsin.

**Kelly R. Ylitalo, Ph.D., Associate Professor of Epidemiology. (2016)**

B.A., Baylor U.; Ph.D., U. of Michigan.

**Alexandre Yokochi, Ph.D., Professor of Mechanical Engineering. (2017)**

B.S., Southern Illinois U.-Carbondale; M.S., *ibid.*; Ph.D., Texas A&M U.

**Hyunsoo Yoo, Ph.D., Assistant Professor in Communication Sciences and Disorders. (2019)**

B.A., Sangmyung U.; M.S., Hallym U.; Ph.D., U of Pittsburgh.

**Jeong-Ju Yoo, Ph.D., Associate Professor in Apparel Design and Merchandising. (2009)**

B.A., Seattle Pacific U.; A.A.S., Fashion Institute of Technology; M.A., Cornell U.; Ph.D., U. of Minnesota.

**Yang-Soo Yoon, Ph.D., Associate Professor of Communication Sciences and Disorders. (2018)**

B.S.E.C.E., Seoul National U. of Technology; M.S., Texas A&M U. Kingsville; Ph.D., U. Illinois Urbana.

**Terry W. York, D.M.A., Associate Professor of Christian Ministry and Church Music. (1998)**

B.A., California Baptist College; M.C.M., New Orleans Baptist Theological Seminary; D.M.A., *ibid.*

**Dean M. Young, Ph.D., Professor of Statistical Science. (1980)**

B.S., Texas Tech U.; M.S., Baylor U.; M.S., U. of Texas, Dallas; Ph.D., *ibid.*

**Philip D. Young, Ph.D., Clinical Associate Professor of Information Systems and Business Analytics. (2015)**

B.S., Baylor University; M.S., *ibid.*, Ph.D., *ibid.*

**Laurel E. Zeiss, Ph.D., Associate Professor of Musicology. (1999-2000<sup>1</sup>, 2000)**

B.M., Greensboro College; M.A., U. of North Carolina, Chapel Hill; Ph.D., *ibid.*

**Wen Zhang, Ph.D., Assistant Professor of Management. (2020)**

B.E., Nanchang U., Jiangxi, China; M.S., U. of Texas at Dallas; Ph.D., *ibid.*

**Zhenrong Zhang, Ph.D., Associate Professor of Physics. (2009)**

B.S., Lanzhou U.; M.S., *ibid.*, Ph.D., Institute of Physics, Chinese Academy of Science.

**Qianwei Zhao, Assistant Professor of Social Work. (2020)**

B.S., Shandong U. of Finance and Economics; M.S.W., U. of Pennsylvania; Ph.D., U. of Southern California Los Angeles.

**Paul W. Zinke, Ph.D., Senior Lecturer in Chemistry and Biochemistry. (2014)**

B.S. Texas A&M U., Commerce; M.S., *ibid.*, Ph.D., U. of Colorado.

**Colleen M. Zori, Ph.D., Senior Lecturer and Lab Coordinator in the Baylor Interdisciplinary Core in the Honors College. (2019)**

B.A., Stanford U.; M.A., U. of California, Los Angeles; Ph.D., *ibid.*

**Davide M. Zori, Ph.D., Associate Professor in the Baylor Interdisciplinary Core in the Honors College and Affiliated Faculty of the History Department. (2014)**

B.A., U. of Florida; M.A., U. of California, Los Angeles; Ph.D., *ibid.*

**Melody York Zuniga, M.S.W., Senior Lecturer and Associate Dean for Academic Affairs. (2009)**

B.A., Baylor U.; M.S.W., *ibid.*

**Carlos V. Zurita, Ph.D., Assistant Professor of Finance. (2016)**

B.S., U. Nacional de Cordoba; M.S., U. del CEMA; Ph.D., U. of Houston.

<sup>1</sup> Lecturer

## Emeriti Faculty

### **L. Joseph Achor, Ph.D., Associate Professor of Psychology and Neuroscience. (1978-2016)**

B.A., U. of California at Los Angeles; M.A., *ibid.*; Ph.D., U. of California at Irvine.

### **Bill T. Adams, Ph.D., Professor of Physics. (1962-2000)**

B.S., Baylor U.; M.S., *ibid.*; Ph.D., U. of Kansas.

### **Linda S. Adams, Ph.D., Professor of Political Science. (1990-2014)**

B.A., U. of South Carolina; M.A., *ibid.*; Ph.D., *ibid.*

### **A. Dale Allen, Ph.D., Professor of Management. (1978-2002)**

B.S., Indiana U.; M.B.A., *ibid.*; D.B.A., U. of Colorado; Ph.D., *ibid.*

### **Peter M. Allen, Ph.D.; Professor of Geosciences. (1978-2020)**

B.A., Denison U.; M.S., Baylor U.; Ph.D., Southern Methodist U.

### **Mark W. Anderson, M.F.A., Chair and Professor of Art. (2010-2020)**

B.F.A., U. of Nebraska; M.F.A., Wichita State U.

### **F. Michael Ard, D.M.A., Professor of Keyboard Studies. (1968-2000)**

B.M., Morningside College Conservatory of Music; M.M., Indiana U.; D.M.A., U. of Arizona.

### **David M. Arnold, Ph.D., Professor and the Ralph Jean Storm Professor of Mathematics. (1990-2015)**

B.A., Wichita State U.; M.A., Western Washington State U.; Ph.D., U. of Illinois.

### **Carolyn A. Backus, D.M.A., Professor of Vocal Studies. (1974-2006)**

B.M., U. of Illinois; M.S. Music, Juilliard School of Music; D.M.A., U. of Illinois.

### **Robert M. Baird, Ph.D., Professor of Philosophy, Master Teacher, and Cornelia Marschall Smith Distinguished Professor. (1960-1961, 1968-2014)**

B.A., Baylor U.; M.A., *ibid.*; Ph.D., Emory U.

### **Robert S. Baldrige, Ph.D., Professor of Biology. (1978-1980+; 1980-2019)**

B.S. Baylor U.; M.S., Kansas State U.; Ph.D., *ibid.*

### **James D. Bargainer, Ph.D., Professor and Dean of the School of Engineering and Computer Science. (1979-1999)**

B.S. (E.E.), Lamar U.; M.S. (E.E.), Northwestern U.; Ph.D. (E.E.), U. of Texas.

### **Lewis M. Barker, Ph.D., Professor of Psychology and Neuroscience. (1972-2000)**

B.A., Occidental College; M.A., Florida State U.; Ph.D., *ibid.*

### **Madalene R. Barnett, Ph.D., Professor of Communication Disorders. (1968-1985)**

B.S.Ed., State College, Indiana, Pa.; M.A., Ohio U.; Ph.D., *ibid.*

### **E. Jeter Basden, Ed.D., Professor of Religion. (1989-2017).**

B.A., Baylor U.; M.R.E., Southwestern Baptist Theological Seminary; Ed.D., U. of North Texas

### **Rosalie Beck, Ph.D., Associate Professor of Religion. (1984-2019)**

B.A., U. of California, San Diego; M.Div., Southwestern Baptist Theological Seminary; Ph.D., Baylor U.

### **Weldon E. Beckner, Ed.D., Professor of Educational Leadership. (1995)**

B.S., Wayland Baptist U.; M.Ed., Texas Tech U.; Ed.D., U. of Colorado.

### **John S. Belew, Ph.D., Professor of Chemistry and Provost Emeritus. (1956-1991)**

B.S., Baylor U.; M.S., Wichita State U.; Ph.D., U. of Wisconsin.

### **Helen E. Benedict, Ph.D., Professor of Psychology. (1981-2014)**

B.A., Connecticut College; Ph.D., Yale U.

### **Gregory A. Benesh, Ph.D., Professor of Physics. (1982 - 2020)**

B.A., Rice U.; M.S., Northwestern U.; M.S., Baylor U.; Ph.D., Northwestern U.

### **Barbara L. Bennett, Ph.D., Professor of Music Education. (1969-1996)**

B.M.E., Madison College; M.M., Baylor U.; Ph.D., U. of Texas.

### **Rena M. Bonem, Ph.D., Professor of Geosciences. (1981-2018)**

B.S., New Mexico Institute of Mining and Technology; M.S., *ibid.*; Ph.D., U. of Oklahoma.

### **Mary A. Booras, M.A., Associate Professor of Speech Communication. (1956-1995)**

B.S., Auburn U.; M.A., U. of Alabama.

### **Martha J. Bradshaw, Ph.D., Professor at Louise Herrington School of Nursing. (2004-2012)**

B.S.N., Baylor; M.S.N., U. of Texas; Ph.D., *ibid.*

### **Roger L. Brooks, Ph.D., Professor of English and Director of Armstrong Browning Library. (1984-1996)**

B.A., Baylor U.; M.A., U. of Illinois; Ph.D., U. of Colorado.

### **Ellen K. Brown, M.L.I.S., Associate Professor and Associate Director and Archivist of The Texas Collection. (1976-2010)**

B.S., Wayland Baptist College; M.A., Baylor U.; M.L.I.S., U. of Texas.

### **Lyle C. Brown, Ph.D., Professor of Political Science. (1963-1995)**

B.A., U. of Oklahoma; M.A., *ibid.*; Ph.D., U. of Texas.

### **Charlene S. Budd, Ph.D., Professor of Accounting and holder of the Emerson O. Henke Chair in Accounting. (1973-2005)**

B.B.A., Baylor U.; M.B.A., *ibid.*; Ph.D., U. of Texas.

### **Kenneth W. Busch, Ph.D., Professor of Chemistry. (1974-2010)**

B.S., Florida Atlantic U.; Ph.D., Florida State U.

### **Marianna S. Busch, Ph.D., Professor of Chemistry. (1977-2010)**

B.A., Randolph-Macon Woman's College; Ph.D., Florida State U.

### **Raymond J. Cannon, Jr., Ph.D., Professor of Mathematics. (1978, 1980-2013)**

A.B., College of the Holy Cross; Ph.D., Tulane U.

### **Michael N. Cassell, Ph.D., Associate Professor of Accounting. (1980-2008)**

B.S., Virginia Polytechnic Institute and State U.; M.S., *ibid.*; Ph.D., U. of Georgia.

### **Delton L. Chesser, Ph.D., Professor of Accounting and holder of The Roderick L. Holmes Chair of Accountancy. (1985-2005)**

B.B.A., U. of Texas; M.B.A., U. of North Texas; Ph.D., U. of Arkansas, Fayetteville.

### **Rinn M. Cloud, Ph.D., Professor and Chair of Family and Consumer Sciences and the Mary Gibbs Jones Endowed Chair of Textile Sciences. (2010-2020)**

B.S., Louisiana State U.; M.S., Purdue U.; Ph.D., U. of North Carolina, Greensboro.

**Linda R. Cobbs, M.L.S., Associate Professor and Access Services Librarian. (1973-2009)**

B.A., Texas Woman's U.; M.L.S., *ibid.*

**Lane G. Collins, D.B.A., Professor of Accounting and holder of The Price Waterhouse Faculty Fellowship for Teaching Excellence. (1971)**

B.B.A., Baylor U.; M.B.A., U. of Southern California; D.B.A., *ibid.*

**Patricia W. Cook, M.F.A., Professor of Theatre Arts. (1963-1999)**

B.A., Sul Ross State College; M.A., Columbia U.; M.F.A., U. of Texas.

**William F. Cooper, Ph.D., Professor of Philosophy. (1966-2003)**

B.A., Baylor U.; B.D., Southern Baptist Theological Seminary; M.A., Baylor U.; Ph.D., Indiana U.

**Bruce C. Cresson, Ph.D., Professor of Religion, The Dr. W. W. Melton Professor of Religion, Director of the University Scholars Program, Director of the Institute of Archaeology, and Director of the Institute of Biblical and Related Languages. (1966-2000)**

B.A., Wake Forest U.; B.D., Southeastern Baptist Theological Seminary; Th.M., *ibid.*; Ph.D., Duke U.

**Wallace L. Daniel, Jr., Ph.D., The Ralph L. and Bessie Mae Lynn Professor of History and The Cornelia Marschall Smith Distinguished Professor. (1971-2008)**

B.A., Baylor U.; M.A., U. of Texas; Ph.D., *ibid.*

**Mary Ellen Davenport, M.S., Assistant Professor of Nursing. (1970-1987)**

B.S.N., U. of Pittsburgh; M.S., Texas Woman's U.

**William V. Davis, Ph.D., Professor of English and Writer-in-Residence. (1977-2015)**

B.A., Ohio U.; M.A., *ibid.*; M.Div. Pittsburgh Theological Seminary; Ph.D., Ohio U.

**Robert T. Doty, Ph.D., Professor of Mechanical Engineering. (1987-2013)**

B.S., U. of Oklahoma; M.S., *ibid.*; Ph.D., *ibid.*

**Richard E. Duhrkopf, Ph.D., Associate Professor of Biology. (1984-2017)**

B.S., The Ohio State U.; M.S., *ibid.*; Ph.D., *ibid.*

**John A. Dunbar, Ph.D., Associate Professor of Geosciences. (1994-2020)**

B.S., Virginia Polytechnic Institute and State U.; M.S., *ibid.*; Ph.D., U. of Texas.

**Preston M. Dyer, Ph.D., Professor of Social Work. (1969-2009)**

B.A., Baylor U.; M.S.W., Louisiana State U.; Ph.D., Texas Woman's U.

**Donald R. Edwards, Ph.D., Professor of Management. (1981-2000)**

B.S., U.S. Military Academy, West Point; M.S., Rensselaer Polytechnic Institute; Ph.D., Arizona State U.

**Steven R. Eisenbarth, Ph.D., Professor and Associate Chair of Electrical and Computer Engineering. (1980-2013)**

B.S., College of Idaho; M.S., Baylor U.; Ph.D., *ibid.*

**David W. Eldridge, Ph.D., Professor of Biology. (1968-2011)**

B.S., Tennessee Technological U.; M.S., Auburn U.; Ph.D., *ibid.*

**Harry Elzinga, Ph.D., Professor of Musicology. (1981-2003)**

B.S., U. of Wisconsin, River Falls; M.M., Indiana U.; Ph.D., *ibid.*

**Elizabeth Farren, Ph.D., Professor of Nursing. (1981-2011)**

B.S.N., Northern Illinois U.; M.S.N., U. of Tennessee, Knoxville; Ph.D., U. of North Texas.

**Donald R. Farris, Ph.D., Professor of Electrical and Computer Engineering. (1988-2009)**

B.S.E.E., Texas Tech U.; M.S.E.E., Southern Methodist U.; Ph.D., *ibid.*

**Lawrence G. Felice, Ph.D., Professor of Sociology. (1970-2005)**

A.B., Washington U.; B.D., Eden Theological Seminary; M.A., State U. of New York; Ph.D., Cornell U.

**John C. Flynn, Ph.D., Professor of Psychology and Neuroscience. (1963-1996)**

B.S., Pennsylvania State U.; M.A., Ohio State U.; Ph.D., *ibid.*

**Donald L. Gaitros, Ph.D., Professor and Chair of Computer Science. (1973-2011)**

B.S. Western Illinois U.; M.S., U. of Missouri, Rolla; Ph.D., *ibid.*

**Linda F. Garner, Ph.D., Professor of Nursing. (1970-1974, 1976-2010)**

B.S.N., Baylor U.; M.S.N., U. of Minnesota; Ph.D., U. of North Texas.

**Frederick R. Gehlbach, Ph.D., Professor of Biology. (1963-1995)**

B.A., Cornell U.; M.S., *ibid.*; Ph.D., U. of Michigan.

**Sandra J. Genrich, Ph.D., Professor of Nursing. (1981-2000)**

B.S.N., Wayne State U.; M.S.N., *ibid.*; Ph.D., U. of Texas, Arlington.

**William K. Ghee, Ph.D., Professor of Finance and Insurance. (1981-1997)**

B.S., U. of Kentucky; M.B.A., Syracuse U.; Ph.D., U. of Pennsylvania.

**L. Kent Gilbreath, Ph.D., Professor of Economics. (1973-2011)**

B.A., Baylor U.; M.A., *ibid.*; Ph.D., U. of Florida.

**Norman L. Gilchrest, Ed.D., Professor Health, Human Performance and Recreation. (1995-2001)**

B.S., Baylor U.; M.S., *ibid.*; Ed.D., *ibid.*

**Elizabeth S. Githens, M.A., Professor of English. (1945-1969)**

B.A., Blue Mountain College; M.A., Baylor U.

**Thomas T. Goforth, Ph.D., W. M. Keck Foundation Professor of Geophysics. (1987-2007)**

B.S., Baylor U.; M.A., U. of Texas; Ph.D., *ibid.*

**Clement T. Goode, Ph.D., Professor of English. (1957-1997)**

B.A., Hendrix College; M.A., Vanderbilt U.; Ph.D., *ibid.*

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B.A., Case Western Reserve U.; M.L.S., U. of North Texas; Ph.D., U. of North Texas.

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B.S., Baylor U.; M.S., Texas Woman's U.; Ph.D., *ibid.*

**D. Thomas Hanks, Jr., Ph.D., Professor of English and Master Teacher. (1976-2017)**

B.A., Washington U.; M.A., *ibid.*; Ph.D., U. of Minnesota.

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B.S. Texas Tech U. *ibid.*; M.S., *ibid.*; Ph.D., Texas A&M U.

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B.F.A., U. of Illinois; M.A., *ibid.*; Ed.D., U. of North Texas.

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B.S., Texas A&M U.; M.S., *ibid.*; Ph.D., *ibid.*

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B.A., New Mexico Highlands U.; M.A., *ibid.*; M.F.A., Cranbrook Academy of Art.

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B.M., Indiana U.; M.M., *ibid.*

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B.S.N., Valdosta State U.; M.S.N., Troy State U.; D.S.N., U. of Alabama, Birmingham.

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B.A., Wichita State U.; B.D., Yale U.; M.A., Wichita State U.; Ph.D., Yale U.

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**Richard Shanley, D.M.A., Professor of Music. (1969-2011)**

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B.A., Southwest Texas State U.; M.S.L.S., Columbia U.; Ph.D., U. of Iowa.

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B.A., Mississippi College; M.A., Vanderbilt U.; Ph.D., *ibid*.

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B.A., Baylor U.; M.A., *ibid*; Ph.D., Rice U.

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B.A., Michigan State U.; J.D., U. of Virginia.

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B.S., Louisiana State U.; M.S., *ibid*; Ph.D., *ibid*.

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B.F.A., U. of Texas; M.F.A., Cornell U.

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B.M., Peabody Conservatory of Music; M.M., *ibid*; D.M., Florida State U.

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B.S., East Carolina U.; M.A., *ibid*; Ph.D., U. of South Florida.

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- 2021-22 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2021-2022\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2021-2022_Catalog_ug.pdf))
  - Addendum: *Fall 2021 Accelerated ABSN Program Cohort 3*
  - Addendum: *Spring 2022 Updated Policy for Cancellations, Drops, and University Withdrawals*
- 2020-21 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2020-2021\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2020-2021_Catalog_ug.pdf))
  - Addendum: *BSA Cost Estimate*
  - Addendum: *AIRP Course Description*
  - Addendum: *Spring 2021 BSA Cost Estimate*

### Fall 2010 - Spring 2020

- 2019-20 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2019-20\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2019-20_Catalog_ug.pdf))
  - Addendum: (<https://www.baylor.edu/registrar/doc.php/336338.pdf>) Course descriptions for 2019-2020 effective Summer 2019 ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2019-2020\\_Addendum\\_Course\\_descriptions\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2019-2020_Addendum_Course_descriptions_ug.pdf))
  - Addendum: *BSA Cost Estimate*
  - Addendum: *AIRP Course Description*
- 2018-19 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2018-19\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2018-19_Catalog_ug.pdf))
  - Addendum: *Intrauniversity Programs section within the College of Arts and Sciences Page 135 - ECONOMICS*
  - Addendum: *Registration Policies and Procedures section within the General Information Page 28 - Registration Policies and Procedures*
  - Addendum: *calendar page 13 of the 2018-19 undergraduate catalog*

- Addendum: *BSA Cost Estimate*
- Addendum: *AIRP Course Description*
- 2017-18 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2017-18\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2017-18_Catalog_ug.pdf))
  - Addendum: *Hankamer School of Business section - BUSINESS ADMINISTRATION MINOR*
- 2016-17 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2016-2017\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2016-2017_Catalog_ug.pdf))
- 2015-16 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2015-2016\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2015-2016_Catalog_ug.pdf))
- 2014-15 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2014-2015\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2014-2015_Catalog_ug.pdf))
- 2013-14 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2013-2014\\_Catalog\\_ug\\_1\\_.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2013-2014_Catalog_ug_1_.pdf))
- 2012-13 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2012-2013\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2012-2013_Catalog_ug.pdf))
- 2011-12 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2011-2012\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2011-2012_Catalog_ug.pdf))
- 2010-11 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2010-11\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2010-11_Catalog_ug.pdf))
  - Addendum: *Course Listing section (ENV 4373, ENV, 4104, and FCS 3391)*

### Fall 2002 - Spring 2010

- 2009-10 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2009-10\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2009-10_Catalog_ug.pdf))
  - Addendum: *School of Education Health Science Majors* (<https://www.baylor.edu/content/services/document.php/184746.pdf>)
  - Addendum: *College of Arts & Sciences - Majors and Minors in Astronomy and Astrophysics - Department of Physics*
- 2008-09 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2008-09\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2008-09_Catalog_ug.pdf))
- 2007-08 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2007-08\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2007-08_Catalog_ug.pdf))
- 2006-07 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2006-07\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2006-07_Catalog_ug.pdf))
- 2005-06 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2005-06\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2005-06_Catalog_ug.pdf))
- 2004-05 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2004-05\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2004-05_Catalog_ug.pdf))
- 2003-04 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2003-04\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2003-04_Catalog_ug.pdf))

- 2002-03 Undergraduate Catalog ([https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2002-03\\_Catalog\\_ug.pdf](https://catalog.baylor.edu/undergraduate/undergraduate-archived-catalogs/2002-03_Catalog_ug.pdf))



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