

2021-2022

UNDERGRADUATE CATALOG



COLLEGE OF ARTS & SCIENCES • HANKAMER SCHOOL
OF BUSINESS • SCHOOL OF EDUCATION • SCHOOL OF
ENGINEERING AND COMPUTER SCIENCE • ROBBINS
COLLEGE OF HEALTH AND HUMAN SCIENCES • HONORS
COLLEGE • SCHOOL OF MUSIC • LOUISE HERRINGTON
SCHOOL OF NURSING • DIANA R. GARLAND SCHOOL OF
SOCIAL WORK • INTERDISCIPLINARY PROGRAMS AND
ACADEMIC RESOURCES



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 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 (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>.

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.fafsa.gov. Incoming students interested in consideration for university need-based scholarships should complete the CSS Profile online at www.cssprofile.org during their incoming year. Visit the Student Financial Aid Office website at 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

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.

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.

BOARD OF REGENTS

Jennifer Walker Elrod
Michael A. Evans, Sr.
Sarah Gahm
Shelley Giglio
James Cary Gray
Kristina "Krissey" Doerner Guidi
Larry P. Heard
Dan Hord, III
Paula R. Hurd
Neal Jeffrey
Mark E. Lovvorn
Katie Jo Lunningham
Rene Maciel
Jill Manning
William "Bill" E. Mearse

Michael McFarland
Melissa Purdy Mines
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Todd A. Reppert
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Sher Isada
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Regents as of June 1, 2021

ADMINISTRATION

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Douglas V. Henry, B.A., M.A., Ph.D.	Dean, Honors College
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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., LL.M.	Dean, School of Law

Vice Provosts

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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
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Sinda Vanderpool, B.A., M.A., Ph.D.....	Associate Vice Provost for Academic Enrollment Management

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..... Dean for Student Learning and Engagement
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.....Executive Director for Counseling Services
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Elizabeth D. Palacios, B.A., M.S.Ed., Ph.D.Dean for Student Development

Campus Safety

Mark Childers, B.S., M.S..... Associate Vice President - Public Safety and Security
Brad Wigtil, B.A., M.S. Chief of Police

ACCREDITATIONS AND MEMBERSHIPS

Baylor University consists of 12 colleges and schools, with Waco being the main campus. Other instructional sites are located in Austin, Dallas, and Houston. Several other locations in Texas and the U.S. are associated with military partnerships (El Paso, Fort Sam Houston, Ft. Hood, Tacoma, Washington, and West Point, New York).

Baylor University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award bachelor's, master's, specialist, and doctor's degrees. Individuals who wish to contact the Commission on Colleges pertaining to the accreditation status of the University may write the Commission at 1866 Southern Lane, Decatur Georgia 30033-4097, or call at (404) 679-4501. In addition, the University and its schools and departments are accredited by, and/or hold membership in, the following organizations:

General

- 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
 - Council of Colleges of Arts and Sciences
 - Phi Beta Kappa
- Hankamer School of Business
 - Accredited by the AACSB International – The Association to Advance Collegiate Schools of Business
 - Beta Gamma Sigma
- School of Education
 - The American Association of Colleges for Teacher Education
 - Council for the Accreditation of Educator Preparation
 - Program Accreditation by the State Board for Educator Certification
 - Kappa Delta Pi
- School of Engineering and Computer Science
 - Computer Science: B.S.C.S. degree accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET)
 - Engineering: Electrical and Computer Engineering, Engineering, and Mechanical Engineering programs accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET)
- Graduate School
 - The Council of Graduate Schools
 - The Association of Texas Graduate Schools
 - The Conference of Southern Graduate Schools
 - The Midwestern Association of Graduate Schools
- Robbins College of Health and Human Sciences
 - Society for Public Health Education-American Association for Health Education
- School of Law
 - The Association of American Law Schools
 - Accredited by the American Bar Association
- School of Music
 - Accredited by The National Association of Schools of Music
 - The Texas Association of Music Schools
 - Pi Kappa Lambda

Louise Herrington School of Nursing

Accredited by the Commission on Collegiate Nursing Education and the Texas State Board of Nurse Examiners

The Southern Regional Education Board, Council on Collegiate Education for Nursing

The American Association of Colleges of Nursing

Diana R. Garland School of Social Work

Accredited by the Council on Social Work Education

George W. Truett Theological Seminary

The Association of Theological Schools

Departments and Programs

American Mathematical Society

American Studies: Member, The American Studies Association and The American Studies Association of Texas

Art & Art History: Texas Association of Schools of Art

American Alliance of Museums

Association of Academic Museums and Galleries

Museum Association of Waco

National Council of Arts Administrators

Texas Association of Museums

Association for Women in Mathematics

Athletic Training: accredited by the Commission on Accreditation of Athletic Training Education

Aviation Sciences: Member, The University Aviation Association

Chemistry: Approved by the American Chemical Society

Child and Family Studies accredited by the National Association for the Education of Young Children

Communication Sciences and Disorders: Accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association

Community Health: SABPAC (SOPHE-AAHE Baccalaureate Program Approval Committee)

English: Modern Language Association

The English Institute

Association of Writers and Writing Programs

Friends of Cambridge University Library

Environmental Health Science: Association of Environmental Health Academic Programs (AEHAP)

Bachelor of Science in Environmental Health Science is accredited by The National Environmental Health Science and Protection Accreditation Council (EHAC).

Graduate Program in Health Care Administration: Approved by the Commission on Accreditation of Healthcare Management Education

Interior Design: Accredited by the Council for Interior Design Accreditation

Journalism, Public Relations and New Media: Accredited by the Accrediting Council on Education in Journalism and Mass Communication

Graduate Program in Physical Therapy: Accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association

Mathematical Association of America

Mathematical Sciences Research Institute

Modern Languages and Cultures: Member, Association of Departments of Foreign Languages;

Modern Language Association and South Central Modern Language Association

Nutrition Sciences: Accredited by the Accreditation Council for Education in Nutrition and Dietetics

Political Science: American Political Science Association

Psychology: Program in Clinical Psychology (Psy.D. Degree) accredited by American Psychological Association

Religion: Baptist History and Heritage; Hispanic Theological Initiative Consortium; National Association of Baptist Professors of Religion (NABPR); Southwest Commission on Religious Studies

Theatre Arts: accredited by the National Association of Schools of Theatre

2021 – 2022 ACADEMIC CALENDAR

Fall 2021/Spring 2022/Summer 2022

FALL SEMESTER — August 23 - December 16

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|-----------|--|
| June | 1— Apply for alternative loans by this date for upcoming fall/spring semesters. Most alternative loans require 4-6 weeks of processing time. You should determine your eligibility and apply prior to bills being sent to allow adequate processing time. |
| July | 1— Fall Financial Settlement begins. View charges and make payment online at www.baylor.edu/ebill . Students are required to confirm attendance and financial responsibility online at www.baylor.edu/bearweb .
31— Fall Financial Settlement due date. A \$100 late fee will be charged if financial settlement is not complete (payments must be received) by the due date. |
| August | 15— Starting at 1:00 p.m., approved early move-in begins.
18-19— Designated halls open for fall semester. Specific information posted on the Move2BU website.
20— Returning student move-in
23— Classes begin for Fall semester.
25— Last day for graduating seniors to file for December graduation with their respective deans.
25— Last day for credit by examination in enrolled courses.
27— Last day to register or add a class. |
| September | 6— Labor Day Holiday (no classes). Residence halls remain open.
8— Students that withdraw from the University after this day will receive a notation of W (Withdrawal) on their transcript in all classes (through November 2).
8— Classes dropped after this day will be recorded as W (Withdrawal) on the transcript (through November 2).
8— Last day to drop a class without advisor approval.
25— Family Weekend
27— The Academic Progress Campaign reporting period begins for students with substandard academic performance. |
| October | 1— FAFSA and CSS Profile available for upcoming academic year. FAFSA is available at studentaid.gov , and CSS Profile at cssprofile.org . (ONLY incoming students need to submit CSS Profile unless otherwise directed.)
6— Deadline for students to submit transcripts for inclusion in registration time-ticket assignment for Spring 2022.
10— Academic Progress reporting period for Fall 2021 must be completed by 5:00 p.m.
16— Homecoming
20— Registration time-tickets viewable on BearWeb. |
| November | 1— Apply for alternative loans by this date for upcoming Spring term, if not already completed during the fall term. Most alternative loans require 4-6 weeks of processing time. You should determine your eligibility and apply prior to bills being sent to allow adequate processing time.
2— Last day on which a student may drop a class for the semester.
2— Last day on which a student may withdraw from the University for the semester.
3-19— Spring 2022 Early Registration through BearWeb (tentative dates).
19-28— Residence halls and apartments remain open. Limited residential services begin at 6:00 p.m.
20-28— Thanksgiving holidays, (Saturday through Sunday).
28— Limited residential services end. Full Services begin at 1:00 p.m.
30— Spring housing cancellation deadline to avoid cancellation fee (for December graduates, transfers, withdrawals, study abroad) due by 4:00 p.m. |
| December | 3— Last day for completion of correspondence courses to apply toward December graduation.
3— Last day for removal of incomplete grades.
8— Last day of classes for the Fall semester.
9-10— Study days.
11; 13-16— Final examinations (includes Saturday, December 11).
17— Residence halls close for fall semester at 12:00 p.m.
17— Grades due for graduating students at 12noon; grades due for all other students at 5:00 p.m. |

- 17—Administrative check on candidates for graduation.
- 18—Commencement at Ferrell Center, information available at:
www.baylor.edu/commencement
- 18—Residence halls close at 2:00 p.m. for graduating seniors.

WINTERMESTER - December 27 - January 14

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|----------|--|
| December | 26—Last day to add or register for a Wintermester course |
| | 27—Wintermester classes begin |
| | 28—Last day to drop a Wintermester course without advisor approval |
| January | 1—Holiday (Saturday) |
| | 7—Last day to drop or withdraw from Wintermester |
| | 14—Wintermester classes end/final exams |

SPRING SEMESTER — January 18- May 12

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| December | 2—Spring Financial Settlement begins. View charges and make payment online at www.baylor.edu/ebill . Students are required to confirm attendance and financial responsibility online at www.baylor.edu/bearweb . |
| | 17—Spring Financial Settlement due date. A \$100 late payment fee will be charged if financial settlement is not complete (payments must be received) by the due date. (Baylor University will be closed December 23-January 1 for the holidays.) |
| January | 9—Residence halls open at 3:00 p.m. for students participating in Panhellenic recruitment. |
| | 13—Residence halls open at 9:00 a.m. for new and returning students for spring semester. |
| | 17—Martin Luther King, Jr. Holiday. All residence halls remain open. |
| | 18—Class sessions begin for Spring Semester. |
| | 21—Last day for graduating seniors to file for May graduation with their respective deans. |
| | 21—Last day for credit by examination in enrolled courses. |
| | 24—Last day to register or add courses. |
| February | 1—Priority date for completing the FAFSA to receive financial aid for the upcoming academic year. |
| | 2—Students that withdraw from the University after this day will receive a notation of W (Withdrawal) on their transcript in all classes (through April 4) |
| | 2—Classes dropped after this day will be recorded as a W (Withdrawal) on the transcript (through April 4). |
| | 2—Last day to drop a class without advisor approval. |
| | 14—The Academic Progress Campaign reporting period begins for students with substandard academic performance. |
| | 23—Deadline for students to submit transcripts for inclusion in registration time-ticket assignment for Summer/Fall 2022. |
| | 27—Academic Progress reporting for Spring 2022 must be submitted by 5:00 p.m. |
| March | 4-13—All living areas remain open. Limited front desk residential service begins at 6:00 p.m. |
| | 5-13—Spring break. |
| | 13—Limited front desk residential services end. Full services begin at 1:00 p.m. |
| | 16—Registration time-tickets viewable on BearWeb |
| April | 1—Summer Housing applications open |
| | 4—Last day on which a student may drop a class for the semester. |
| | 4—Last day on which a student may withdraw from the University for the semester. |
| | 5—Diadeloso |
| | 6-22—Summer and Fall 2022 Early Registration through BearWeb (tentative dates) |
| April | 15—All living areas remain open. Limited front desk residential service begins at 6:00 p.m. |
| | 15-18—Easter holidays. |
| | 18—Limited front desk residential services end. Full services begin at 1:00 p.m. |
| May | 1—Priority date for completing any verification and/or conflicting information requirements (if applicable) to receive financial aid for the upcoming academic year. |
| | 5—Last day for completion of correspondence courses to apply toward May |

- graduation.
- 5—Last day for removal of incomplete grades.
- 5—Last day of classes for the Spring semester.
- 6—Study day.
- 7;9-12—Final examinations (includes Saturday, May 7).
- 13—Residence halls close at 12:00 p.m. for all residents
- 13—Grades due for graduating students at 12noon; grades due for all other students at 5:00 p.m.
- 13—Administrative check on candidates for graduation.
- 13-14—Commencement, Ferrell Center, information available at: www.baylor.edu/commencement.
- 14—Residence halls close at 2:00 p.m. for spring graduating seniors.

SUMMER SEMESTER 2022

Invoice and Graduation — Summer

- | | |
|--------|---|
| March | 15 - Apply for alternative loans by this date for the summer term(s). Most alternative loans require 4-6 weeks of processing time. You should determine your eligibility and apply prior to bills being sent to allow for adequate processing time. |
| April | 21—Summer Financial Settlement begins. View charges and make payment online at www.baylor.edu/ebill . Students are required to confirm attendance and financial responsibility online at www.baylor.edu/bearweb . |
| May | 16—Summer Financial Settlement due date. A \$100 late fee will be charged if financial settlement is not complete (payments must be received) by the due date. |
| | 31—Last day for graduating seniors to file for August graduation with the respective deans. |
| August | 4—Correspondence courses must be completed by this date for August graduation. |
| | 4—Incomplete courses must be completed by this date for credit for August graduation. |
| | 12—Administrative check on candidates for graduation. |
| | 13—Truett Seminary Commencement |
| | 13—Commencement, Ferrell Center, information available at www.baylor.edu/commencement . |
| | 13—Residence halls close at 2:00 p.m. for summer graduating seniors. |

Minimester — May 16 - June 2

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|------|---|
| May | 15—Last day to register for Minimester through BearWeb . |
| | 16—Class sessions begin for Minimester. |
| | 17—Students that withdraw from the University for the Minimester session after this date will receive a notation of W (Withdrawal) on their transcript in all classes (through May 25). |
| | 17—Classes dropped after this date for the Minimester session will be recorded as a W (Withdrawal) on the transcript (through May 25). |
| | 17—Last day to drop a class without advisor approval. |
| | 13—Residence Halls open at 1:00 p.m. for students with current spring booking |
| | 16—Minimester housing begins for off-campus students. |
| | 25—Last day on which a student may drop a class for the Minimester session. |
| | 25—Last day on which a student may withdraw from the University for the Minimester session. |
| | 30—Memorial Day Holiday |
| June | 2—End of Minimester; final examinations for Minimester. |
| | 2—Residence halls close at 10:00 p.m. for May Minimester residents. |
| | 2 - Residence halls open at 1:00 p.m. for Full Summer Session students |
| | 3—Minimester grades due at 5:00 p.m. |

Full Summer Session — June 3 - August 12

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| June | 2—Residence Halls open at 1:00 p.m. for Full Summer Session residents. |
| | 3—Classes for Full Session begin. |
| | 3—Late registration begins. |
| | 10—Last day to register or add courses for the Full Summer Session. |
| | 14—Students that withdraw from the University for the Full Summer Session after this day will receive a notation of W (Withdrawal) on their transcript in all classes (through July 22). |

	14—Classes dropped after this day for the Full Summer Session will be recorded as a W (Withdrawal) on the transcript (through July 22).
	14—Last day to drop a class without advisor approval.
July	4—Independence Day Holiday (Monday)
	22—Last day on which a student may drop a class for the Full Summer Session.
	22—Last day on which a student may withdraw from the University for the Full Summer Session.
August	12—End of Full Summer Session; final examinations for Full Summer Session.
	12—Residence Halls close at 10:00 p.m. for Full Summer Session residents.
	12—Grades due for Graduation candidates at 10:00 a.m.; due at NOON for all other students.
	12—Administrative check on candidates for graduation.
	13—Commencement, Ferrell Center, information available at www.baylor.edu/commencement .
	13—Residence Halls close at 2:00 p.m. for summer graduating seniors.
Session I — June 3- July 8	
June	2—Residence halls open at 1:00 p.m. for Session I residents
	3—Classes for Session I begin.
	3—Late registration begins.
	7—Last day to register or add courses for Session I.
	7—Last day for credit by examination in enrolled courses.
	8—Students that withdraw from the University for Session I after this day will receive a notation of W (Withdrawal) on their transcript in all classes (through June 27).
	8—Classes dropped after this day for Session I will be recorded as a W (Withdrawal) on the transcript (through June 27).
	8—Last day to drop a class without advisor approval
	27—Last day on which a student may drop a class for Session I.
	27—Last day on which a student may withdraw from the University for Session I.
July	4—Independence Day Holiday (Monday)
	8—End of Session I; final examinations for Session I.
	8—Residence halls close at 10:00 p.m. for Summer Session I residents.
	9—Grades due at 5:00 p.m.
August	13—Commencement, Ferrell Center, information available at www.baylor.edu/commencement .
Session II — July 1 - August 12	
July	10—Residence halls open at 1:00 p.m. for Summer Session II residents.
	11—Classes begin for Session II.
	11—Late registration begins
	13—Last day to register or add courses for Session II.
	13—Last day for credit by examination in enrolled courses.
	14—Students that withdraw from the University after this day for Session II will receive a notation of W (Withdrawal) on their transcript in all classes (through August 2).
	14—Classes dropped after this day for Session II will be recorded as a W (Withdrawal) on the transcript (through August 2).
	14—Last day to drop a class without advisor approval.
August	2—Last day on which a student may drop a class for Session II.
	2—Last day on which a student may withdraw from the University for Session II.
August	12—End of Session II; final examinations for Session II.
	12—Residence halls close at 10:00 p.m. for Summer Session II residents.
	12—Grades due for Graduation candidates at 10 a.m.; due at NOON for all other students.
	13—Commencement, Ferrell Center, information available at www.baylor.edu/commencement

Specific times for graduations will be determined prior to the summer semester 2022; please refer to the commencement website at www.baylor.edu/commencement for times and other information.

Note: Deadlines subject to change. For the most current dates, please refer to the Web calendar.

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

APPLICATION DEADLINES

November 1:

Early Decision I (binding); Notification by December 15

Early Action (non-binding); Notification by January 15

February 1:

Early Decision II (binding); Notification by March 1

Regular Decision (non-binding); Notification by April 10

NOTE: The priority deadline for merit scholarship consideration is February 1. 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) and a high school transcript with GPA and class rank (if available). Additionally, students must submit an essay. All Early Decision applicants must submit the CSS Profile as part of their application file. 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:

- 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, pre medicine 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.

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 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.

TRANSFER APPLICATION DEADLINES

Spring Entry: November 15

Summer Entry: May 15

Fall Entry: 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.

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 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 USCIS Form I-20.

FRESHMAN APPLICATION DEADLINES

Spring Entry

November 15: Rolling notification

Fall Entry

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; Notification by April 10

TRANSFER APPLICATION DEADLINES

Spring Entry

November 15: Rolling notification

Fall Entry

June 1; Rolling notification

APPLICATION REQUIREMENTS

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 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 for a complete list of guidelines.

International citizens applying as freshmen are required to submit the CSS Profile as part of a complete application file. Baylor will not evaluate freshman applications until this requirement has been satisfied. If a student does not need financial assistance they may discuss a waiver with their admissions counselor.

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.

REACTIVATION 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 semester before their desired return term, will need to complete the Reactivation Application. Students planning to return are encouraged to submit the reactivation as early as possible in order to facilitate a timely registration opportunity for classes. The student reactivation process is handled through Baylor's Office of the Registrar.

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 account. Once the deposit is processed, applicants may submit the Housing Application through their goBAYLOR 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

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. 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 for a complete list of approved examinations, minimum scores, additional requirements, and corresponding Baylor courses.

- A. College Board SAT II: Subject Tests
- B. College Board Advanced Placement Program (AP)
- C. College-Level Examination Program Subject Examinations (CLEP)
- D. International Baccalaureate Program (IB)
- E. 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/ 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. www7.nationalacademies.org/fellowships/fordpredoc.html
- **Fulbright Grants:** Supports post-graduate study in more than 125 foreign countries in Europe, Asia, Africa, Central and South America, and Australia. <http://www.iie.org/TemplateFulbright.cfm?section=Fulbright1>
- **Gates Cambridge:** Awards scholarships for postgraduate study at Cambridge University in England. www.gates.scholarships.cam.ac.uk/
- **Barry M. Goldwater Scholarships:** Encourages excellence in science and mathematics. 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
- **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
- **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/ocr.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. <http://www.iie.org/Template.cfm?&Template=/programs/nsep/default.htm>
- **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
- **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
- **Rotary Scholarships:** Furthers international understanding and fosters friendly relations between peoples of different countries by supporting undergraduate and graduate studies abroad. www.rotary.org/foundation/programs.html
- **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
- **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. www.udall.gov/p_scholarship.htm

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/

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 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. 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.

If selected for verification, or conflicting information is identified between the applications, students will be notified through their student portals and should have all required documentation submitted as soon as possible after notification. Baylor normally receives results of the FAFSA and CSS Profile within three to five business days from the date the form is field electronically. The deadline for completion of the verification and conflicting information process is April 21 of the application academic year, November 15 if only attending fall, and June 20 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, and part-time employment. To be eligible for financial aid, students must be making satisfactory academic progress as defined by Baylor University. The Statement of Satisfactory Academic Progress is available on the web at 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 Student Financial Aid Office **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 Student Financial Aid Office 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.

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 2021-2022 undergraduate expenses for one semester, including tuition, fees, room and meals, please visit 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

ESTIMATE OF EXPENSES PER SEMESTER (new student)

Tuition, normal course load of 12 semester hours or more	\$25,116.00
Matriculation	\$100.00
Chapel	\$90.00
Course or Lab fee, per course, varies (\$50 minimum)	\$50.00

NOTE: Tuition and fee rates for Summer 2022 will be available at a later date, but can be viewed online at www.baylor.edu/sfs/summercost.

ROOMS AND HOUSING FEES (per semester)

Charges are per person, per semester	
Single Room	\$4,775.00
Single Room with Shared Bathroom	\$4,850.00
Single Room with Private Bathroom	\$5,550.00
Single Suite with Shared Bathroom Plus	\$4,850.00
Super Single Room	\$5,300.00
Double Room	\$3,600.00
Double Room with Shared Bathroom	\$4,125.00
Double Room with Shared Bathroom Plus	\$4,250.00
Double Suite with Shared Bathroom	\$4,250.00
Double Room with Private Bathroom	\$4,350.00
Double Plus Room	\$3,600.00
Super Double Room	\$4,200.00
Triple Room	\$3,450.00
Triple Room with Shared Bathroom	\$3,600.00
Apartment Single Gold	\$5,700.00
Apartment Double Gold	\$4,475.00
Apartment UP 4 Bedroom	\$3,850.00
Apartment UP 3 Bedroom	\$4,700.00
Apartment UP 2 Bedroom	\$5,150.00
Expanded Occupancy	\$3,300.00

LIVING AND LEARNING FEES (per semester)

Baylor and Beyond	\$85.00
Brooks Residential College	\$100.00
Impact	\$85.00
Business and Innovation	\$85.00
Fine Arts	\$100.00
Honors Residential College	\$140.00
Leadership	\$100.00
Outdoor Adventure	\$350.00
Science & Health	\$85.00
Teal Residential College	\$100.00
Transfer - Year Experience	\$85.00

For more information on rooms and housing visit www.baylor.edu/cll (Room types and Rates)

MEAL PLANS

All Access 7 days per week plus \$150.00 Dining Dollars*	\$3,037.03*
All Access 5 days per week plus \$200 Dining Dollars*	\$2,660.52*
Block 170 + \$300 Dining Dollars.....	\$1,954.06
Block 100 + \$125 Dining Dollars.....	\$1,128.48
Block 65 + \$225 Dining Dollars.....	\$850.69

*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

ID Card Replacement Fee.....	\$20.00
Standard Payment Plan Setup Fee	\$60.00
Deferred Payment Plan Setup Fee	\$80.00
Late Financial Settlement Fee.....	\$100.00
Audit Fee (Per Course)	\$353.00
Late Cancellation Fee	\$300.00
Late Room Cancellation Fee.....	\$300.00

OPTIONAL FEES

Annual Parking Permit - Flex	\$360.00
Annual Parking Permit - 5th Street Garage	\$435.00
Spring Only Parking Permit.....	\$230.00
Yearbook	\$90.00

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 emails to the students, in the invoices, statements, and schedules within the My Account tab of the E-Bill System, or in the following link: 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.

FINANCIAL SETTLEMENT

- A student's registration for a semester is not finalized (financially settled) until
 - All expenses are paid in full or enrollment in a payment plan is complete
 - The student has confirmed his or her intent to attend for the semester billed.

For additional information about financial settlement, please visit www.baylor.edu/sfs/financialsettlement.

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.

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.

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, wire transfer, or physical check. Payments cannot be accepted by phone. For more information on payment methods, please visit 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.

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.

CANCELLATIONS, DROPS, AND UNIVERSITY WITHDRAWALS

FALL AND SPRING SEMESTERS

Most of the information in this section refers specifically to fall and spring semesters. For dates, deadlines, and other pertinent details regarding Minimester or Summer Sessions, please see the "Academic Calendar" section for the respective dates.

This section provides information about Cancellations, Drops, and University Withdrawals. Definitions of these terms include:

- Cancellation–Dropping all classes prior to the first class day; cannot occur once the first class day is reached for a semester.
- Drop–Removing a class(es) from a student's schedule through the 50th class day. (This term does not apply when a student discontinues all classes during the semester.) Depending on the timing of this action, the outcome will either be that the class is removed from the student's transcript record or that it results in a "W" (Withdrawal) notation for the class on the transcript (see "Academic Calendar" for deadlines). A student cannot drop a class after the 50th class day during a fall/spring semester.

- University Withdrawal—Officially discontinuing all classes for which a student is registered on or after the first class day (through the 50th class day). Beginning the 1st class day of each semester, a student will not be able to withdraw from their complete class schedule online. A student cannot withdraw from the university after the 50th class day during a fall/spring semester.

CANCELLATIONS

Cancellation occurs when a student decides not to attend classes for a semester prior to the first class day for that semester.

Academic Effects—Cancelled classes do not appear on the official academic transcript.

Financial Effects—Cancellations and related refund requests must be made by the student and can be submitted to www.baylor.edu/sfs/contactus. Cancellation requests must be received prior to the first class day for the semester. For cancellations, all tuition, fees, and meal plans will be refunded at 100 percent. If a student never attends class and cancellation request is received after the start of class and approved, the student will be charged a fee for late cancellation. If a student has been given an on-campus housing assignment, Campus Living and Learning must receive a separate notification. Please send this notification to Living@baylor.edu. Housing refund policies will apply.

DROPPING CLASSES BY A STUDENT

A student has the option to drop a class prior to, or during, a semester. Prior to dropping a class, a student should review “Before you Drop A Course” by visiting www.baylor.edu/b4udrop.

Academic Effects

- Through the 12th class day, drops can be processed in BearWeb. Beginning on day 13, advisor approved drops may be processed in BearWeb through the 50th class day.
- A drop prior to the end of the 12th class day of the fall or spring semester results in the course being removed from the official academic transcript.
- After the 12th and through the 50th class day, 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 fall/spring semester.
- Failure to drop a class will result in the instructor submitting the grade the student has earned.
- 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 from which the student is dropping.

Financial Effects

- 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.
 - A student not on flat-rate tuition or one who the drop causes to fall below 12 hours, will be processed according to the following refund schedule*

Prior to the end of the 5th class day.....	100%
Prior to the end of the 10th class day.....	75%
Prior to the end of the 15th class day.....	50%
Prior to the end of the 20th class day.....	25%
After the end of the 20th class day.....	0%

*An extensive refund schedule for all semesters can be found at 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 14 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 14 hours, and the student is left with 12.5 billable hours. Since the student retains 12 or more billable hours, he or she would continue to be subject to the flat-rate tuition.

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

UNIVERSITY WITHDRAWAL

A University Withdrawal occurs on or after the first class day. To withdraw officially from the University and request appropriate refunds, a student must submit a Withdrawal Form and complete an exit interview with a designated representative from the Academic Support Programs Office in the Paul L. Foster Success Center. A student who withdraws prior to the 12th class day in their first semester at the University will be subject to readmission to the University for future semesters.

For a nursing student on the Dallas campus to withdraw from the University during a semester, the student must secure clearance from the Associate Dean prior to scheduling an exit interview.

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.

Academic Effects

- The University Withdrawal effective date is established by the date on which a student submits the mandatory University Withdrawal Form (or contacts designated staff in Academic Support Programs.)
- Contact with Academic Support Programs can be initiated in person (west basement of Sid Richardson during regular business hours), by telephone (254-710-8696), or by emailing academic_support@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 and additional information is available online at www.baylor.edu/successcenter.
- 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

- If the student fails to contact Academic Support Programs 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 first 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/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 a financial aid counselor 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 Student Financial Aid office at 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 or by calling 254-710-3642. Additional information is available online at 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.

EXCEPTION TO UNIVERSITY WITHDRAWAL AND RETURN POLICY

It is the policy of Baylor University that students are not permitted to withdraw after the 50th day of a standard fall or spring semester or the last day for a University Withdrawal in any other term. It is critical that students follow these deadlines. Exceptions may be granted to this policy in extraordinary circumstances (e.g., medical or health emergencies) that impact academic performance in such a way that application for a timely withdrawal was not possible, or that recording a grade of “Incomplete” would not be appropriate. (Once a student has requested an exception to this policy, it would be extraordinarily unlikely that the university would allow a student to request an additional exception.) Further information about requesting this exception may be found at: www.baylor.edu/support_programs/.

A student withdrawing based on this exception may not be enrolled during the succeeding full semester (i.e., fall or spring). Note that 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: www.baylor.edu/registrar, and further detail about returning after a withdrawal exception may be found at: 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:

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 or POSTGRADUATE: 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. For assistance, contact the Office of the Registrar at 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>.

Baylor's Crime Prevention and Security Report is provided annually to all students and is available at <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](#) account under **Student Academic Services->Advisement->Advisement Contact Information**. 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). 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.

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 three 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 19 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>). 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

A post baccalaureate student who is not seeking a second undergraduate degree does not need to petition or seek permission to take any undergraduate course. A post baccalaureate student that is admitted into an undergraduate degree program must follow the same registration procedures as undergraduates (refer to <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.

Correspondence Course Registration

A limited number of undergraduate courses may be taken by correspondence to meet the needs of non-resident Baylor students. In exceptional situations, the dean may grant permission to a student to take a correspondence course in residence.

The student must submit a petition to the dean of the academic unit in which he or she is enrolled requesting permission to take by correspondence one of the courses which has been approved to be offered by correspondence. The Dean's Office in the College of Arts and Sciences initiates registration, verification of tuition payment, and academic administration of the correspondence course.

Eligibility: A student must have been a previous full-time student or be a currently enrolled full-time student before he/she may register for a correspondence course. A maximum of nine semester hours may be earned by correspondence for credit toward a bachelor's degree. A student registered for course work at Baylor may not take correspondence courses from another school to count toward a Baylor degree or certificate. Only undergraduate credit may be earned by correspondence. A student may enroll in only one correspondence course at a time and it must be completed before a second may be started. Correspondence courses may not be taken Pass/Fail.

Tuition: The tuition for correspondence courses is calculated at the standard tuition rate.

Time limits: A minimum of forty-five calendar days from the date the course begins is required to complete a course, and the maximum time allowed is ninety days. Non-resident students must complete the course before enrolling for coursework in residence.

POST REGISTRATION CHANGES

Changes in schedules may be made through BearWeb at 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, 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.

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" 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* 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.

**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 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 hours 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), 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/ Symbol	Description	Grade Points	Included in GPA?	Credits 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 Completion (Credit/No Credit)	n/a	N	Y
NC	No Credit--Unsatisfactory Completion (Credit/No 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.

COURSE REPETITION AND ACADEMIC GRADE FORGIVENESS POLICY

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:

Cum Laude	Magna Cum Laude	Summa Cum Laude
3.75	3.85	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.

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>.

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.

Office of Career and Professional Development (CPD)

The Office of Career and Professional Development assists students and alumni as they make decisions about their professional goals and job search opportunities. CPD provides in-depth, inventory-based career counseling that helps students identify an appropriate major and begin to pursue their career goals. In addition, CPD partners with students as they search for career options, internships, and other professional opportunities. The Office also offers job search services such as resume critiques, interview preparation, on-campus interviews, and career fairs.

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:

- Connect to Baylor
- Understand Baylor's mission and learning outcomes
- Engage in spiritual formation
- Develop personal and professional goals
- Succeed academically
- Develop autonomy within a caring community

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 <http://www.baylor.edu/nse/courses/>.

Student Success Initiatives

The purpose of the Student Success Initiatives (SSI) is to positively impact the success of Baylor's students by addressing their social, emotional, transitional and academic concerns. Student Success Initiatives provides programs and supports for first-generation college students, student veterans, pre-law students, transfer students, and students referred by their faculty members. Each of these areas can have a significant impact on a student's transition, persistence and retention. Our Student Success Initiatives team is ready to connect students to resources and maximize their success at Baylor.

The PLFSC is located in the Sid Richardson Building; further information is available at:

<http://www.Baylor.edu/SuccessCenter> or (254) 710-8212.

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* system (Student Academic Services ->Student Records->Degree Audit>u.Achieve 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*. 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.

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GENERAL INFORMATION

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 the 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.

ENDOWED POSITIONS IN THE COLLEGE OF ARTS & SCIENCES

CHAIRS

The 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 Fred Hartman Chair in Journalism
 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
 James R. Schofield Endowed Chair in Biomedical Studies
 The Schotts Professorship in Chemistry
 The W.M. Keck Professorship in Geophysics
 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 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

SCHOLARSHIPS

An asterisk (*) denotes that the scholarship also is listed under another department.

Department of Aerospace Studies

The Chaplain, Maj Gen Gerald Marsh AFROTC Scholarship
 The Captain Larry G. Pitts Memorial Scholarship
 The Military Officer's Association of America Scholarship
 The Raynor L. Hebert Memorial Scholarship

American Studies Program

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

Asian Studies

The Eloise and Baker James Cauthen Scholarship in Asian Studies

Department of Art and Art History

The Allbritton Scholarships in 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 Charles J. Isoline Scholarship in Visual Arts
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 Linnology/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
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 W.R. Stephens Chemistry Graduate Scholarship
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

The Amy Elizabeth Cariello Scholarship
The Tommye Lou Davis Scholarship
The Downer Memorial Scholarship in Classics

The Hanchey Family Classics Scholarship
The Harry and Blanche Jakes Memorial 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 ACM Scholarship in 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 Robert H. Cooley and Carolyn Lindley Cooley Scholarship in English
The Roy Cornelius Memorial Award
The Martha Emmons Scholarship
The Glynn and Delaine Gilcrease 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 Robert Lowe Scholarship
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 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 Doris Kayser Stark-John and Ray Kayser Memorial Graduate 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
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 Glorietta Scholarship in Geology
The Glenn Douglas Green Scholarship
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 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 Leo Parchman Ph.D. Fund
The Hays Philips Family Endowed Scholarship Fund in Geophysics
The Skaar Family Endowed Scholarship Fund
The George and El Freda Taylor Pirtle Scholarship in Geology
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
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
The Debra W. Hampton Memorial Scholarship
The Charles D. Johnson Scholarship in Journalism
The John R. Kilgore Memorial 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 Stone Endowed Scholarship
The Taylor Publishing Scholarship
The Adrian Vaughan Scholarship in Journalism
The Tommy West Scholarship
The Sam Wood Scholarship in Journalism
The E.S. James Baptist Standard Scholarship in Journalism

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
 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

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 National Guard Scholarship Guaranteed Reserve Force Duty Scholarship

Department of Modern Languages and Cultures

The Allison Family Foundation Scholarship for Study Abroad
 Area Studies
 The Eloise and Baker James Cauthen-Asian Studies Scholarship
 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
 Portuguese
 The Lasse T. Tiihonen Scholarship
 Russian
 The Frauke A. Harvey Scholarship in Russian
 Spanish
 The Florence A. Davis Memorial Scholarship in Spanish
 The Andres Sendón Memorial Scholarship in Spanish
 The E.H. Sparkman Memorial Scholarship in Spanish

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

The W.J. Kilgore Fellowship Fund

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

Prehealth

The R. C. Baker Foundation Pre-Med Scholarship

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

The Matthew Clark Memorial Scholarship Fund

The William F. and Thelma Cooper Scholarship Fund

The Coker, Cox Academic Scholarship in Pre-Med

The Charles and Kathryn Cunningham 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 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 A.M. and Lil Reagan Pre-Med Scholarship

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

The L.M. Winford Scholarship in Pre-Med

Pre-Physical Therapy

The Rona Williams Scholarship in Pre-Physical Therapy

Department of Psychology and Neuroscience

The Dr. L. Joseph Achor Endowed Scholarship

The Jim H. Patton Scholarship in Neuroscience

The Herbert H. Reynolds Psychology Graduate Scholarship

The Dr. C. Eugene Walker Award in Clinical Psychology

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 Mauritta C. Bowden 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 Eddie L. Dwyer Graduate 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. McDougle 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 Jerry and Charlotte Moran Scholarship in Ministry
 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 George C. and Sadie Rose Scott Theology Scholarship Fund
 The C.D. and V.D. Shepperd Memorial 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 Addie Swearingen Foundation Religion Scholarship Award
 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 L.E. and Vera Wood Graduate Scholarship in Religion
The T.C. and Ronnie R. Worley Ministerial Scholarship
The Kyle and Margaret Yates Scholarship
The David and Lu Yarbrough Scholarship in Religion

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.

HONOR SOCIETIES

Alpha Epsilon Delta

Alpha Epsilon Delta is a national premedical and pre dental honor society which encourages scholarship and service among its members and provides a broad range of services and activities to the larger premedical/pre dental community and the Premedical/Pre dental Office. Chartered in 1929, Texas Beta Chapter entered the society in its third year of existence. Membership requirements are 3.30/4.00 GPA (both overall and in math/science), forty-five semester hours (including fourteen semester hours of math/science), and at least one semester of residence.

Alpha Kappa Delta

Alpha Kappa Delta is a national honorary society for sociology majors. Its purposes are threefold: (1) to recognize scholarship; (2) to provide a forum for sociological discussion; and (3) to stimulate sociological research. Membership is open to sociology majors who have completed at least twelve hours in sociology with a scholastic average of 3.0 or higher and who have an overall GPA of at least 3.0.

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 by 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 in 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 recognizes high scholarship and professional standards among students of journalism in accredited schools and departments of journalism and communication in American colleges and universities. Eligibility is limited to the upper ten percent of the junior-senior group and exceptional graduate students.

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 Club

Möbius, the math club at Baylor University, is a mathematics society with a twist! Students do not need to declare mathematics as a major to join this organization; we only seek enthusiastic students who simply want to expand their interests in mathematics. Many disciplines require heavy knowledge of this subject, but we encourage students of all disciplines to join and participate in this organization. Students who are mathematics majors are especially encouraged to participate. We seek to give opportunities to students to participate in undergraduate research, attend interesting mathematics talks, socialize with the math faculty at Baylor University and to meet mathematicians from all around the world.

Nu Rho Psi

Nu Rho Psi, the National Honor Society in Neuroscience, seeks (1) to encourage professional interest and excellence in scholarship; (2) to award recognition to students; (3) to advance the discipline of Neuroscience; (4) to encourage intellectual and social interaction between students, faculty, and professionals in Neuroscience and related fields; (5) to promote career development in Neuroscience and related fields; (6) to increase public awareness its benefits for the individual; and (7) to encourage service to the community. Requirements include a major in Neuroscience or Pre-Neuroscience, completion of at least 3 semesters of the college course and a minimum of 45 semester hours, completion of at least 9 semester hours of courses in neuroscience or related fields (biology, chemistry, mathematics, physics, psychology and statistics) required for the B.S. degree in Neuroscience, a minimum of a "B" (3.0) in NSC 1306 Introduction to Neuroscience and NSC 1106 Introduction to Neuroscience Laboratory, a minimum of 3.2 cumulative overall GPA, and a minimum of a 3.5 cumulative GPA in all courses in neuroscience or related fields that are required for the B.S. degree in Neuroscience. Only courses taken at Baylor University will be counted, when considering GPA or the completion of the nine semester hour minimum for neuroscience or related courses.

Phi Alpha Theta

Phi Alpha Theta is the international honor society in History. The Tau Beta Chapter was chartered in 1972. All students with a minimum of twelve hours completed in history, a GPA of 3.3 in history, and with an overall GPA of 3.0, are eligible for membership.

Phi Beta Kappa

Phi Beta Kappa is the nation's oldest and most prestigious scholastic honorary society. The first chapter was founded in 1776 at the College of William and Mary in Williamsburg, Virginia, and was the first society to adopt Greek letters for a name. Currently there are chapters at 255 of the foremost institutions of higher education across the country. The Baylor University chapter was chartered in 1976 and is one of only ten chapters in the state of Texas. The purpose of Phi Beta Kappa is to recognize and encourage scholarship in the liberal arts and sciences. Membership in the society can come only through election and initiation by the local chapter. All graduating seniors and Ph.D.

candidates in the College of Arts & Sciences are automatically considered for membership each year. Requirements include the completion of a liberal arts and sciences major, study of mathematics and a foreign language, broad cultural interests, good character, and a GPA that places the candidate among the top 5% of the graduating class.

The Baylor chapter sponsors the Roy B. Albaugh Phi Beta Kappa Lectureship and awards the Henry L. Robinson Phi Beta Kappa scholarship each year, as well as visits to campus by a number of prominent visiting scholars and lecturers.

Phi Sigma Tau

Phi Sigma Tau is the national honor society for philosophy students who meet the guidelines of the Association of College Honor Societies, of which Phi Sigma Tau is a member organization.

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 mathematics honorary society whose primary purpose is to encourage and support scholarly activity and thought in the field of mathematics. Undergraduates who have completed twelve hours of mathematics, with at least a B average, are eligible for membership.

Pi Sigma Alpha

Pi Sigma Alpha is the national political science honor society. The chapter receives into membership students of government, political science, public administration, and international relations when such students attain high standards of scholarship and academic distinction both in political science and in their total academic program. Pi Sigma Alpha was founded at the University of Texas in October, 1920. There are now approximately 400 chapters. Total membership of the Society is approximately 112,000. Baylor University's chapter, Gamma Eta, was organized in 1955.

Psi Chi

Psi Chi is a national honor society in psychology which 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, to utilize the talents of the members, and to 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. The chapter strives to promote scholarship by recognizing geology and earth science students whose GPA qualifies them for membership. In addition to assisting the Baylor Geological Society with field trips, Sigma Gamma Epsilon offers tutoring, and provides other services to the department.

Sigma Iota Rho

Sigma Iota Rho is an honorary organization for outstanding scholars in the field of International Studies, which includes Baylor's programs in International Studies, Asian Studies, Latin American Studies, and Slavic and East European Studies.

Sigma Pi Sigma

Sigma Pi Sigma, a member of the Association of College Honor Societies, is a physics honor society

founded at Davidson College in 1921. The Baylor chapter was installed in 1959. The purpose of the society is to recognize the scholarship of those elected to membership and to advance knowledge of and interest in physics. Invitation for membership is extended to qualified individuals who have completed sixteen semester hours of college 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 academic honor society designed to recognize and promote excellence and involvement of transfer students.

Theta Alpha Kappa

Theta Alpha Kappa is a nationally recognized honor society of students and faculty interested in religious studies. The purpose of TAK is to recognize and encourage excellence in research, learning, teaching, and publication in religious studies. It seeks to promote fellowship between faculty and students who are interested in religion.

Upsilon Pi Epsilon

Upsilon Pi Epsilon 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 made up 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.

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, to cultivate the widest possible range of communication research, to encourage the implementation of a multi-cultural society in the classroom and curriculum, and to 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 level. 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, to preserve the scientific base of psychology, to promote public understanding of psychological science and its applications, to enhance the quality of graduate education, and to 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 for 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 engages in various aviation-related activities as well as community service, with the purpose of preparing members for careers within the aerospace industry, exploring various aspects of the aerospace industry, and promoting a strong sense of community between 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

Baylor Geological Society promotes student professional development and job placement and serves as an outlet for the cultivation of community and local service. This organization also encourages social interaction with other students through events and fund-raising opportunities.

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 which utilize their language skills both on campus and in communities. After successfully completing five semesters of Japanese with 3.5 GPA and 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 requisite 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 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 purposes 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.

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 mathematics accessible at the undergraduate level. Members include university, college, and high school teachers; graduate and undergraduate students; pure and applied mathematicians; computer scientists; statisticians; and many others in academia, government, business, and industry.

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 prerequisite 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 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)

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. The Baylor NABJ chapter has hosted panel discussions about the role of minorities on the Baylor campus, rap music and its portrayal of women, and how minorities are portrayed in the media - all intended to spur dialogue and encourage thoughtful discussion among all students.

National Association of Hispanic Journalists (NAHJ)

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 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 lay people.

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-image 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 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.

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. Pre-majors and undecided students are advised by University Advisement. Refer to BearWeb or Navigate for your specific advising assignment.

Deanne Kramer, Director
 Jason Bushnell, Associate Director
 Tonja Aycok, Advising Program Coordinator
 Tonya Tenberg, Administrative Associate
 Lisa Asher, Assistant Director
 Patrick Broadus, Senior Academic Advisor
 Brett Gibson, Assistant Director
 Jessi Hitt, Academic Advisor
 Becky Holloman, Academic Advisor
 Kyle Howerton, Academic Advisor
 Erin Jacobus, Academic Advisor
 Laura McNutt, Academic Advisor
 Shannon Tebo, Assistant Director
 Alfreda Washington, Senior Academic Advisor
 Jolinda Whitney, Senior Academic Advisor
 Candace Woolverton, Academic Advisor

DEGREES AND REQUIREMENTS

Undergraduate Programs

Please refer to the outlines of degree requirements in this catalog.

Majors

BACHELOR OF ARTS

American Studies	History
Anthropology	International Studies
Arabic and Middle East Studies	Journalism
Art History	Latin
Asian Studies	Latin American Studies
Astronomy	Linguistics
Astrophysics	Mathematics
Biochemistry	Medical Humanities*
Chemistry	Museum Studies
Classics	Music**
Communication	Philosophy
Communication Specialist	Physics
Computer Science **	Political Science
Earth Science	Professional Writing and Rhetoric
Economics**	Psychology
English	Religion
Environmental Studies	Russian
Film and Digital Media	Slavic and East European Studies
French	Sociology
German	Spanish
Great Texts of the Western Tradition****	Studio Art
Greek	Theatre Arts
Greek and Roman Studies	University Scholars****

BACHELOR OF SCIENCE

Anthropology	Environmental Science
Applied Mathematics	Geology
Astronomy	Geophysics
Astrophysics	Mathematics
Biochemistry	Neuroscience

Biology
Chemistry
Clinical Laboratory Science***
Economics**
Environmental Health Science

Physics
Psychology
Science Research Fellows*
Statistics

BACHELOR OF FINE ARTS

Theatre Design and Technology
Theatre Performance
Studio Art

BACHELOR OF SCIENCE IN AVIATION SCIENCES

Aviation Administration*****
Aviation Sciences*****

multidisciplinary programs; **intrauniversity programs; *interuniversity programs; ****honors college; *****interdisciplinary*

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
(Honors College)
Greek
Greek and Roman Studies
History
International Studies

Italian Studies
Journalism
Latin
Latin American Studies
Mathematics
Philosophy
Physics
Political Science
Professional Writing and Rhetoric
Religion
Russian
Slavic and East European Studies
Sociology
Spanish
Statistics
Theatre Arts

Minors

Advertising
American Sign Language (College of Health
and Human Sciences)
American Studies
Anthropology
Apparel Merchandising (College of Health
and Human Sciences)
Arabic
Archaeology
Art History
Asian Studies
Astronomy
Astrophysics
Aviation Sciences
Biochemistry
Biology
Business Administration
(School of Business)
Chemistry
Child and Family Studies (College of Health

International Studies
Italian
Japanese
Latin
Latin American Studies
Leadership in Medicine
Leadership Studies (School of Education)
Legal Reasoning and Analysis
Linguistics
Mathematics
Mathematics Education (School of
Education)
Media Management
Medical Humanities
Middle East Studies
Military Studies
Museum Studies
Music (School of Music)
News Editorial
Nutrition Sciences (College of Health

and Human Sciences)	and Human Sciences)
Chinese	Outdoor Education and Leadership (College of Health and Human Sciences)
Church Music (School of Music)	Photojournalism
Civic Interfaith Studies (School of Social Work)	Philosophy
Classics	Physics
Computer Science (School of Engineering & Computer Science)	Political Science
Corporate Communication	Poverty Studies and Social Justice (School of Social Work)
Creative Writing	Public Health (College of Health and Human Sciences)
Criminal Justice	Public Relations
Dance (College of Health and Human Sciences)	Recreation Ministry (See Intrauniversity Programs)
Earth Science	Religion
Economics (School of Business)	Rhetoric and Public Discourse
Educational Psychology (School of Education)	Russian
Engineering (School of Engineering and Computer Science)	Sociology
English	Spanish
Entrepreneurship (School of Business)	Statistics
Environmental Studies	Studio Art
Film and Digital Media	Theater Design and Technology
Forensic Science	Women's and Gender Studies
French	World Affairs
General Family and Consumer Sciences (College of Health and Human Sciences)	
Geology	
German	
Gerontology (School of Social Work)	
Great Texts of the Western Tradition	
Greek	
Greek and Roman Studies	
History	
Informal Education (School of Education)	

Certificates

- Bioethics
- Spanish for Healthcare Professions

Graduate Programs in the College of Arts & Sciences

Note: See the Graduate School Catalog for descriptions of these programs.

I. MASTER OF ARTS

American Studies	Philosophy
Biology	Physics
Classics	Political Science
Communication	Psychology
English	Religion
History	Sociology
International Relations	Spanish
Journalism	Theatre Arts
Museum Studies	

Note: A student may complete minors in the Department of Art and the program of Latin American Studies. For Psychology, see special conditions in the Graduate School Catalog.

II. MASTER OF SCIENCE

Biology	Geology
Biomedical Studies	Mathematics
Chemistry	Physics
Environmental Biology	Statistics
Environmental Science	

III. PROFESSIONAL DEGREES

Master of Environmental Studies	Master of Science in Clinical
Master of Fine Arts	Psychology
Master of International Journalism	Master of Science in Limnology
Master of Public Policy and Administration	Doctor of Psychology

IV. JOINT DEGREES

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 Classical Studies
 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
 Juris Doctor/Master of Public Policy and Administration

VI. DOCTOR OF PHILOSOPHY

Biology	Mathematics
Biomedical Studies	Philosophy
Chemistry	Physics
Ecological, Earth, and Environmental Sciences	Political Science
English	Psychology
Environmental Science	Religion
Geology	Sociology
History	Statistics

Note: For Psychology, see special conditions in the Graduate School Catalog.

Degree Requirements

GENERAL REGULATIONS FOR THE COLLEGE OF ARTS & SCIENCES

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 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. 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 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. 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.
 - e. All students must demonstrate proficiency through the 2310 level in a modern or classical language or through the 1302 level in two Classical Languages (Greek, Latin, Hebrew) or complete GER, SPA 1412 & 2412. For students who placed at a level higher than 2310, the following options are available: ARB 2320, ARB 3302; CHI 2320, CHI 3301, CHI 3302; FRE 2320, FRE 2312, FRE 3301, FRE 3302; GER 2320, GER 2312; GRK 2320; HEB 2320; ITA 2320, ITA 3301, ITA 3302; JPN 2320, JPN 3301, JPN 3302, JPN 3303; KOR 2320; LAT 2320; POR 2320; RUS 2320, RUS 3301, RUS 3302; SPA 2320, SPA 2304, SPA 2321, SPA 2322, SPA 2324, SPA 3302, SPA 3305, SPA 3309; SWA 2320.
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.
 - d. For further information see the Health and Human Sciences section of this catalog.
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:
- a. 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.
 - 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.
14. Certificate:
- a. Optional; A select group of courses focused on helping a student develop a particular skill or area of expertise.
 - b. Twelve hours minimum required.
 - c. Residence - minimum nine hours, six hours advanced.
 - d. Advanced work - minimum nine hours.
 - e. 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” 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.
16. 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.
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, CLA 2302, CLA 2306, and GTX 2301.

**BACHELOR OF ARTS, BACHELOR OF SCIENCE,
BACHELOR OF FINE ARTS, AND BACHELOR SCIENCE
IN AVIATION SCIENCES**

- I. Minimum requirement124 sem. hrs.
- II. Residence requirementminimum 60 hrs.
- III. Grade point average – minimum of 2.00 (“C”) overall and in the major for work done at Baylor.
- IV. Basic requirements49 to 54 hrs.
 - A. Chapel—two semesters.....2 semesters
 - B. Creative Arts Experience—twelve events.....12 events; 0 hrs.
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.
 - C. English—ENG 2310 (American Literary Cultures)3 hrs.
 - D. History—HIS 1300 (The United States in Global Perspective)..... 3 hrs.
 - E. Political Science—PSC 1387 (The U.S. Constitution, Its Interpretation, and the American Political Experience)3 hrs.
 - F. Religion—REL 1310 (The Christian Scriptures)3 hrs.
 - G. Religion—REL 1350 (The Christian Heritage)3 hrs.
 - H. Communication and Media Literacy—one course.....3 hrs.
Select 3 hours from the Communication and Media Literacy distribution list.
 - I. Contemporary Social Issues—one course3 hrs.
Select 3 hours from the Contemporary Social Issues distribution list.
 - J. Fine Arts and Performing Arts—one course3 hrs.
Select 3 hours from the Fine Arts and Performing Arts distribution list.
 - K. Foreign Language and Culture—two to four courses.....8 to 12 hrs.
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:
 - 1. OPTION ONE:
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.
 - 2. OPTION TWO:
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.
 - 3. OPTION THREE:
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.
*** 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.
 - L. Formal Reasoning—one course3 hrs.
Select 3 hours from the Formal Reasoning distribution list.
 - M. Literature in Context—one course.....3 hrs.
Select 3 hours from the Literature in Context distribution list.
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, CLA 2302, CLA 2306, and GTX 2301.
- N. Research Writing—*one course*3 hrs.
Select 3 hours from the Research Writing distribution list.
- O. Scientific Method I: Course with Laboratory Experience.....4 hrs.
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.
- P. Scientific Method II: Grand Challenges of Science.....3 to 4 hrs.
Select 3 hours from the Scientific Method II: Grand Challenges of Science distribution list or an additional course from the Scientific Method I: Course with Laboratory Experience distribution list.
- Q. Lifetime Fitness—*one course*.....1 hr.
- V. 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.
- VI. Minor – Optional; may elect one or more minors. Specific requirements in departmental sections of this catalog.
- VII. Advanced work (“3000” or “4000” numbered courses) minimum.....36 hrs.
- VIII. 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.
- IX. 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.”

DISTRIBUTION LISTS OF COURSE CHOICES:

Communication and Media Literacy Distribution List—*one course*.

Select 3 hours from the following choices:

- CSS 1301, Fundamentals of Public Communication
- CSS 1302, Speech for Business and Professional Students
- CSS 1304, Argumentation, Discussion, and Debate
- CSI 1337, Introduction to Video Game Design
- FDM 1303/JOU 1303, Introduction to Mass Communication
- FDM 4340, Media and Society
- JOU 3387, International Communication
- JOU 4305, Gender, Race, & Media
- JOU 4380, Law and Ethics of Journalism
- PWR 2314, Introduction to Professional Writing and Rhetoric

Contemporary Social Issues Distribution List —*one course*.

Select 3 hours from the following choices:

- ANT 1306, Cultural Anthropology in Global Context
- ANT 1325, Introduction to Global Health
- ANT 3320/ENV 3320, Environment and Human Behavior
- ECO 1305, Issues in Economics for Non-Business Majors
- ENV 2376, Environment and Society
- ENV 4307/PSC 4307, Environmental Law
- ENV 4310/ANT 4311, World Food Problems
- LING 1305, Language in Society
- PHI 1308, Contemporary Moral Problems
- PSC 3300/ENV 3300, The Environment and Political Processes
- REL 3390, Christian Ethics
- REL 3394, War and Peace in the Christian Tradition
- REL 3397, Gender, Feminism and Theology
- REL 4349, The World’s Religions and Violence
- REL 4393/ENV 4393, Environmental Ethics
- SOC 1305, Introduction to Sociology
- SOC 3311, The Sociology of Race and Ethnicity
- SWO 2320, Human Diversity and Leadership

WGS 2300, Women's and Gender Studies: An Introduction

Fine Arts and Performing Arts Distribution List —*one course*.

Select 3 hours from the following choices:

- ARTH 1300, Introduction to Art (for non-art majors only)
- ARTH 2302, Survey of Western Art I
- ARTH 2303, Survey of Western Art II
- CLA 3315, Ancient Drama in Performance
- ENG 3304, Creative Writing: Poetry
- ENG 3306, Creative Writing: Prose
- FDM 1309, Introduction to Film
- MUS 1321, Engaging with Music
- MUS 3321, Music in World Cultures
- MUS 3322, Popular Musics
- MUS 3323, History of Jazz
- MUS 4364/LAS 4364, Traditional Music and Culture in Latin America
- THEA 1301, Acting 1: Realism
- THEA 1306, Introduction to Theatre

Foreign Language and Culture Distribution List—*see requirement for more information*.

- Modern Foreign Languages* 1301 (* includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA)
- Modern Foreign Languages* 1302 (* includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA)
- Modern Foreign Languages* 1412 (* includes: GER, SPA)
- Modern Foreign Languages* 2412 (* includes: GER, SPA)
- Modern Foreign Languages* 2310 (* includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA)
- Classical Languages* 1301 (* includes: GRK, HEB, LAT)
- Classical Languages* 1302 (* includes: GRK, HEB, LAT)
- Classical Languages* 2310 (* includes: GRK, HEB, LAT)

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 & 2412. For those who already have credit for 2310 (pre-Baylor) or place into a higher level, the following options are available:

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

ITA 3302, Italian Conversation, Reading, and Composition
 ITA 3310, Introduction to Italian Literature
 ITA 3330, Italian Through Film
 JPN 2320, Explore Japan
 JPN 3301, Advanced Japanese I
 JPN 3302, Japanese Culture Through Reading
 JPN 3305, Japanese for Business
 JPN 3306, Japanese Cinema
 KOR 2320, Intermediate Korean II
 LAS 2301, An Introduction to Latin American Studies
 LAT 2320, Intermediate Latin Poetry
 MES 2301, Introduction to the Middle East
 POR 2320, Exploring the Portuguese-Speaking World
 RUS 2320, Russian Culture in Context
 RUS 3301, Russian Conversation and Composition
 SPA 1304, Elementary Spanish for Heritage Speakers
 SPA 2304, Intermediate Spanish for Heritage Speakers
 SPA 2320, Exploring the Spanish-Speaking World
 SPA 2321, Advanced Spanish for Health Professions
 SPA 2322, Spanish for Christian Ministry
 SPA 2324, Spanish for Business
 SPA 3302, Conversation and Composition
 SPA 3309, Introduction to Spanish Linguistics
 SWA 2320, Intermediate Swahili II
 THEA 3352/JPN 3352, Japanese Theatre and Culture

Formal Reasoning Distribution List —*one course*.

Select 3 hours from the following choices:

MTH 1301, Ideas in Mathematics
 MTH 1320, Pre-calculus Mathematics
 MTH 1321, Calculus I
 PHI 1306, Logic
 STA 1380, Elementary Statistics

Literature in Context Distribution List —*one course*.

Select 3 hours from the following choices:

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

Research Writing Distribution List —*one course*.

Select 3 hours from the following choices:

CLA 1304, From Ancient Rhetoric to Modern Research Writing
 ENG 1310, Writing and Academic Inquiry Seminars
 ENV 43C2, Environmental Capstone
 HIS 2395, History Workshop
 PHI 1301, Introductory Topics in Philosophy
 PHI 2305, Philosophy and Religion
 PSC 3301, Scope and Methods of Political Science
 REL 3305, Interpreting the Old Testament

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*

Select 4 hours from the following choices:

ANT 1404, Introduction to Human Evolution
 ANT 1407, Introduction to Archaeology
 BIO 1305 & BIO 1105, Modern Concepts of Bioscience & Lab
 BIO 1306 & BIO 1106, Modern Concepts of Bioscience, continued, & Lab
 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 & Lab
 CHE 1302 & CHE 1102, Basic Principles of Modern Chemistry II & Lab
 ENV 1301 & ENV 1101, Exploring Environmental Issues & Lab
 ENV 1303 & ENV 1103, Wildlife Ecology & Lab
 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 & Lab
 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

Scientific Method II: Grand Challenges of Science Distribution List or an additional course from the Scientific Method I—Course with Laboratory Experience Distribution List. —*one 3 to 4-hour course.*

ANT 1307, The Evolution of Human Societies: An Interdisciplinary Perspective
 BIO 1303, Human Ecology: Our Place in Nature
 GEO 1306, The Earth Through Time
 GEO 1307, Evolution and Extinction
 GEO 1309, Origins of Habitable Worlds
 PHY 3305, History of Invention and Technology
 PSY 1305, Psychological Science: Understanding Human Behavior
 STA/CSI 2300, Introduction to Data Science

-Or-

One additional course from item O: Scientific Method I: Course with Laboratory Experience Distribution List

Lifetime Fitness and Civic Engagement - *one course.*

Select 1-4 hours from the following choices:

Lifetime Fitness* 1100 (*includes all LFs)
 HIS 3300, Methods of Oral and Public History
 HIS 3301, Internship in History
 JOU 3366, Public Relations for Non-Profit Organizations
 PPS 1100, Introduction to Citizenship and Community Service
 PPS 1102, Community Law Enforcement
 PPS 2301, Leadership and Social Change
 PPS 3300, Citizenship, Community, and Service Learning
 PPS 3301, Public Policy Innovation and the Common Good
 PPS 3302/PSC 3302, Criminal Justice and Community Law Enforcement
 PPS 3372/PSC 3372, Law, Justice, and the Community
 PPS 4310, Philanthropy, Civil Society, and the Public Good
 PPS 4V98, Advanced Study in Philanthropy and Social Innovation
 PSC 3382, Public Service Internship
 PSC 3392, Washington Internship
 PSC 3398, Bob Bullock Internship
 PWR 3300, Technical Writing
 PWR 3318, Writing for the Workplace
 REL 2480, Introduction to Ministry
 SIC 4V98, Special Topics in Innovation

ACADEMIC DEPARTMENTS

DEPARTMENT OF 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 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, 1102, 2103, and 2104 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 and AS 2103 or AS 1102 and 2104 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 a 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, 3302, 4301, and 4302 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) with 365 days of the commissioning date.

Leadership Laboratory (LLAB). Laboratory courses AS 1111, 1112, 2111, 2112, 3111, 3112, 4111, and 4112 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, drill 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.

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 and multiengine rating), along with a Certified Flight Instructor (CFI) license. 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.

Bachelor of Science in Aviation Sciences Degree

Requirements for a Major in Aviation Sciences

Concentration Requirements

- A. Professional Pilot - Airplane Concentration
Seventy semester hours including the following:
 1. Sixteen hours of required flight courses: AVS 1331, 1332, 2333, 2334, 3236, and either 3235 or 4237.
 2. Fifty-four hours required from Baylor to include:
 - i. Thirty-nine hours Aviation Science courses: AVS 1300, 1301, 1302, 1303, 1313, 2304, 3305, 3310, 3311, 3312, 3315, 4314, and 4315.
 - ii. Fifteen hours selected from: AVS 3320, 3350, 3370, 3235 or 4237, 4238, 4306, 4310, 4317, 4318, 4375, 4390.
- B. Professional Pilot - Helicopter Concentration
Seventy semester hours including the following:
 1. Sixteen hours of required flight courses: AVS 1361, 2362, 2363, 3364, 4265, 4266.
 2. Fifty-four hours required from Baylor to include:
 - i. Thirty-nine hours Aviation Science courses: AVS 1300, 1301, 1302, 1303, 1313, 2304, 3305, 3310, 3311, 3312, 3315, 4314, and 4315.
 - ii. Fifteen hours selected from: AVS 3320, 3350, 3370, 4310, 4317, 4318, 4375, 4390.
- B. Aircraft Dispatch Concentration
Fifty-seven semester hours including the following:
 1. Fifteen hours of credit obtained via FAA dispatch certification.
 2. Forty-two hours required from Baylor to include:
 - i. Thirty-five hours Aviation Science courses: AVS 1300, 1301, 1302, 1303, 1313, 2304, 3310, 3311, 3315, 4314, and 4315.
 - ii. Nine advanced Aviation Science elective hours ("3000" or "4000" numbered courses).

Required courses in other fields:

- A. MTH 1321.
- B. MTH 1322 or STA 2381.
- C. PHY 1408 or 1420.
- D. CSI 3303 or 3305 or 4301.

Requirements for a Major in Aviation Administration

- I. All specific and group requirements for the Bachelor of Science in Aviation Sciences degree.
- II. Major Requirements: Forty-four hours of required Aviation Science courses:
 - A. Thirty-six hours of Aviation Sciences courses: AVS 1300, 1301, 1302, 1303, 1313, 3310, 3311, 3312, 3315, 3370, 4310, and 4377.
 - B. Nine advanced Aviation Science elective hours ("3000" or "4000" numbered courses).

Required courses in other fields:

- A. BUS 1305

- B. ECO 1305
- C. ACC 2301
- D. MKT 3301
- E. MGT 3301
- F. BUS 3302
- G. ENT 3315 and 4325
- H. MTH 1321
- I. STA 1380
- J. CSI 3303, 3305 or 4301

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

Requirements for a Secondary Major in Aviation Science

Thirty-three semester hours including the following:

- A. AVS or AIRP 1215.
- B. Thirty-one hours from Baylor to include:
 1. Twenty-two hours Aviation Science courses: AVS 1300, 1301, 1313, 1417, 3310, 3311, and 4310.
 2. Nine advanced Aviation Science elective hours ("3000" or "4000" numbered courses) chosen from the following:
AVS 3315, 3320, 3350, 3370, 4305, 4314, 4315, 4375.

Requirements for a Minor in Aviation Science

Eighteen semester hours including the following:

- A. AVS 1300, AVS 3311, and AVS 4310
- B. Nine semester hours selected from: AVS 1313, 3310, 3315, 3320, 3350, 3370, 4305, 4314, 4315, and 4375.

AMERICAN STUDIES

(See Journalism, Public Relations and New Media Programs.)

DEPARTMENT OF ANTHROPOLOGY

ANTHROPOLOGY

B.A. Degree

Requirements for a Major in Anthropology

Thirty-two semester hours including the following:

- A. ANT 1306, 1404, 1407
- B. A minimum of three semester hours ANT from each of the following subfields.
 1. Archaeology
 2. Biological Anthropology
 3. Cultural Anthropology
- C. Twelve additional semester hours of ANT electives, 9 of which must be at the 3000-4000 level.

Required courses in other fields:

SOC 3402 or STA 2381 or STA 3381

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.

B.A. Degree

Requirements for a Major in Anthropology (Archaeology Concentration)

Thirty-five semester hours including the following:

- A. ANT 1306, 1404, 1407
- B. A minimum of three semester hours ANT from each of the following subfields.

1. Archaeology
2. Biological Anthropology
3. Cultural Anthropology
- C. ANT 3308
- D. ANT 4302
- E. ANT 4670
- F. Three additional semester hours of any level Archaeology (from ARC or ANT prefix) elective.

Required courses in other fields:

SOC 3402 or STA 2381 or STA 3381

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.

B.A. Degree

Requirements for a Major in Anthropology (Environmental Anthropology Concentration)

Thirty-two semester hours including the following:

- A. ANT 1306, 1404, 1407
- B. A minimum of three semester hours ANT from each of the following subfields.
 1. Archaeology
 2. Biological Anthropology
 3. Cultural Anthropology
- C. ANT 3320
- D. Six additional semesters hours from the following environmental anthropology courses: ANT 4311, 4321, 4340, 4350, 4351, 4362, 4373, 4680
- E. Three additional semester hours of any level ANT electives.

Required courses in other fields:

SOC 3402 or STA 2381 or STA 3381

The BA degree in Anthropology with a concentration in Environmental Anthropology is offered for students who have 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.

JOINT BACHELOR OF ARTS WITH MASTER OF ARTS IN MUSEUM STUDIES

To earn a joint BA/MA in Anthropology and 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 for details of graduate requirements, including eligibility and admissions.)

B.S. Degree

Requirements for a Major in Anthropology (General Anthropology Concentration)

Thirty-two semester hours including the following:

- A. ANT 1306, 1404, 1407
- B. A minimum of three semester hours of ANT from each of the following subfields:
 1. Archaeology
 2. Biological Anthropology
 3. Cultural Anthropology

- C. Twelve additional semester hours from ANT electives, 9 of which must be at the 3000–4000 level.

Required courses in other fields:

- A. MTH 1321
- B. STA 2381
- C. Eight semester hours of science courses with appropriate labs from: BIO 1305-1105, BIO 1306-1106, BIO 1405, BIO 1406; CHE 1301-1101, CHE 1302-1102, ENV 1301-1101, ENV 1303-1103; GEO 1106, (1306 or 1307), 1405; NSC 1306-1106; PHY 1408, 1409, 1420, 1430.
- D. An additional 20 hours of science and mathematics courses from one or more of the following: BIO, CHE, ENV, GEO, MTH, NSC, PHY, PSY, STA. All courses must count toward the major in the respective department.

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.

B.S. Degree

Requirements for a Major in Anthropology (Forensic Anthropology Concentration)

Thirty-eight semester hours including the following:

- A. ANT 1306, 1404, 1407
- B. A minimum of three semester hours of ANT from each of the following subfields:
 - 1. Archaeology
 - 2. Biological Anthropology
 - 3. Cultural Anthropology
- C. ANT/FORS 3331
- D. ANT/FORS 4355
- E. ANT 4358/FORS 4359
- F. Six additional semester hours of 3000–4000 level ANT electives.
- G. Three additional semester hours of 3000–4000 level ANT or FORS elective.

Required courses in other fields:

- A. MTH 1321
- B. STA 2381
- C. Eight semester hours of science courses with appropriate labs from: BIO 1305-1105, BIO 1306-1106, BIO 1405, BIO 1406; CHE 1301-1101, CHE 1302-1102, ENV 1301-1101, ENV 1303-1103; GEO 1106, (1306 or 1307), 1405; NSC 1306-1106; PHY 1408, 1409, 1420, 1430.
- D. An additional 20 hours of science and mathematics courses from one or more of the following: BIO, CHE, ENV, GEO, MTH, NSC, PHY, PSY, STA. All courses must count toward the major in the respective department.

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 the minor in Forensic Science.

B.S. Degree

Requirements for a Major in Anthropology (Health Concentration)

Thirty-eight semester hours including the following:

- A. ANT 1306, 1404, 1407
- B. A minimum of three semester hours of ANT from each of the following subfields:
 - 1. Archaeology
 - 2. Biological Anthropology
 - 3. Cultural Anthropology
- C. ANT/FORS 3331
- D. ANT 4325
- E. 6 additional semester hours from the following: ANT 4314, 4330, 4371, 4372, 4373, 4416.

F. Six additional semester hours of ANT electives, three of which must be at the 3000–4000 level.
Required courses in other fields:

- A. MTH 1321
- B. STA 2381 or MTH 1322
- C. Eight semester hours of science courses with appropriate labs from: BIO 1305-1105, BIO 1306-1106, BIO 1405, BIO 1406; CHE 1301-1101, CHE 1302-1102, ENV 1301-1101, ENV 1303-1103; GEO 1106, (1306 or 1307), 1405; NSC 1306-1106; PHY 1408, 1409, 1420, 1430.
- D. An additional 20 hours of science and mathematics courses from one or more of the following: BIO, CHE, ENV, GEO, MTH, NSC, PHY, PSY, STA. All courses must count toward the major in the respective department.

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 Secondary Major in Anthropology

Twenty-nine semester hours including the following:

- A. ANT 1306, 1404, 1407
- B. A minimum of three semester hours of ANT from each of the following subfields:
 - 1. Archaeology
 - 2. Biological Anthropology
 - 3. Cultural Anthropology
- C. Nine additional semester hours of ANT electives, six of which must be at the 3000–4000 level.

Requirements for a Minor in Anthropology

Eighteen semester hours including the following:

- A. ANT 1305.
- B. A minimum of nine semester hours must be 3000 or 4000 level anthropology courses.

Requirements for a Minor in Archaeology:

Nineteen semester hours including the following:

- A. ANT 1407.
- B. ANT 3308
- C. Twelve additional semester hours of electives from the following list; nine hours of which must be at the “3000-4000” level. Electives may be selected from any course prefix or combination of course prefixes, up to and including all twelve elective hours being derived from a single course prefix.
 - a. ANT: 2302, 3307, 3331, 3351, 3399, 4302, 4340, 4341, 4333, 4348, 4353, 4380, 4670, 4V16
 - b. ARC: 2302, 3303, 3307, 4302, 4340, 4348, 4353, 4V50
 - c. ARTH: 3352, 3353, 4361, 4364, 4368, 4369
 - d. AVS: 4386, 4485, 4487
 - e. BIC: 1314
 - f. BIO: 4386
 - g. CLA 3301, 3302, 3321, 3352, 3353, 3360, 3361, 4311, 4331, 4360, 4368, 4369
 - h. ENV: 4340, 4386, 4485, 4487
 - i. FORS: 3331
 - j. GEO: 1403, 1405, 1406, 3344, 3442, 4340, 4348, 4386, 4389, 4457, 4485, 4487
 - k. GRK: 3311
 - l. HIS: 1305, 3315, 3353, 4322, 4324, 4325, 4326
 - m. MST: 1300, 3304, 3308, 4305, 4307, 4313
 - n. REL: 3303, 4302

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) and Archaeological Theory (ANT 4302) is recommended for students planning to apply to graduate programs.

FORENSIC SCIENCE MINOR

Requirements for a Minor in Forensic Science

Eighteen semester hours including the following:

- A. FORS 1390 and FORS 2357
- B. A minimum of twelve additional semester hours of FORS courses.
- C. At least nine semester hours must be 3000 or 4000 level.

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.

DEPARTMENT OF ART AND ART HISTORY

The basic core of studio courses (ART 1310, 1311, 1314, 1316) are prerequisites to all “3000” or “4000” level studio courses. ART 1314 must precede 1316.

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.

B.A. Degree

Requirements for a Major in Studio Art

Forty-two semester hours including the following:

- A. ART 1310, 1314, 1316, 2310, ARTH 2302, 2303.
- B. One course from each group:
 - 1. ART 3320, 3321, 3324, 3325, 3326, 3327, 4320.
 - 2. ART 3340, 3344, 3345.
 - 3. ART 3314, 3315, 3316, 3334.
- C. Art history elective, six semester hours.
- D. Studio art electives, nine semester hours.

B.A. Degree

Requirements for a Major in Art History

Thirty-six semester hours including the following:

- A. ART 1310, 1314, 1316, ARTH 2302, 2303.
- B. Nine semester hours of art history requirements:
 - 1. Three semester hours of “3000-4000” level art history from Greek to Roman.
 - 2. Three semester hours of “3000-4000” level art history from Renaissance to Baroque.
 - 3. Three semester hours of “3000-4000” level art history from 1800 to Present.
- C. Twelve semester hours of additional “3000-4000” level art history electives.

Required course in other fields:

ANT 1305.

Recommended course in other fields:

PHI 3322 (cross-listed with ARTH 3390).

It is recommended that students fulfill the language requirement in a single language. ARTH 4399 is recommended for those planning to pursue graduate studies.

Requirements for a Minor in Studio Art

Eighteen semester hours including the following:

- A. ART 1310 and 1314.
- B. ARTH 2302 or 2303.
- C. Nine semester hours of “3000” or “4000” level studio art electives.

Requirements for a Minor in Art History

Eighteen semester hours including the following:

- A. ART 1314, ARTH 2302, and 2303.
- B. Nine semester hours of “3000” or “4000” level art history electives.

B.F.A. Degree

Requirements for a Major in Studio Art

Eighty-one semester hours including the following:

- A. ART 1310, 1311, 1314, 1316, 2310 and ARTH 2302 and 2303.
After completion of ART 1310, 1311, 1314, 1316, and ARTH 2302 or 2303, 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, 1311, 1314, and 1316. 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.
- B. Studio art electives for each concentration.
 - 1. Fifteen semester hours: Ceramic Design, Fabric Design, Sculpture
 - 2. Twelve semester hours: Painting, Photography, Printmaking
 - 3. Six semester hours: Graphic Design
- C. Art history electives, nine semester hours.
- D. Additional semester hours, as specified, in one of the following concentrations:
 - 1. Ceramic Design: ART 3315, 3320 or 3321, 3334, 3340, 3341, 3344, 3345, 4340, 4341, 4342, 4343, and 3 hours from: ART 3324, 3325, 3326, 3327.
 - 2. Fabric Design: ART 3314, 3315, 3316, 3320 or 3321, 3330, 3334, 3340, (3344 or 3345), 4313, 4314, and 4316, and 3 hours from: ART 3324, 3325, 3326, 3327.
 - 3. Graphic Design: ART 3330, 3332, 3333, 3334, 3336, 3340, 4329, 4331, 4332, 4333, MKT 3320, and 3 hours from: ART 3314, 3315, 3316, and 3 hours from: ART 3320 or 3321, and 3 hours from: ART 3324, 3325, 3326, 3327; and 3 hours from: ART 3344 or 3345.
 - 4. Painting: ART 2311, 3320, 3321, 3334, 3340, 4320, 4321, 4322, 4323, and 3 hours from: ART 3314, 3315, 3316, and 3 hours from: ART 3344 or 3345, and 6 hours from ART 3324, 3325, 3326, or 3327.
 - 5. Photography: ART (3320 or 3321), 3330, 3332, 3334, 3336, 3339, 3340, 4335, 4336, 4337, 3 hours from: ART 3324, 3325, 3326, 3327, and 3 hours from: ART 3314, 3315, 3316; and 3 hours from ART 3344 or 3345.
 - 6. Printmaking: ART 2311, 3320, 3321, 3324, 3325, 3326, 3327, 3334, 3340, 4324, 4325, 3 hours from: ART 3314, 3315, 3316, and 3 hours from: ART 3344 or 3345.
 - 7. Sculpture: ART (3320 or 3321), 3334, 3340, 3341, 3344, 3345, 4344, 4345, 4346, 4347, 3 hours from: ART 3324 3325, 3326, 3327; and 3 hours from: ART 3314, 3315, 3316.
- E. Candidates admitted to the BFA program must have a 3.0 GPA in all ART (art and art history) courses in order to graduate with the BFA.

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).

JOINT BACHELOR OF ARTS WITH MASTER OF ARTS IN MUSEUM STUDIES

To earn a joint BA/MA in Art or Art History and 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 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 and a major in the Department of Art, as well as additional coursework at the graduate level. (See Graduate Catalog 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 and a major in Studio Art, as well as additional coursework at the graduate level. (See Graduate Catalog for details of graduate requirements, including eligibility and admission).

DEPARTMENT OF BIOLOGY

Either BIO 1305-1105 or 1405; and either 1306-1106 or 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 2402. Non-biology majors are held to the same prerequisite standards as biology majors. BIO 1102, 1302, 1401, 1403, 2401, and 2402 cannot be used to satisfy the minimum number of semester hours required for a major in biology; BIO 1401 and 1403 do not count in the minimum hours for a minor in biology. A maximum of three semester hours of 3V9R and a maximum of three semester hours of 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:

- A. Complete with grades of “C” or better either BIO 1305-1105 or 1405; and either BIO 1306-1106 or 1406; or their equivalents. A grade of “C-” or lower is not acceptable.
- B. Students may transfer credit for these courses as long as the courses were taken prior to matriculation at Baylor.
- C. Students may repeat each of the introductory (BIO 1305-1105, 1405, 1306-1106, 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.
- D. 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 & 1105 or 1405; and BIO 1306 & 1106 or 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.

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 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 1305-1105 or 1405 and either 1306-1106 or 1406 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.

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 1305-1105 or 1405 and BIO 1306-1106 or 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.

B.S. Degree

Requirements for a Major in Biology (Integrative Biology Concentration)

Thirty-five semester hours including the following:

- A. BIO 1305-1105 or 1405, 1306-1106 or 1406.
- B. BIO 2306-2106, 3303, 3366 and 4001.
- C. At least one hour from BIO 3100, 3103, 3300, 3V9R, or 4199.
- D. At least three hours from each group:
 1. BIO 3324-3124, 3429, 4301, 4302-4102, 4304-4104, 4308-4108, 4323, 4416, 4422.
 2. BIO 3322-3122, 3342, 4307, 4317-4117, 4431, 4418.
 3. BIO 3320, 4305, 4365, 4381, 4405, 4406.
 4. BIO 3350, 4306-4106, 4333.
- E. 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.

Required courses in other fields

- A. CHE 1301-1101, 1302-1102, 3331, 3332, 3238.
- B. MTH 1321.
- C. MTH 1322 or STA 2381.
- D. PHY 1408 and 1409; or 1420 and 1430; or 1420 and 1409.
- E. A grade of "C" or better in all courses required in other fields.

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.

B.S. Degree

Requirements for a Major in Biology (Cell and Molecular Biology Concentration)

Thirty-five semester hours including the following:

- A. BIO 1305-1105 or 1405, 1306-1106 or 1406 and BIO 2306-2106.
- B. BIO 3342 and 4001.
- C. At least one hour from BIO 3100, 3V9R, or 4199.
- D. At least three hours from each group:
 - 1. BIO 4302-4102, 4426, 4308-4108.
 - 2. BIO 3330, 3350, 4301, 4303, 4306-4106, 4307.
- E. 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.

Required courses in other fields

- A. CHE 1301-1101, 1302-1102, 3331, 3332, 3238.
- B. MTH 1321.
- C. MTH 1322 or STA 2381.
- D. PHY 1408 and 1409; or 1420 and 1430; or 1420 and 1409.
- E. A grade of "C" or better in all courses required in other fields.

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 exploration of disease etiology. It is appropriate for students who wish to attend graduate or professional schools.

B.S. Degree

Requirements for a Major in Biology (Science Education Concentration)

Thirty-one semester hours including the following:

- A. BIO 1305-1105 or 1405, 1306-1106 or 1406, 2306-2106, (3366 or 4365), 4333, one hour of 3V9R, and 4001.
- B. Four hours from each group: (A course may not be used to fulfill more than one group.)
 - 1. BIO 3324-3124, 3429, 4308-4108, 4426, 4432.
 - 2. BIO 3322-3122, 4306-4106, 4307-4107, 4317-4117, 4431.
 - 3. BIO 3303-3103, 3324-3124, 4405, 4406, 4418, 4422, 4427.
- C. 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.

Required courses in other fields:

- A. CHE 1301-1101, 1302-1102, 3331, 3332, and 3238.
- B. GEO 1106, (1306 or 1307).
- C. GEO 1408 or PHY 1455.
- D. MTH 1321.
- E. MTH 1322 or STA 2381.
- F. PHY 1408 and 1409; or 1420 and 1430; or 1420 and 1409.
- G. Completion of the Minor in Science Education (School of Education-contact the advising department in the School of Education - Office of Student and Information Services, located in Draper 100.)
- H. A grade of "C" or better in all courses required in other fields.

This program is designed for students interested in science education and certification to teach secondary science.

B.S. Degree

Requirements for a Major in Biology (Biology of Global Health Concentration)

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 health-care fields at local, national, and international levels.

Admission to the Program

Students wishing to pursue the Bachelor of Science in Biology with 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 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 2306-2106) 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.

Course Requirements

Thirty-four semester hours including the following:

- A. BIO 1305-1105 or 1405, 1306-1106 or 1406, 2201, 2306-2106, 3303-3103, 4001, and 4302-4102.
- B. Three semester hours from Cell & Molecular Distribution List (select at least 1): 3342, 3350, 4306-4106, 4308-4108.
- C. Three semester hours from Ecology and Evolution Distribution List (select at least 1): 3315, 3320, 3366, 4365, 4386, 4405, 4406.
- D. Three semester hours from Host and Disease Distribution List (select at least 1): 3322-3122, 4301, 4304, 4323, 4350, 4354, 4431.
- E. Three additional semester hours of 3000-4000 level Biology electives.
- F. A grade of "C" or better in 34 hours of biology courses used in the major and a GPA of 2.0 or higher on all BIO courses.

Required courses in other fields:

- A. CHE 1301-1101, 1302-1102, 3331, 3332, 3238.
- B. MTH 1321.
- C. STA 2381.
- D. PHY 1408 and 1409; or 1420 and 1430; or 1420 and 1409.
- E. At least one course from ANT 4330, ANT 4325, ANT 4371, ANT 4373, PUBH 3351, PUBH 4340.
- F. A grade of “C” or better in all courses required in other fields.

Requirements for a Secondary Major in Biology

Thirty-five semester hours including the following:

- A. BIO 1305-1105 or 1405, 1306-1106 or 1406.
- B. BIO 2306-2106, 3303, 3366 and 4001.
- C. At least one hour from BIO 3100, 3103, 3300, 3V9R, or 4199.
- D. At least three hours from each group:
 - 1. BIO 3324-3124, 3429, 4301, 4302-4102, 4304-4104, 4308-4108, 4323-4123, 4416, 4422, 4428.
 - 2. BIO 3322-3122, 3342, 4307, 4317-4117, 4431, 4418.
 - 3. BIO 3320, 4310, 4360, 4365, 4381, 4405, 4406.
 - 4. BIO 3350, 4306-4106, 4333, 4402, 4403.
- E. 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.

Required courses in other fields

- A. CHE 1301-1101, 1302-1102, 3331, 3332, 3238.
- B. MTH 1321.
- C. MTH 1322 or STA 2381.
- D. PHY 1408 and 1409; or 1420 and 1430; or 1420 and 1409.
- E. A grade of “C” or better in all courses required in other fields.

Requirements for a Minor in Biology

Twenty semester hours including the following:

- A. BIO 1305–1105 or 1405 and 1306–1106 or 1406.
- B. At least nine semester hours of “3000” or “4000” level courses.
- C. It is strongly recommended that BIO 2306 be included in the 20-hour total.
- D. 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.

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 and a major in Biology, as well as additional coursework at the graduate level. (See Graduate Catalog for details of graduate requirements, including eligibility and admission).

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

Freshmen who wish to be chemistry or biochemistry majors are strongly advised to enroll in CHE 1301 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. Degree

Requirements for a Major in Chemistry

Thirty-four semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2416, 3331, 3332, 3238, 4321, 4227, 4151, and 4001.
- B. A minimum of eight semester hours, including a minimum of two semester hours laboratory, from the following: CHE 4207, 4302, 4316, 4217, 4322, 4228, 4237, 4341, or 4141.
- C. An exit examination, designated by the department, will be required of all chemistry majors. This examination will be chosen by the department from the GRE, ETS, or another similar examination.

Required courses in other fields:

- A. MTH 1321, 1322, and 2321.
- B. PHY 1420 and 1430.

There are several choices of curricula which include the above requirements. The choice will depend somewhat upon the requirements for preprofessional preparation.

B.S. Degree

Requirements for a Major in Chemistry (American Chemical Society certified)

Forty-seven or forty-nine semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2416, 3331, 3332, 3238, 4001, 4227, 4228, 4151, 4302, 4316, 4321, 4322, and 4341.
- B. 1. For students pursuing a concentration in Chemistry:
 - a. CHE 4307
 - b. Six semester hours selected from CHE 4207, 4217, 4237, (one hour each of CHE 4199 and 4V98).
- 2. For students pursuing a concentration in Biochemistry:
 - a. CHE 4141, 4142, 4342.
 - b. Two semester hours selected from CHE 4217, 4237, 4207, (one hour each of CHE 4199 and 4V98).
- C. An exit examination, designated by the department, will be required of all chemistry majors. This examination will be chosen by the department from the GRE, ETS, or another similar examination.

Required courses in other fields:

- A. PHY 1420 and 1430.
- B. MTH 1321, 1322, 2321.
- C. One course from: MTH 3325, STA 2381, or STA 3381 (MTH 3325 is recommended unless student is pre-health.)
- D. For students pursuing a concentration in Biochemistry: (BIO 1305-1105 or 1405) and (BIO 1306-1106 or 1406). BIO 4306 is recommended.

B.S. Degree

Requirements for a Major in Chemistry (with a concentration in a subdiscipline)*

Forty-one semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2416, 3331, 3332, 3238, 4001, 4227, 4151, and 4321.
- B. A minimum of fifteen semester hours of "4000" level chemistry, including a minimum of four semester hours of laboratory, excluding CHE 4327. A maximum of three semester hours of 4V98 may count toward this requirement.
- C. An exit examination, designated by the chemistry department, will be required of all chemistry majors. This examination will be chosen by the department from the GRE, ETS, or another similar examination.

**This degree plan is not certified by the American Chemical Society.*

Required courses in other fields:

- A. MTH 1321, 1322, and 2321.
- B. PHY 1420 and 1430.

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 predoctoral students or for students interested in medical research.

Undergraduate research in chemistry is strongly encouraged. Safety goggles must be worn in all laboratories.

Requirements for a Secondary Major in Chemistry

Thirty-nine semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2416, 3331, 3332, 3238, 4001, 4151, 4227, and 4321.
- B. A minimum of thirteen additional semester hours of “4000” level chemistry, (excluding CHE 4327), including a minimum of four semester hours of laboratory.

Required courses in other fields:

- A. MTH 1321, 1322, and 2321.
- B. PHY 1420 and 1430.

Requirements for a Minor in Chemistry

Twenty-three semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2416, 3331, 3332, and 3238.
- B. Three semester hours of “4000” level chemistry, excluding CHE 4151. A maximum of two semester hours of CHE 4V98 is allowed and must be accompanied by CHE 4199.

BIOCHEMISTRY

B.A. Degree

Requirements for a Major in Biochemistry

Thirty-four semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2416, 3238, 3331, 3332, 4001, 4225, 4141, 4151, 4327, 4341, and 4342.
- B. A minimum of one additional semester hour of “4000” level chemistry is required, excluding CHE 4321 and CHE 4151.
- C. An exit examination, designated by the department, will be required of all biochemistry majors. This examination will be chosen by the department from the GRE, A.C.S. standardized examination, or another similar examination.

Required courses in other fields:

- A. (BIO 1305-1105 or 1405) and (BIO 1306-1106 or 1406).
- B. MTH 1321 and 1322.
- C. PHY 1408 and 1409; or 1420 and 1430.

This program is designated for students who plan to attend professional school in the health-related areas, such as medicine and dentistry.

B.S. Degree

Requirements for a Major in Biochemistry

Thirty-nine semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2416, 3331, 3332, 3238, 4001, 4225, 4141, 4142, 4151, 4327, 4341, and 4342.
- B. A minimum of five semester hours of “4000” level chemistry, excluding CHE 4321 and 4151. It is recommended that CHE 4316 be included in the five hour total. A maximum of three semester hours of 4V98 may count toward this requirement.
- C. An exit examination, designated by the department, will be required of all biochemistry majors. This examination will be chosen from the GRE, A.C.S. standardized examination, or another similar examination.

Required courses in other fields:

- A. (BIO 1305-1105 or 1405) and (BIO 1306-1106 or 1406).
- B. Two “2000,” “3000,” or “4000” level courses (at least three semester hours each) in biology. It is recommended that BIO 4306-4106 be taken as one of the two courses. BIO 2401 and 2402 cannot be used to complete this requirement.

- C. MTH 1321 and 1322.
- D. PHY 1420 and 1430.

This program is appropriate for students who are planning to attend graduate school in biochemistry or a related area, 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.

Undergraduate research in chemistry is strongly encouraged. Safety goggles must be worn in all laboratories.

Requirements for Secondary Major in Biochemistry

Thirty-seven semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2416, 3331, 3332, 3238, 4001, 4141, 4142, 4151, 4225, 4327, 4341, and 4342.
- B. A minimum of three additional semester hours of “4000” level chemistry. A maximum of three semester hours of CHE 4V98 may count toward this requirement.

Required courses in other fields:

- A. (BIO 1305-1105 or 1405) and (BIO 1306-1106 or 1406).
- B. Two “2000”, “3000”, or “4000” level BIO courses (at least three semester hours each). BIO 2401 and 2402 cannot be used to complete this requirement
- C. MTH 1321 and 1322.
- D. PHY (1408 or 1420) and (1409 or 1430).

Requirements for a Minor in Biochemistry

Twenty-two semester hours of chemistry including the following:

- A. CHE 1301-1101, 1302-1102, 3331, 3332, and 3238.
- B. Six semester hours from: CHE 4327, 4341, and 4342.

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 and a major in the Department of Chemistry and Biochemistry, as well as additional coursework at the graduate level. (See Graduate Catalog 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 and a major in the Department of Chemistry and Biochemistry, as well as additional coursework at the graduate level. (See Graduate Catalog for details of graduate requirements, including eligibility and admission).

DEPARTMENT OF CLASSICS

CLASSICS

B.A. Degree

Requirements for a Major in Classics

Thirty semester hours including the following:

- A. GRK 2310 and 2320; LAT 2310 and 2320.
If four high-school units of Latin are presented, LAT 2310 is not required. Likewise, if four high-school units of Greek are presented, GRK 2310 is not required.
- B. At least twelve hours must be “3000” or “4000” level courses in Greek or Latin.
- C. The remainder of the courses may include:
CLA “3000-4000” level courses; GRK “3000-4000” level courses; HIS 3322, 3324; LAT “3000-4000” level courses; PHI 3310; PSC 3363.

Requirements for a Secondary Major in Classics

Twenty-seven hours including the following:

- A. GRK 2310 and 2320 or equivalent upper level hours; LAT 2310 and 2320 or equivalent upper level hours.
- B. At least twelve hours of GRK or LAT courses at the “3000” or “4000” level.
- C. Three additional hours of “3000-4000” level GRK or LAT; CLA 3301; CLA 3302; CLA 3380; a course offered during the Baylor in Italy program (CLA 3321, CLA 4331, LAT 3311, LAT 3351).

Requirements for a Minor in Classics

Eighteen semester hours including the following:

- A. At least three hours must be a “3000” or “4000” level course in Greek or Latin literature.
- B. The remainder of the courses may include:
CLA “3000-4000” level courses; GRK “2000” or “3000-4000” level courses; HIS 3322, 3324; LAT “2000” or “3000-4000” level courses; PHI 3310; PSC 3363.
- C. At least nine of the eighteen hours must be at the “3000” or “4000” level.

GREEK**B.A. Degree****Requirements for a Major in Greek**

Twenty-seven semester hours including at least fifteen semester hours at the “3000” or “4000” level in Greek.

Required courses in other fields:

Greek majors must take HIS 3322 (Ancient Greece) or CLA 3302 (Greek Civilization).

Requirements for a Secondary Major in Greek

Twenty-seven semester hours including the following:

- A. GRK 2310 and 2320 or equivalent upper level hours.
- B. At least fifteen hours of GRK courses at the “3000” or “4000” level.
- C. Six additional hours of “3000-4000” GRK; CLA 3302; CLA 4331 (offered during the Baylor in Italy program).

Requirements for a Minor in Greek

Eighteen semester hours including at least nine semester hours at the “3000” or “4000” level.

LATIN**B.A. Degree****Requirements for a Major in Latin**

Twenty-seven semester hours including at least fifteen semester hours at the “3000” or “4000” level in Latin.

Required courses in other fields:

Latin majors must take HIS 3324 (Ancient Rome) or CLA 3301 (Roman Civilization).

Requirements for a Secondary Major in Latin

Twenty-seven semester hours including the following:

- A. LAT 2310 and 2320 or equivalent upper level hours.
- B. At least fifteen hours of LAT courses at the “3000” or “4000” level.
- C. Six additional hours of “3000-4000” LAT; CLA 3301; courses offered during the Baylor in Italy program: CLA 3321, CLA 4331, LAT 3311, LAT 3351.

Requirements for a Minor in Latin

Eighteen semester hours including at least nine semester hours at the “3000” or “4000” level.

JOINT BACHELOR OF ARTS / MASTER OF ARTS IN CLASSICAL STUDIES

To earn the joint BA/MA in Classical Studies, a student must complete all basic requirements for the BA degree and a major in the Department of Classics, as well as additional coursework at the graduate level. (See Graduate Catalog for details of graduate requirements, including eligibility and admission).

GREEK AND ROMAN STUDIES

B.A. Degree

Requirements for a Major in Greek and Roman Studies

Thirty semester hours, fifteen of which must be at the 3000-4000 level, including the following:

- A. Classical Literature (6 hours): CLA 2301 or CLA 2306; CLA 2302
- B. Classical Civilization (6 hours): CLA 3301 and 3302
- C. Material Culture (3 hours): CLA 3321, CLA 3352, CLA 3353, or CLA 4331
- D. Religious and Intellectual Life (3 hours): CLA 2310, BIC 2330, GTX 2301, PSC 3363, or PHI 3310
- E. Electives. Choose one of the following three options to complete the remaining twelve hours of coursework:
 - Option 1: 12 hours of 3000-4000 level CLA or additional choices from HIS 3322, 3324, PHI 3310, PSC 3363 if not taken above.
 - Option 2: 9 hours of 3000-4000 level CLA or additional choices from HIS 3322, 3324, PHI 3310, PSC 3363 if not taken above and 3 hours of 2000-4000 level GRK or LAT coursework.
 - Option 3: 6 hours of 3000-4000 level CLA or additional choices from HIS 3322, 3324, PHI 3310, PSC 3363 if not taken above and 6 hours of 2000-4000 level GRK or LAT coursework. Students seeking Departmental Honors must select this option. 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

Twenty-seven semester hours, fifteen of which must be at the 3000-4000 level, including the following:

- A. Classical Literature (6 hours): CLA 2301 or CLA 2306; CLA 2302
- B. Classical Civilization (6 hours): CLA 3301 and 3302
- C. Material Culture (3 hours): CLA 3321, CLA 3352, CLA 3353, or CLA 4331
- D. Religious and Intellectual Life (3 hours): CLA 2310, BIC 2330, GTX 2301, PSC 3363, or PHI 3310
- E. Electives. Choose one of the following three options to complete the remaining nine hours of coursework:
 - Option 1: 9 hours of 3000-4000 level CLA or additional choices from HIS 3322, 3324, PHI 3310, PSC 3363 if not taken above.
 - Option 2: 6 hours of 3000-4000 level CLA or additional choices from HIS 3322, 3324, PHI 3310, PSC 3363 if not taken above and 3 hours of 2000-4000 level GRK or LAT coursework.
 - Option 3: 3 hours of 3000-4000 level CLA or additional choices from HIS 3322, 3324, PHI 3310, PSC 3363 if not taken above and 6 hours of 2000-4000 level GRK or LAT coursework. Students seeking Departmental Honors must select this option.

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 Minor in Greek and Roman Studies

Eighteen semester hours including the following:

- A. Classical Literature (6 hours): CLA 2301 or CLA 2306; CLA 2302
- B. Classical Civilization (6 hours): CLA 3301 and 3302
- C. Material Culture (3 hours): CLA 3321, CLA 3352, CLA 3353, or CLA 4331
- D. Electives (3 hours): Select the remaining three hours of coursework from the following: any CLA "3000-4000" level course not previously taken; BIC 2330; GTX 2301; HIS 3322, 3324; PHI 3310; or PSC 3363. Alternatively, students may fulfill this requirement with three hours of Greek or Latin instruction at the second-year level (2310 or 2320).

CLINICAL LABORATORY SCIENCE

(See Interuniversity Programs.)

DEPARTMENT OF COMMUNICATION

B.A. Degree

Requirements for a Major in Communication

Thirty-six hours including the following required courses:

- A. One three-hour course from CSS 1301, 1302, or 1304.
- B. CSS 3302.
- C. CSS 3310.

Students will select a track for the remaining twenty-seven hours of coursework which relates to their academic or professional focus.

- D. Corporate Communication Track
 - a. Twenty-one hours from the following courses: CSS 1305*, 3304, 3306, 3311, 3312, 3314, 4301, 4302, 4303, 4304, 4305, 4306, 4311, 4312, 4313, 4314, 4315, 4316, 4317, 4318, 4336, 4380
 - b. Six hours from courses in the Rhetoric and Public Discourse Track.
- E. Rhetoric and Public Discourse Track
 - a. Twenty-one hours from the following courses: CSS 1305*, 2264, 2265, 3247, 3248, 3305, 3307, 3316, 3393, 3395, 4310, 4336, 4350, 4351, 4352, 4353, 4354, 4380, 4394, 4395, 4396, 4397. BIC 1323, BIC 1413
 - b. Six hours from the courses in the Corporate Communication Track.
- F. Generalist Track
 - a. Twelve hours from the courses in the Rhetoric and Public Discourse Track.
 - b. Fifteen hours from the courses in the Corporate Communication Track.
- G. Honors Track
 - a. Nine hours from the following classes: CSS 1305*, 3304, 3306, 3311, 3312, 3314, 4301, 4303, 4304, 4305, 4311, 4313, 4314, 4315, 4316, 4317, 4318, 4336.
 - b. Twelve hours from the following classes: CSS 3307, 3316, 3393, 3395, 4310, 4336, 4350, 4351, 4352, 4353, 4354, 4394, 4395, 4396.
 - c. Engaged Communication Experiences: Six additional hours from CSS 4304, CSS 4312, CSS 4380, CSS 4V85.
 - d. Requirements in other areas: Admission to the Honors Program and completion of upper-division Honors Program Requirements including HON 4088 (Honors Exit Review); see Honors Program Handbook or the Honors Program section of the catalog for specific requirements.

****NOTE: CSS 1305 is a New Student Experience course, taught in Fall semester only, and is a strongly recommended course for all incoming, first-time freshmen only.***

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 and the Corporate Communication track of the Communication major (Communication

Specialists may petition for consideration) in 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).

B.A. Degree

Requirements for a Major in Communication Specialist

Thirty-six semester hours including the following:

- A. (CSS 1301 or 1302 or 1304), FDM 1304, (2360 or 3361), and (3372 or 3373 or 3374).
- B. Twelve additional hours of any CSS courses.
- C. Six additional hours of any FDM electives.
- D. The remaining six semester hours may be taken from either division (CSS or FDM).
- E. At least fifteen of the thirty-six semester hours must be at the “3000” or “4000” level.

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.

Requirements for a Secondary Major in Communication

Thirty semester hours including the following:

- A. Three hours from CSS 1301, 1302, 1304.
- B. Students will select a track which relates to their academic or professional focus for the remaining twenty-seven hours of coursework.
 1. Corporate Communication Track
 - a. CSS 3310
 - b. Twenty-one hours from the following courses: CSS 1305*, 3304, 3306, 3311, 3312, 3314, 4301, 4302, 4303, 4304, 4305, 4306, 4311, 4312, 4313, 4314, 4315, 4316, 4317, 4318, 4336, 4380.
 - c. Three hours from courses in the Rhetoric and Public Discourse Track
 2. Rhetoric and Public Discourse Track
 - a. CSS 3302
 - b. Twenty-one hours from the following courses: CSS 1305*, 2264, 2265, 3247, 3248, 3305, 3307, 3316, 3393, 3395, 4310, 4336, 4350, 4351, 4352, 4353, 4354, 4380, 4394, 4395, 4396, 4397. BIC 1323, BIC 1413.
 - c. Three hours from the courses in the Corporate Communication Track.

****NOTE: CSS 1305 is a New Student Experience course, taught in Fall semester only, and is a strongly recommended course for all incoming, first-time freshmen only.***

Requirements for a Secondary Major in Communication Specialist

Thirty semester hours including the following:

- A. (CSS 1301 or 1302 or 1304), FDM 1304, (FDM 2360 or 3361).
- B. Twelve additional semester hours from CSS courses relating to the academic or professional focus.
- C. Nine additional semester hours from FDM courses relating to the academic or professional focus.
- D. NOTE: At least fifteen of the thirty semester hours in the major must be “3000” or “4000” level.

Requirements for a Minor in Rhetoric and Public Discourse

Eighteen semester hours from the following:

- A. CSS 1301 or 1302 or 1304
- B. Fifteen semester hours from the following courses: CSS 1305*, 2264, 2265, 3247, 3248, 3305, 3307, 3316, 3393, 3395, 4310, 4336, 4350, 4351, 4352, 4353, 4354, 4380, 4394, 4395, 4396, 4397. BIC 1323, BIC 1413.

Requirements for a Minor in Corporate Communication

Eighteen semester hours including the following:

- A. CSS 1301 or 1302 or 1304
- B. CSS 4301

- C. Twelve semester hours from CSS 1305*, 3304, 3305, 3306, 3307, 3311, 3312, 3314, 3316, 4302, 4303, 4304, 4305, 4306, 4311, 4312, 4313, 4314, 4315, 4316, 4317, 4318, 4352, and 4380.

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 the 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: (a.) The Glenn R. Capp Debate Forum, one of the nation's distinguished debate programs, offering students experiences in intramural and intercollegiate debate and forensic events. The Capp Forum also sponsors argumentation seminars, public discussion forums, and a summer debate institute for high school students and a workshop for high school teachers. (b.) Internship programs in communication provide students with real world experience in their chosen field. (c.) Students have the opportunity to study and work with professional international consultants in the Baylor in England-Kensington summer program.

COMPUTER SCIENCE

(See Intrauniversity Programs.)

CRIMINAL JUSTICE

(See Political Science Programs.)

ECONOMICS

(See Intrauniversity Programs)

DEPARTMENT OF ENGLISH

ENGLISH LANGUAGE AND LITERATURE

ENGLISH

B.A. Degree

Requirements for a Major in English

Thirty-six semester hours including the following:

- A. ENG 2301 and 2310.
- B. Twelve semester hours from ENG 3311, 3331, 3351, 3380, 3390.
English majors should take the required junior level surveys before taking 4000-level classes.
- C. Nine semester hours of 4000-level Literature including the following:
 1. Three semester hours of 4000-level Early English literature selected from:
ENG 4310, 4313, 4314, 4316, 4320, 4322, 4324, 4330, 4332.
 2. Three semester hours of 4000-level Late British literature selected from:
ENG 4340, 4342, 4344, 4347, 4354, 4355, 4360, 4362, 4364, 4368, 4369, 4371, 4372.
 3. Three semester hours of 4000-level American literature selected from: ENG 4380, 4381, 4383, 4386, 4387, 4389, 4390, 4391, 4394.
- D. Nine semester hours of additional 3000 – 4000-level English electives (may include Creative

Writing, Linguistics, Literature, Professional Writing and Rhetoric or Special Topics courses).

E. A grade of "C" or better in courses used for the major.

Requirements for a Secondary Major in English

Thirty-six semester hours including the following:

- A. ENG 2301 and 2310.
- B. Twelve semester hours from ENG 3311, 3331, 3351, 3380, 3390.
Secondary majors in English should take the required junior level surveys before taking 4000-level classes.
- C. Nine semester hours of 4000 Literature including the following:
 1. Three semester hours of 4000-level Early English literature selected from: ENG 4310, 4313, 4314, 4316, 4320, 4322, 4324, 4330, 4332.
 2. Three semester hours of 4000-level Late British literature selected from: ENG 4340, 4342, 4344, 4347, 4354, 4355, 4360, 4362, 4364, 4368, 4369, 4371, 4372.
 3. Three semester hours of 4000-level American literature selected from: ENG 4380, 4381, 4383, 4386, 4387, 4389, 4390, 4391, 4394.
- D. Nine semester hours of additional 3000–4000-level English electives (may include Creative Writing, Linguistics, Literature, Professional Writing and Rhetoric or Special Topics courses).
- E. A grade of "C" or better in courses used for the Secondary Major.

Requirements for a Minor in English

Eighteen semester hours including the following:

- A. ENG 2301 and 2310.
- B. Six semester hours of 3000 or 4000-level Literature courses, one course of which must be British and one of which must be American.
- C. Six semester hours of 3000 or 4000-level English electives (may include Creative Writing, Linguistics, Literature, Professional Writing and Rhetoric or Special Topics courses)
- D. A grade of "C" or better in courses used for the major.

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 and a major in English, as well as additional coursework at the graduate level. (See Graduate Catalog for details of graduate requirements, including eligibility and admission).

PROFESSIONAL WRITING AND RHETORIC

B.A. Degree

Requirements for a Major in Professional Writing and Rhetoric

Thirty-six semester hours, including the following:

- A. ENG 1310.
- B. ENG 2301.
- C. Nine semester hours from Core Courses: PWR 2314, 3318, and 4377.
- D. Six semester hours from Lecture Courses: PWR 3313, 3316, 3317, 3326, 4323, or 4375.
- E. Nine semester hours from Workshop or Project-Based Courses: PWR 3300, 3303, 3309, 3321, 3385, 4309, 4311, 4321, 4348 or 4349.
- F. Three semester hours of 3000 or 4000-level literature courses.
- G. Three semester hours of English Department electives at the 3000 or 4000 level taken from literature, creative writing, or linguistics courses (non-PWR courses).
- H. A grade of "C" or better in courses used for the major
- I. At least 9 hours of 3000-4000-level courses in the department.

Requirements for a Secondary Major in Professional Writing and Rhetoric

Thirty semester hours including the following:

- A. Six semester hours from Core Courses: PWR 2314, 3318, and 4377.
- B. Six semester hours from Lecture Courses: PWR 3313, 3316, 3317, 3326, 4323, or 4375.

- C. Twelve semester hours from Workshop or Project-Based Courses: PWR 3300, 3303, 3309, 3321, 3385, 4309, 4311, 4321, 4348, 4349, or 4377.
- D. Three semester hours of 3000 or 4000-level literature courses.
- E. Three semester hours of English Department electives at the 3000 or 4000 level taken from literature, creative writing, or linguistics courses (non-PWR courses).
- F. A grade of "C" or better in courses used for the major.
- G. At least 9 hours of 3000-4000-level courses in the department.

Requirements for a Minor in Creative Writing

Eighteen semester hours including all courses from one of the following options:

- A. Option One: Creative Writing, Poetry
 - 1. ENG 3304.
 - 2. Six semester hours of ENG 4305 (take course twice).
 - 3. Three semester hours from: ENG 4371, 4385, or 4391.
 - 4. Six semester hours of 3000 - 4000-level English courses.
- B. Option Two: Creative Writing, Fiction
 - 1. ENG 3306.
 - 2. Six semester hours of ENG 4301 (take course twice).
 - 3. Three semester hours from ENG 3374, 4369, 4378, or 4387.
 - 4. Six semester hours of 3000 - 4000-level English courses.
- C. A grade of "C" or better in course used for the minor.

LINGUISTICS

B.A. Degree

Requirements for a Major in Linguistics

Twenty-seven semester hours including the following:

- A. LING 3310, 4302, 4303, and 4305.
- B. Twelve semester hours selected from: LING 3311, 3315, 3319, 4311, 4312, 4313, 4314, 4315, 4318, 4319, or 4V20.
- C. Three additional semester hours selected from any of the courses not counted above or selected from the following courses: LING 3312, TED 4312, SPA/FRE/GER 4315, PHI 4345, PHI 4353, PSY 3311.
- D. A grade of "C" or better in courses used for the major.

Required courses in other fields:

Complete any four courses from the following less-commonly studied languages at the 1000- or 2000-levels: ARA, ARB, CHI, GRK, HEB, JPN, KOR, RUS, SAN, SWA, American Sign Language (CSD 1405, 1406, 2301, 2302), LING 1V99, LING 2V99, or from the list below. **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.*
 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 (Advanced New Testament Greek); JPN 3301 (Japanese Reading Development); JPN 3302 (Japanese Reading Skills); 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).

Requirements for a Minor in Linguistics

Eighteen semester hours including the following:

- A. LING 3310, 4302, 4303, 4305.
- B. Two courses selected from the following: LING 3311, 3315, 3319, 4311, 4313, 4314, 4315, 4318, 4319.
- C. A grade of "C" or better in courses used for the minor.

DEPARTMENT OF ENVIRONMENTAL SCIENCE

The department of Environmental Science requires a minimum GPA of 2.0 in the first 15 hours of ENV courses that are counted to complete requirements in the major. Students who do not have the required minimum GPA in ENV courses after completion of the first 15 hours will be placed on probation for one semester in the major. The Department of Environmental Science also requires 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.A. Degree

Requirements for a Major in Environmental Studies

Thirty-seven semester hours (or twenty-eight semester hours if double major emphasis) including the following:

- A. ENV 1101 and 1301, and 2307.
- B. At least three semester hours from each of the following categories:
 1. Environment and Society: ENV 2376, 3320, 4310, 4323, 4337, 4389, 4393 or 4410.
 2. Law and Policy: ENV 3300 or 4307.
 3. Environmental Management: ENV 3333, 3337, 3370, 4333, 4345, 4355, 4365, 4379, or 4380.
- C. Complete additional requirements for one emphasis and the required courses in other fields for that emphasis:
 - a. Environment and Society Emphasis (thirty-seven semester hours total):
 1. ENV 3210.
 2. An additional six semester hours from: Environment and Society as listed above.
 3. At least three semester hours of Environmental Science: ENV 3306, 3308, 3314, 3316, 3333, 4313, 4318, 4365, 4370, or 4450.
 4. At least three semester hours of research, internship, team project, thesis, or field studies from: ENV 1V9R, 2V9R, 3301, 3V90, 3V93, 3V9R, 4199 and 4299, 43C2, 4102, 4302, 4315, 4318, 4332, 4377, 4394, 4613, 4680, 4V90, 4V93, or 4V9R.
 5. Seven semester hours of additional environmental science electives (for the minimum of thirty-seven semester hours required for the major).
Required courses in other fields (for Environment and Society Emphasis):
 1. Chemistry – At least three hours from CHE 1300, 1301, or 1405.
 2. Life Science – At least three hours from BIO 1105, 1106, 1305, 1306, or 1401.
 3. Physical Science – At least three hours from CHE 1302 or 1341, GEO 1401, 1402, 1403, ENV 4485 or 4487.
 4. Data Evaluation – At least three hours from STA 1380 or 2381, ECO 1305 or 2306.
 - b. Natural Resources Management Emphasis (thirty-seven semester hours total):
 1. ENV 3210 and ENV 3306.
 2. An additional six semester hours from: Environmental Management as listed above.
 3. At least three semester hours from Environmental Quality and Health: ENV 3314, 3316, 3333, 3387, 4318, or 4370.
 4. At least one semester hour of laboratory from: ENV 3106, 3108, 3133, 3187, 4170, 4V13, 4450 (with lab).
 5. At least three semester hours of research, internship, team project, thesis, or field studies from: ENV 1V9R, 2V9R, 3301, 3V90, 3V93, 3V9R, 4199 and 4299, 43C2, 4102, 4302, 4315, 4332, 4377, 4394, 4613, 4680, 4V90, 4V93, or 4V9R.
 6. Three semester hours of additional environmental science electives (for the minimum of thirty-seven semester hours required for the major).
Required courses in other fields (for Natural Resources Management Emphasis):
 1. Chemistry – At least four hours from CHE 1300 and 1100, 1301 and 1101, or 1405.
 2. Life Science – At least four hours from BIO 1105, 1106, 1305, 1306, or 1401.
 3. Physical Science – At least four hours from ENV 4485
 4. Data Evaluation – At least three hours from STA 1380 or 2381, ECO 1305 or 2306.
 - c. Emphasis if two majors (twenty-eight semester hours total):
 1. At least three semester hours from each of the following categories:
 - a. Environmental Science: ENV 3306, 3308, 4313, 4318, or 4450.
 - b. Environmental Quality and Health: ENV 3314, 3316, 3333, 3387, or 4370.
 2. Six semester hours of additional environmental science electives at or above the 3000 level (for the minimum of twenty-eight semester hours required in the major)

Required courses in other fields (for emphasis if two majors):

1. Chemistry – At least three hours from CHE 1300, 1301, or 1405.
 2. All the major requirements in another department or study program on the B.A. degree.
- D. At least fifteen semester hours of the entire environmental studies major must be “3000” - “4000” level courses.
 - E. No more than 4 hours of variable hour courses may be applied to the major: ENV 1V9R, 2V9R, 3V90, 3V9R, 4V50, 4V90, 4V93, 4V9R.
 - F. A minimum GPA of 2.0 in the first 15 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 15 hours will be placed on probation for one semester in the major.
 - G. 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.

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 for details of graduate requirements, including eligibility and admission).

B.S. Degree

Requirements for a Major in Environmental Health Science

Thirty-seven semester hours including the following:

- A. ENV 3100, 3314, 3316, 3387-3187, 3370, 4325, 4344, 4345.
- B. One of the following: ENV 4307 or 3300.
- C. Three semester hours in: ENV 4V93.
- D. Eight semester hours of additional environmental science electives (for the minimum of 37 semester hours required for the major) from the following: ENV 2307, 3210, 4307, 4310, 4318, 4327, 4355, 4370/4170, 4373, 4380, 4397, 4485, 4V9R (3 hours).
- E. A minimum GPA of 2.0 in the first 15 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 15 hours will be placed on probation for one semester in the major.
- F. 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.

Required courses in other fields:

- A. CHE 1301-1101, 1302-1102.
- B. CHE 3331.
- C. MTH 1321.
- D. STA 2381.
- E. BIO 1305, 1105, 1306, 1106, 2106, 2306, 3122, 3322.
- F. PUBH 2331 and PUBH 3351.
- G. NUTR 1401.
- H. One of the following: BIO (1302 and 1102) or (4302 and 4102).
- I. One of the following: PHY 1408 or 1420.
- J. One of the following: ENV 2376; REL 4393 or 4395.

B.S. Degree

Requirements for a Major in Environmental Science

Forty-one semester hours (or thirty-one semester hours if double major emphasis) including the following:

- A. ENV 1301, 2307, 3387, 4102, 43C2 and [4370 or 3314].
- B. Three hours from each category:
 1. Law and Policy: ENV 3300, 4307, or 4323.
 2. Environmental Management: ENV 3333, 3337, 3370, 4333, 4345, 4355, 4365, 4379 or

4380.

- C. Complete additional requirements for one emphasis and the required courses in other fields for that emphasis:
- a. Natural Science Emphasis (forty-one semester hours total):
 1. ENV 3210, 3187 and 3188.
 2. An additional three semester hours from: Environmental Management as listed above.
 3. At least three semester hours from Environmental Quality and Health: ENV 3314, 3316, 3333, 4325, 4344, or 4370 and 4170.
 4. At least six semester hours of Environmental Science: ENV 3306, 3308 and 3108, 4313, 4318, 4380, 4397, or 4450.
 5. At least three semester hours of research, internship, team project, thesis, or field studies from: ENV 1103, 1V9R, 2V9R, 3106, 3133, 3137, 3V90, 3V9R, 4386, 4485, 4487, 4613, 4680, 4V90 4V93, or 4V9R.

Required courses in other fields (for Natural Science Emphasis):

 1. Chemistry – CHE 1301 and 1101, 1302 and 1102, and 3331.
 2. Data Evaluation – MTH 1321 and 1322 or STA 2381.
 3. Biology – BIO 1305 and 1105, 1306 and 1106.
 4. One of the following: GEO 1401, 1402, 1403, 1405, 1408, or GEOG 1404.
 5. One of the following: PHY 1408 or 1420.
 - b. Environmental Chemistry Emphasis (forty-one semester hours total):
 1. ENV 3210, 3187 and 3188.
 2. At least three semester hours from Environmental Quality and Health: ENV 3316, 4318, 4344, 4370 and 4170, 4485.
 3. At least nine additional semester hours of chemistry from the following: ENV 3216, 3316, 4304, 4318, 4373, or 4390.
 4. Three semester hours of additional environmental science electives (for the minimum of forty-one semester hours required for the major).

Required courses in other fields (for Environmental Chemistry Emphasis):

 1. Chemistry – CHE 1301 and 1101, 1302 and 1102, and 3331.
 2. Data Evaluation – MTH 1321 and 1322 or STA 2381.
 3. Biology – BIO 1305 and 1105, 1306 and 1106.
 4. One of the following: Geo 1401, 1402, 1403, 1405, 1408.
 5. One of the following: PHY 1408 or 1420.
 - c. Emphasis if two majors (thirty-one semester hours total):
 1. ENV 1101
 2. ENV 3210 or 3187 and 3188
 3. Three hours from each of two categories:
 - a. Environment and Society: ENV 2376, 3320, 4310, 4323, 4337, 4350, 4365, 4389, 4393, or 4410.
 - b. Environment Science: ENV 3306, 3308 and 3108, 4313, 4318, 4371, or 4450.
 - c. Environmental Quality and Health: ENV 3314, 3316, 3333, 4325, 4344, or 4370 and 4170.

Required courses in other fields (for emphasis if two majors):

 1. Physical Science – At least three hours from GEO 1401, 1402, 1403, ENV 4485 or 4487.
 2. Data Evaluation – At least three hours from STA 2381, ECO 1305 or 2306.
 3. All the major requirements in another department or study program on the B.S. degree.
- D. At least fifteen semester hours of the entire environmental science major must be “3000” - “4000” level courses.
- E. No more than 4 hours of variable hour courses may be applied to the major: ENV 1V9R, 2V9R, 3V90, 3V9R, 4V50, 4V90, 4V93, or 4V9R.
- F. A minimum GPA of 2.0 in the first 15 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 15 hours will be placed on probation for one semester in the major.
- G. 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.

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 for details of graduate requirements, including eligibility and admission).

Requirements for a Minor in Environmental Studies

Nineteen semester hours including the following:

- A. ENV 1101 and 1301.
- B. At least three semester hours from: ENV 2376, 3300, 3320, 4307, 4310, 4350, or 4393.
- C. At least three semester hours from: ENV 2307, 3306, 3314, 3387, 4370.
- D. Nine semester hours of additional environmental science electives (to total a minimum of nineteen semester hours required for the minor).
- E. Note: At least nine semester hours of the entire environmental studies minor must be at the “3000” - “4000” level courses.

Human life quality is threatened by a rapidly deteriorating environment. Causes and effects of this problem have economic, political, cultural, and physical attributes. Solutions will be derived from 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.

DEPARTMENT OF FILM AND DIGITAL MEDIA

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, FDM 1199, FDM 1304, and FDM 2360. 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 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.)

B.A. Degree

Requirements for a Major in Film and Digital Media

Thirty-five semester hours including the following:

- A. FDM 1198, 1199, 1304, (2360 or 3361), (2351 or 2352), (3372 or 3373 or 3374) and 4340.
- B. The remaining eighteen hours for the major must be taken from FDM courses.
- C. At least fifteen of the thirty-five semester hours must be at the “3000” or “4000” level.
- D. Students are strongly encouraged to register in FDM 1101 during their first semester on campus.

Requirements for a Secondary Major in Film and Digital Media:

Thirty-two semester hours including the following:

- A. FDM 1198, 1199, 1304, (2360 or 3361), (2351 or 2352), and 4340.
- B. Eighteen additional semester hours of FDM courses.
- C. NOTE: At least fifteen of the thirty semester hours in the major must be “3000” or “4000” level.
- D. Students are strongly encouraged to register in FDM 1101 during their first semester on campus.

Requirements for a Minor in Media Management

Eighteen semester hours including the following:

- A. FDM 1303 and 3320.

- B. The remaining courses may be any FDM courses.
- C. At least nine of the eighteen semester hours must be at the “3000” or “4000” level.

Requirements for a Minor in Film and Digital Media

Twenty semester hours including the following:

- A. FDM 1198, 1199, 1304, (2360 or 3361), and (3372 or 3373 or 3374).
- B. The remaining nine of the twenty semester hours must be from FDM courses at the “3000” or “4000” level.

The Department of Film and Digital Media offers study 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: (a) 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.

DEPARTMENT OF GEOSCIENCES

GEOLOGY

B.S. Degree

Courses in geology 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.

GENERAL REGULATIONS

Geology students planning to specialize in paleontology should elect courses in biology; those planning to specialize in mineralogy and/or petrology should take more chemistry.

Requirements for a Major in Geology

Forty-six semester hours including the following:

- A. One course from GEO 1401, 1402, 1405.
(Majors are encouraged to take 1405.)
- B. GEO 1106, (1306 or 1307), 3319, 3427, 3430, 3435, 3442, 3445, and 46C3 (Capstone Field Experience).
- C. Nine semester hours of “3000” – “4000” level Geology electives. Note: GEO 4487 will not apply toward the major.
- D. A grade of “C” or better in geology courses used for the major.

Required courses in other fields:

- A. BIO 1306-1106 or BIO 1305-1105 or BIO 1403 or an upper-level biology course.
- B. CHE 1301-1101, 1302-1102.

- C. MTH 1321 and 1322.
- D. PHY 1408 and 1409; or 1420 and 1430.

Requirements for a Secondary Major in Geology

Thirty-four semester hours including the following:

- A. One course from GEO 1401, 1402, 1405. (Majors are encouraged to take 1405).
- B. GEO 1106, (1306 or 1307), 3344, 3427, 3430, 3435, 3442, 3445.
- C. Three semesters hours of “4000” level Geology electives.
- D. A grade of “C” or better in geology courses used for the major.

Requirements for a Minor in Geology

Eighteen semester hours including the following:

- A. GEO 1106, (1306 or 1307).
- B. One course from GEO 1401, 1402, 1405.
- C. At least two courses from GEO 3319, 3427, 3430, 3435, 3445, 4341.
- D. One course from GEO 3344, 3442, 46C3.

GEOPHYSICS

B.S. Degree

A B.S. degree in geophysics provides fundamental skills in solid earth geophysics, including seismic and potential field exploration and earthquake seismology.

Requirements for a Major in Geophysics

Forty-six semester hours including the following:

- A. Four semester hours from GEO 1401, 1402, 1405, or (1109 and 1309).
- B. GEO 1106, (1306 or 1307), 3319, 3427, 3442, (4341 or 4346), 4455, 4457, (4656 or 46C3).
- C. Six semester hours of “4000” level GEO electives. (Note: GEO 4487 will not apply toward the major.)
- D. A grade of “C” or better in geology courses used for the major.

Required courses in other fields:

- A. CHE 1301.
- B. CSI 1430 and 3324.
- C. MTH 1321, 1322, 2311, 2321, 3325, and 3326.
- D. PHY 1420, 1430, 2360, (3320 or 3330).
- E. Any two “3000” or “4000” level courses or one four-hour course selected from geology or the four fields above. These courses must be approved by the student’s advisor.

EARTH SCIENCE

B.A. Degree

The B.A. degree is **not** a professional degree in geology. It may be combined with a major in environmental studies.

Requirements for a Major in Earth Science

Thirty-four semester hours including the following:

- A. One course from GEO 1401, 1402, 1405. (Majors are encouraged to take GEO 1405.)
- B. GEO 1106, (1306 or 1307), 3344, 3427, 3435, 3442, 3445, (4341 or 4346), 4485.

Required courses in other fields:

- A. MTH 1321 or STA 1380.
- B. PHY 1408 or 1420 or 1455 (for those without MTH 1321).
- C. CHE 1300 and 1100 or 1301 and 1101.

Requirements for a Major in Earth Science (when combined with a Major in Environmental Studies)

Thirty-four semester hours including the following:

- A. One course from GEO 1401, 1402, 1405. (Majors are encouraged to take GEO 1405.)
- B. GEO 1106, (1306 or 1307), 3344, 3427, 3435, 3442, 3445, 4341, 4485.

Required course in other field:

ENV 4345.

Requirements for a Minor in Earth Science

Eighteen semester hours including the following:

- A. GEO 1106, (1306 or 1307).
- B. One course from GEO 1401, 1402, 1405. (Minors are encouraged to take GEO 1405.)
- C. One course from GEO 3427, 3435, 3442, 46C3.
- D. A minimum of seven semester hours of “3000” or “4000” geology or earth science electives.

GREAT TEXTS PROGRAM

(See Honors College.)

DEPARTMENT OF HISTORY

B.A. Degree

Requirements for a Major in History

Thirty-six semester hours of history including the following:

- A. HIS 1305, 1307, 2365, 2366, and 2395.
- B. An additional six semester hours in U.S. history at the “3000” or “4000” level.
- C. An additional six semester hours in European history at the “3000” or “4000” level.
- D. An additional six semester hours in Global history (African, Asian, Latin American, Middle Eastern, or transnational) at the “3000” or “4000” level.
- E. An additional three semester hours of history electives (excluding HIS 1300).
- F. At least nine of the thirty-six semester hours must be at the “4000” level.
- G. Students completing World Cultures I, II, III, and IV in the Baylor Interdisciplinary Core receive credit toward the major for HIS 1305 and HIS 1307.
- H. A grade of “C” or better must be earned in HIS courses used for the major. HIS 1300 does not calculate into the major grade point average.

Requirements for a Major in History (Secondary History Education Concentration)

Thirty-six semester hours of history including the following:

- A. HIS 1305, 1307, 2365, 2366, and 2395.
- B. An additional six semester hours in U.S. history at the “3000” or “4000” level.
- C. An additional six semester hours in European history at the “3000” or “4000” level.
- D. An additional six semester hours in Global history (African, Asian, Latin American, Middle Eastern, or transnational) at the “3000” or “4000” level.
- E. An additional three semester hours of history electives (excluding HIS 1300).
- F. At least nine of the thirty-six semester hours must be at the “4000” level.
- G. Students completing World Cultures I, II, III, and IV in the Baylor Interdisciplinary Core receive credit toward the major for HIS 1305 and HIS 1307.
- H. A grade of “C” or better must be earned in HIS courses used for the major. HIS 1300 does not calculate into the major grade point average.

Required courses in other fields:

- A. TED 2112
- B. TED 2340
- C. TED 3340
- D. TED 3341
- E. TED 3385
- F. TED 3386

- G. TED 4341
- H. TED 4640 and 4641 or TED 4642 and 4643
- I. A grade of “B” or better must be earned in all TED courses.
- J. Students must maintain an overall GPA of 2.75 or higher for certification.

This program is designed for students interested in history education and certification to teach secondary history.

JOINT BACHELOR OF ARTS WITH MASTER OF ARTS IN MUSEUM STUDIES

To earn a joint BA/MA in History and 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 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 and a major in History, as well as additional coursework at the graduate level. (See Graduate Catalog for details of graduate requirements, including eligibility and admission).

Requirements for a Secondary Major in History

Thirty-three semester hours of history including the following:

- A. HIS 1305, 1307, 2365, 2366, and 2395.
- B. An additional six semester hours in U.S. history at the “3000” or “4000” level.
- C. An additional six semester hours in European history at the “3000” or “4000” level.
- D. An additional six semester hours in Global history (African, Asian, Latin American, Middle Eastern, or transnational) at the “3000” or “4000” level.
- E. At least nine of the thirty-six semester hours must be at the “4000” level.
- F. Students completing World Cultures I, II, III, and IV in the Baylor Interdisciplinary Core receive credit toward the major for HIS 1305 and HIS 1307.
- G. A grade of “C” or better must be earned in HIS courses used for the major.
- H. HIS 1300 does not fulfill requirements for the secondary major and 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.

Requirements for a Minor in History

Eighteen semester hours including the following:

- A. Three courses from HIS 1300, 1305, 1307, 2365, or 2366.
- B. Nine of the eighteen semester hours must be at the “3000” or “4000” level.
- C. Students completing World Cultures I, II, III, and IV in the Baylor Interdisciplinary Core receive credit toward the minor for HIS 1305 and HIS 1307.

Requirements for a Minor in Military Studies

Eighteen semester hours including the following:

- A. HIS 2370: History of Warfare
- B. Three semester hours from: HIS 4313, HIS 4354, HIS 4363, HIS 4368, HIS 4379, HIS 4391, HIS 4393, HIS 4394
- C. Three semester hours from: PSC 3315, PSC 3325, PSC 3335, PSC 3355, PSC 4316, PSC 4346, PSC 4355, PSC 4385, PSC 4396
- D. Nine semester hours from: AS 4301, CLA 3350, REL 3394 and courses not used to fulfill a requirement in Category B or C.

HONORS PROGRAM

(See Honors College.)

INTERNATIONAL STUDIES

(See Political Science Programs.)

DEPARTMENT OF JOURNALISM, PUBLIC RELATIONS AND NEW MEDIA

B.A. Degree

Requirements for a Major in Journalism

Thirty-three semester hours including the following:

- A. Complete one Sequence:
 1. Sequence I: News Editorial (33 hours)
 - a. JOU 2303, 3325, 3355, 3375, (3376 or 4359), 4325, 4340, and 4380.
 - b. JOU 3355 or 4325 or 4340.
 - c. Nine semester hours of any level JOU electives, not to include JOU 3372.
 2. Sequence II: Public Relations (33 hours)
 - a. JOU 2303, 3325, 3367, (3374 or 3375 or 3389), 4368, 4371, and 4380.
 - b. JOU 3355 or 4325 or 4340.
 - c. Nine semester hours of any level JOU electives, not to include JOU 3372.
 3. Sequence III: Advertising (33 hours)
 - a. JOU 2303, (3320 or 3367), 3321, 3325, 3369, (3374 or 3375 or 3389), 4315, 4320, and 4380.
 - b. Six semester hours of any level JOU electives, not to include JOU 3372.
 4. Sequence IV: Photojournalism (33 hours)
 - a. JOU 2303, 3325, 3355, 3356, 3357, 3358, 3369, (3374 or 3375 or 3389), 4359, and 4380.
 - b. Three semester hours of any level JOU electives, not to include JOU 3372.
- 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.
- C. 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. A grade of "C-" or better in courses used for the emphasis area and a GPA of 2.0 or higher on all courses used for the emphasis area.

JOINT BACHELOR OF ARTS WITH MASTER OF ARTS IN MUSEUM STUDIES

To earn a joint BA/MA in Journalism and 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 for details of graduate requirements, including eligibility and admissions.)

Requirements for a Secondary Major in Journalism

Thirty-three semester hours including the following:

- A. Complete one Sequence:
 1. Sequence I: News Editorial (33 hours)
 - a. JOU 2303, 3325, 3355, 3375, (3376 or 4359), 4325, 4340, and 4380.
 - b. Nine semester hours of any level JOU electives, not to include JOU 3372.
 2. Sequence II: Public Relations (33 hours)
 - a. JOU 2303, 3325, 3367, (3374 or 3375 or 3389), 4368, 4371, and 4380.
 - b. JOU 3355 or 4325 or 4340.
 - c. Nine semester hours of any level JOU electives, not to include JOU 3372.
 3. Sequence III: Advertising (33 hours)
 - a. JOU 2303, (3320 or 3367), 3321, 3325, 3369, (3374 or 3375 or 3389), 4315, 4320, and 4380.
 - b. Six semester hours of any level JOU electives, not to include JOU 3372.
 4. Sequence IV: Photojournalism (33 hours)
 - a. JOU 2303, 3325, 3355, 3356, 3357, 3358, 3369, (3374 or 3375 or 3389), 4359, and 4380.
 - b. Three semester hours of any level JOU electives, not to include JOU 3372.

- B. A grade of “C-” or better in JOU courses used for the secondary major and a GPA of 2.0 or higher on all JOU courses.

Requirements for a Minor in Advertising

Eighteen semester hours including the following:

- A. JOU 2303, 3325, 3320 or 3367, 3321, 4315, 4320.
- B. 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.

Requirements for a Minor in News Editorial

Eighteen semester hours including the following:

- A. JOU 2303, 3325, 3355, and 3375.
- B. One course from: JOU 3376, 4359, or 4380.
- C. Three semester hours of “3000” or “4000” level JOU electives, not to include JOU 3372.
- D. 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.

Requirements for a Minor in Photojournalism

Eighteen semester hours including the following:

- A. JOU 2303, 3325, 3355, 3356, and 3357.
- B. One course from: JOU 3376 or 4359.
- C. 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.

Requirements for a Minor in Public Relations

Eighteen semester hours including the following:

- A. JOU 2303, 3325, 3367, (3374 or 3375 or 3389), 4368, and 4371.
- B. 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.

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, new media, 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, photo journalism, 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.

Information concerning a Master of Arts or a Master of International Journalism degree will be found in the Graduate School Catalog.

B.A. Degree

Requirements for a Major in American Studies

- A. All specific and group requirements for the Bachelor of Arts degree.
- B. Thirty-three semester hours including the following:
 1. JOU/FDM 1303 (Introduction to Mass Communication)
 2. AMS 4385 (Seminar in American Studies).
 3. Twenty-seven semester hours of additional courses numbered 3000 or above, with no more than twelve credits from one area such as history, political science, or religion, etc. chosen from the lists below. (Note: Some areas have less than 12 credits offered.)
Area choices:
 - a. English: ENG 3380, 3390, 3393, 4380, 4381, 4383, 4386, 4387, 4389, 4390, 4391, 4394.
 - b. History: HIS 3360, 3362, 3371, 3380, 3384, 4354, 4362, 4363, 4365, 4368, 4369, 4371, 4374, 4375, 4378, 4380, 4383, 4386, 4392, 4395, 4396, 4398.
 - c. Philosophy: PHI 4318, 4342.
 - d. Political Science: PSC 3310, 3320, 3322, 3330, 3339 (cross-listed as REL 3339), 3340, 3353, 4300, 4320, 4361, 4381.
 - e. Religion: REL 3339 (cross-listed as PSC 3339), 3344, 4336, 4338.
 - f. Sociology/Anthropology: SOC 3311, SOC 4322, SOC 4366, ANT 3350, ANT 4353.
 - g. Music/Art: MUS 3322, MUS 3323, MUS 4326, MUS 4365, ART 4356, ART 4357.
 - h. Journalism/Communication: JOU 3376, JOU 4359, CSS 4396.

Note: A course cannot count in two areas. (For instance, PSC 3339 cannot be counted as REL 3339.)

Requirements for a Minor in American Studies

Eighteen semester hours from the following:

- A. AMS 4385 (Seminar in American Studies).
- B. Fifteen semester hours of additional courses numbered 3000 or above 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.

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.

JOINT BACHELOR OF ARTS WITH MASTER OF ARTS IN MUSEUM STUDIES

To earn a joint BA/MA in American Studies and 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 for details of graduate requirements, including eligibility and admissions.)

LEGAL REASONING AND ANALYSIS

(See Multidisciplinary Programs)

DEPARTMENT OF MATHEMATICS

B.A. Degree

Requirements for a Major in Mathematics

Thirty-three semester hours including the following:

- A. MTH 1321, 1322, 2311, 2321, and 3300.
- B. One of MTH 3323 or 4326.
- C. One of MTH 3312 or 4314.
- D. One of MTH 3325, 4312, or 4322.
- E. An additional nine semester hours of mathematics courses at the “3000” level or above.
- F. A grade of “C” or better in thirty-three hours of mathematics courses used for the major.
- G. At least six hours from Items B–E must be at the “4000” level.

Required courses in other fields:

- CSI 1430.

B.A. Degree

Requirements for a Major in Mathematics (Mathematics Education Concentration)

Thirty semester hours including the following:

- A. MTH 1321, 1322, 2311, 2321, 3300, 3312, 3323, 3350, and STA 3381.
- B. Three hours of “4000” level mathematics courses.
- C. A grade of “C” or better in thirty hours of mathematics courses used for the major.

Required courses in other fields:

- A. MTH 3340.
- B. Completion of the Minor in Mathematics Education (School of Education).

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.

JOINT BACHELOR OF ARTS / 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 and a major in Mathematics, as well as additional coursework at the graduate level. (See Graduate Catalog for details of graduate requirements, including eligibility and admission).

B.S. Degree

Requirements for a Major in Mathematics

Thirty-nine semester hours including the following:

- A. MTH 1321, 1322, 2311, 2321, and 3300.
- B. One of MTH 3323 or 4326.
- C. One of MTH 3312 or 4314.
- D. One of MTH 3325, 4312 or 4322.
- E. An additional fifteen semester hours of mathematics courses at the “3000” level or above.
- F. A grade of “C” or better in thirty-nine hours of mathematics courses used for the major.
- G. At least six hours from items B–E must be at the “4000” level.

Required courses in other fields:

- A. CSI 1430.
- B. Eight semester hours of science courses with appropriate labs selected from: BIO 1305-1105; BIO 1306-1106; CHE 1301-1101; CHE 1302-1102; ENV 1301-1101; GEO 1106, (1306 and 1307); One GEO from: 1401, 1402, 1403, 1405, 1408, NSC 1306-1106; PHY 1420; PHY 1430.

B.S. Degree

Requirements for a Major in Mathematics (Mathematics Education Concentration)

Thirty-three semester hours including the following

- A. MTH 1321, 1322, 2311, 2321, 3300, 3312, 3323, 3350, and STA 3381.

- B. Six hours of “3000” or “4000” level mathematics courses including at least three hours at the “4000” level.
- C. A grade of “C” or better in thirty-three hours of mathematics courses used for the major.

Required courses in other fields:

- A. MTH 3340.
- B. Eight semester hours of science courses with appropriate labs selected from: BIO 1305-1105; BIO 1306-1106; CHE 1301-1101; CHE 1302-1102; ENV 1301-1101; GEO 1106, (1306 and 1307); One GEO from: 1401, 1402, 1403, 1405, 1408, NSC 1306-1106; PHY 1420; PHY 1430.
- C. Completion of the Minor in Mathematics Education (School of Education).

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.

B.S. Degree

Requirements for a Major in Applied Mathematics

Thirty-nine semester hours including the following:

- A. MTH 1321, 1322, 2311, 2321, 3300, and STA 3381.
- B. One of MTH 3312, 3323, 4314, or 4326.
- C. Three courses from one of the following groups: (A student applying for medical school is recommended to select Group 1 and select MTH 3325 in item D.)
 - Group 1. STA 4382, 4385, 4386, 4387.
 - Group 2. MTH 3325, 3326, 4329.
 - Group 3. MTH 3324, 4322, 4328.
- D. An additional nine hours of mathematics courses at the “3000” level or above.
- E. At least three courses selected in Items B, C and D must be at the “4000” level.
- F. A grade of “C” or better in thirty-nine hours of mathematics courses used for the major.

Required courses in other fields:

- A. CSI 1430 and CSI 1440.
- B. Eight semester hours of science courses with appropriate labs selected from: BIO 1305-1105; BIO 1306-1106; CHE 1301-1101; CHE 1302-1102; ENV 1301-1101; GEO 1106, (1306 and 1307); One GEO from: 1401, 1402, 1403, 1405, 1408, NSC 1306-1106; PHY 1420; PHY 1430.

JOINT BACHELOR OF SCIENCE / 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 and a major in Applied Mathematics, as well as additional coursework at the graduate level. (See Graduate Catalog for details of graduate requirements, including eligibility and admission).

Requirements for a Secondary Major in Mathematics

Thirty-three semester hours including the following:

- A. MTH 1321, 1322, 2311, 2321, 3300, 3325.
- B. One of MTH 3312, 3323, 4314 or 4326.
- C. Twelve semester hours of additional “3000-4000” level MTH or STA electives that apply toward the mathematics major (such courses are listed in the current undergraduate catalog).
- D. A grade of “C” or better in each of the eleven courses used on the major.

Requirements for a Minor in Mathematics

Twenty-one semester hours including the following:

- A. MTH 1321, 1322, 2311, and 2321.
- B. Three “3000” or “4000” level mathematics courses that count toward a mathematics major.
- C. A grade of “C” or better in all mathematics courses used for the minor.

Note: It is recommended that majors complete MTH 1321, 1322, 2311, 2321 and 3300 within their first two years. 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.

Note: Students planning to go to graduate school in mathematics should include MTH 4326, 4327, 4314, and 4316 in their course of study.

Note: Advanced level Statistics courses, STA, may be counted toward elective hours in the major and the minor.

MEDICAL HUMANITIES

(See Multidisciplinary Programs.)

DEPARTMENT OF MILITARY SCIENCE

Military Science 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 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 further described below.

Pass/Fail or Credit/No Credit Options. Military Science classes may not be taken on the Pass/Fail or No Credit basis.

Basic Course. The Basic Course should include MILS 1101, 1102, 2201, and 2202. 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 the 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 upperclass cadets who are responsible for planning and executing each lab period under the guidance of seasoned Army officers and noncommissioned officers.

DEPARTMENT OF MODERN LANGUAGES AND CULTURES

DIVISION OF FRENCH AND ITALIAN

B.A. Degree

Requirements for a Major in French

Thirty semester hours of French with twenty-seven of these hours at the “3000-4000” level including the following:

- A. FRE 3301 and 43C0.
- B. (FRE 3337 and FRE 3338) or (FRE 4331 and FRE 4332).
- C. At least six semester hours at the “4000” level are required in the thirty hours for the major.
- D. Majors in French will receive three hours of credit for FRE 2320. FRE 1301, 1302, 1412, and 2310 will not apply as electives on the 30 hours required in the major.

Requirements for a Secondary Major in French

Twenty-seven semester hours of French with twenty-one of these hours at the “3000-4000” level including the following:

- A. FRE 3301 and 43C0
- B. (FRE 3337 and FRE 3338) or (FRE 4331 and FRE 4332).
- C. At least six semester hours at the “4000” level are required in the twenty-one hours of advanced level courses in the major.
- D. Secondary Majors in French will receive six hours of credit for FRE 2310 and 2320. FRE 1301, 1302, and 1412 will not apply as electives on the 27 hours required in the major.

Requirements for a Minor in French

Eighteen semester hours including twelve at the “3000” or “4000” level.

Minors in French will receive six hours of credit for FRE 2310 and 2320.

Recommended electives: any other language, linguistics, English, art, history, philosophy.

Requirements for a Secondary Major in Italian Studies

Thirty semester hours including the following:

- A. Twenty-four semester hours of Italian with eighteen of these at the “3000-4000” level.
- B. Six semester hours selected from the following options: ANT 4341; ART 3353/CLA 3353; ART 3357; ART 3361/CLA 3361; ART 4365; ART 4366; ART 4367; ART 4368/CLA 4368; ART 4369/CLA 4369; ART 4370; CLA 3301; GTX 4330; HIS 4324; MUS 4325; OR six additional semester hours of Italian at the “3000” or “4000” level.
- C. Secondary Majors in Italian will receive six hours of credit for the two courses at the “2000” level. ITA 1301 or 1302 will not apply as electives on the 30 hours required in the major.

Requirements for a Minor in Italian

Eighteen semester hours including twelve at the “3000” or “4000” level.

Recommended electives: any other language, linguistics, English, art, history, philosophy.

DIVISION OF GERMAN AND RUSSIAN**B.A. Degree****Requirements for a Major in German**

Thirty semester hours including the following:

- A. GER 3301.
- B. Twenty-one additional semester hours at the “3000-4000” level, of which at least six semester hours are at the “4000” level .

Requirements for a Secondary Major in German

Thirty semester hours including the following:

- A. GER 3301.
- B. Twenty-one additional semester hours at the “3000-4000” level, of which at least six semester hours are at the “4000” level.

Requirements for a Minor in German

Eighteen semester hours including twelve at the “3000” or “4000” level.

Note: Only one course from GER 3341 or 3345 will apply on the German minor.

Recommended electives: any other foreign language, English, history, philosophy.

B.A. Degree**Requirements for a Major in Russian**

Twenty-seven semester hours including the following:

- A. RUS 3301.
- B. At least six semester hours at the “4000” level and nine additional semester hours at the “3000” or “4000” level.

Requirements for a Secondary Major in Russian

Twenty-seven semester hours including the following:

- A. RUS 3301.
- B. At least six semester hours at the “4000” level and nine additional semester hours at the “3000” or “4000” level.

Requirements for a Minor in Russian

Eighteen semester hours including twelve at the “3000” or “4000” level.

Recommended electives: courses from the Slavic Studies East European Program.

DIVISION OF SPANISH AND PORTUGUESE**B.A. Degree****Requirements for a Major in Spanish**

Thirty-three semester hours including the following:

- A. SPA 3302, 3305, 3309, and 4330.
- B. Three semester hours from: SPA 3310 or 3311.
- C. Nine semester hours from: SPA 3350, 3352, 3354, or 3356.
- D. Three semester hours from: SPA 4303 or 4304.
- E. Six semester hours from: SPA 4305, 4315, 4362, 4363, 4364, 4366, 4372, 4375, 4376, 4378, or 4388.

Requirements for a Secondary Major in Spanish

Thirty semester hours of Spanish with twenty-four of these hours at the “3000-4000” level including the following:

- A. SPA 3302, 3305, 3309, and 4330.

- B. Six semester hours of additional “4000” level SPA electives.
- C. Secondary Majors in Spanish will receive six hours of credit for two courses at the “2000” level from SPA 2304, 2310, 2311, 2312, 2320, 2321, and 2322. SPA 1401, 1402, and 1412 will not apply as electives on the 30 hours required in the major.

Requirements for a Minor in Spanish

Eighteen semester hours including the following:

- A. SPA 3302, 3305, and 3309.
- B. Three semester hours from: SPA 3310 or 3311.
- C. Three semester hours from: SPA 3350, 3352, 3354, or 3356.
- D. Three semester hours of “4000” level Spanish elective.

Requirements for a Certificate in Spanish for Healthcare Professions

Twelve semester hours including the following:

- A. SPA 2321, 3302, and 4321.
- B. Three semester hours from: SPA 3305, 3309, 3311 (or another 3000-4000 level SPA course approved by the certificate administrator).
- C. A healthcare-related project of the student’s choice that also meets with instructor and certificate administrator approval. A contract will be given to all participating students.
- D. A grade of “B” or better in each SPA course used for the certificate.

Recommended electives: any other foreign language, English, history, philosophy.

The department also offers courses in Portuguese through the fourth semester.

DIVISION OF ASIAN AND AFRICAN LANGUAGES

B.A. Degree

Requirements for a Major in Arabic and Middle East Studies

A minimum of twenty-seven semester hours including the following:

- A. ARB 2310, ARB 2320.
- B. 9 semester hours of ARB courses at the “3000” or “4000” level.
- C. HIS 3311 or HIS 4312.
- D. MES 2301.
- E. 6 semester hours selected from the following: HIS 3311 (if not used above), HIS 4312 (if not used above), HIS 4313, MES 4378, MES 4V01, PSC 4334, PSC 4379, REL 4343, ARB courses at the “3000” or “4000” level (if not used above).

Recommended electives: any other foreign language, Business, English, History, Political Science, Religion.

Requirements for a Secondary Major in Arabic and Middle East Studies

Twenty-seven semester hours including the following:

- A. ARB 2310, ARB 2320.
- B. 9 semester hours of ARB courses at the “3000” or “4000” level.
- C. HIS 3311 or HIS 4312.
- D. MES 2301.
- E. 6 semester hours selected from the following: HIS 3311 (if not used above), HIS 4312 (if not used above), HIS 4313, MES 4378, MES 4V01, PSC 4334, PSC 4379, REL 4343, ARB courses at the “3000” or “4000” level (if not used above).

Requirements for a Minor in Arabic

Eighteen semester hours including nine at the “3000” or “4000” level.

Recommended electives: any other foreign language, English, history, philosophy.

Requirements for a Minor in Chinese

Eighteen semester hours including nine at the “3000” or “4000” level.

Recommended electives: any other foreign language, English, history, philosophy.

Requirements for a Minor in Japanese

Eighteen semester hours including nine at the “3000-4000” level.

Recommended electives: any other foreign language, English, history, philosophy.

The department also offers courses in Korean and Swahili through the fourth semester.

AREA STUDIES PROGRAMS

Requirements for a Major in Asian Studies

Information on requirements for a major in Asian Studies:

- A. All specific and group requirements for the bachelor of arts degree, including HIS 1305 and HIS 1307.
- B. Requirements in the major—Thirty semester hours in the major, satisfied by completing:
 1. Eighteen hours from the Asian Studies Core
 2. Twelve hours from the International Foundation courses.
- C. There are two versions of the major:
 1. General version of the major requires the completion of the above requirements.
 2. Intensive version of the major requires an additional requirement: Completion of a directed research project (AST 4390 Directed Reading and Research in Asian Studies) or a study abroad or internship experience in Asia.
- D. Fourteen semester hours in a modern Asian language are required in other fields.

B.A. Degree

Requirements for a Major in Asian Studies

Thirty semester hours including the following:

- A. Group I — Asian Studies Core: 18 semester hours selected from : AST 2380; AST 3305/HIS 3305; AST 3307/HIS 3307; AST 3315/GEOG 3315; AST 3V80; AST 3390; AST 4305/HIS 4305; AST 4310/ANT 4310; AST 4325/PSC 4325; AST 4335/ECO 4335; AST 4340/PHI 4340; AST 4346/REL 4346; AST 4350; AST 4364/PSC 4364; AST 4374/PSC 4374; AST 4376/MLC 4376; AST 4V80; AST 4388; AST 4390; CHI 3301; CHI 3302; CHI 3305; CHI 3306; CHI 3310; CHI 3V70; CHI 4301; CHI 4302; JPN 3301; JPN 3302; JPN 3303; JPN 3304; JPN 3305; JPN 3306; PSC 4344.
- B. Group II — International Foundation Courses: 12 Semester hours selected from: ANT 1306; 1310; AST 3314/PCS 3314; AST 3345/REL 3345; AST 4338/ECO4338; GEOG 1300; PSC 3304; PSC 3324; PSC 4315.

Required courses in other fields:

- A. HIS 1305 and HIS 1307
- B. Fourteen semester hours in a modern Asian language, satisfied by completing one of the following sequences:

Japanese 1301, 1302, 2310, and 2320
 Korean 1301, 1302, 2310, and 2320
 Chinese 1301, 1302, 2310, and 2320

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.
- C. Intensive version:

Study abroad in Asia or Internship experience in Asia or AST 4390 (Directed Reading and Research in Asian Studies). If AST 4390 is counted for hours in the major, a petition must be filed to document completion of this requirement for the Intensive version.

Requirements for a Secondary Major in Asian Studies

Thirty semester hours including the following:

- A. 18 semester hours from the Asian Studies Core, selected from the following: AST 2380; AST 3305/HIS 3305; AST 3307/HIS 3307; AST 3315/GEOG 3315; AST 3V80; AST 3390; AST 4305/HIS 4305; AST 4310/ANT 4310; AST 4325/PSC 4325; AST 4335/ECO 4335; AST 4340/PHI 4340; AST 4346/REL 4346; AST 4350; AST 4364/PSC 4364; AST 4374/PSC 4374; AST 4376/MLC 4376; AST 4V80; AST 4388; AST 4390; CHI 3301; CHI 3302; CHI 3305; CHI 3306; CHI 3310; CHI 3V70; CHI 4301; CHI 4302; JPN 3301; JPN 3302; JPN 3303; JPN 3304; JPN 3305; JPN 3306; PSC 4344.
- B. Twelve (12) semester hours from Area Studies Core selected from the following: ANT 1306;

ANT/GEOG 1310; AST/PSC 3314; AST/REL 3345; AST/ECO 4338; GEOG 1300; PSC 3304; PSC 4315.

Required courses in other fields:

- A. HIS 1305 and HIS 1307
- B. Fourteen semester hours in a modern Asian language, satisfied by completing one of the following sequences:
Chinese (CHI) 1301, 1302, 2310, and 2320
Japanese (JPN) 1301, 1302, 2310, and 2320
Korean (KOR) 1301, 1302, 2310, and 2320
Coursework in other Asian languages, including Russian, Kazak, Uzbek, Turkmen, Kyrgyz, Tajik, Mongolian, Punjabi, Vietnamese, Thai, or others, may be accepted with approval by the appropriate director or advisor for AST.
- C. Intensive Version (in addition to A and B above):
Study abroad or internship experience in Asia or AST 4390--Directed Reading and Research in Asian Studies. If AST 4390 is counted for hours in the major, a petition must be filed to document completion of this requirement for the Intensive version.

Requirements for a Minor in Asian Studies

Eighteen semester hours including the following:

- A. Eighteen semester hours chosen from the Asian Studies Core courses listed in the major:
AST 2380; AST 3305/HIS 3305; AST 3307/HIS 3307; AST 3315/GEOG 3315; AST 3V80; AST 3390; AST 4305/HIS 4305; AST 4310/ANT 4310; AST 4325/PSC 4325; AST 4335/ECO 4335; AST 4340/PHI 4340; AST 4346/REL 4346; AST 4350; AST 4364/PSC 4364; AST 4374/PSC 4374; AST 4376/MLC 4376; AST 4V80; AST 4388; AST 4390; CHI 3301; CHI 3302; CHI 3305; CHI 3306; CHI 3310; CHI 3V70; CHI 4301; CHI 4302; JPN 3301; JPN 3302; JPN 3303; JPN 3304; JPN 3305; JPN 3306; PSC 4344.
- B. The degree language requirement must be met with a modern Asian language.

Enhancing the program of Asian Studies at Baylor are year-abroad, study-for-credit programs in Japan, China, and other Asian countries. For additional information or for academic advisement, contact the advisor.

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.

B.A. Degree

Requirements for a Major in Latin American Studies

Thirty semester hours including the following:

- A. Nine semester hours from Latin American Studies Core:
 1. LAS 2301 and LAS 4350.
 2. Three semester hours from: LAS 3390 or 4390.
- B. Six semester hours from Spanish Literature selected from: SPA 3311, 3354, 3356, 4375, 4376.
- C. Six semester hours of history: HIS 3353 and HIS 3355.
- D. Six semester hours from social sciences and humanities selected from: ANT 3340; ANT 3351; ANT 4680; ECO 4332; ENV 4310; ENV 4350/ANT 4350; HIS 4350/LAS 4351; HIS 4357; LAS 4364/MUS4364; PHI 4331; PSC 4304; PSC 4314.
- E. At least three semester hours of additional electives selected from the courses listed above.

Required courses in other fields:

- A. Spanish, through SPA 2320 or equivalent. Although not required, students are encouraged to take POR 1301, 1302, 2310, and 2320.

Requirements for a Secondary Major in Latin American Studies

Thirty semester hours including the following:

- A. Nine semester hours from Latin American Studies Core:
 1. LAS 2301 and LAS 4350.

2. Three semester hours from: LAS 3390 or 4390
- B. Six semester hours from Spanish Literature selected from: SPA 3311, 3354, 3356, 4375, 4376.
- C. Six semester hours of history: HIS 3353 and HIS 3355
- D. Six semester hours from social sciences and humanities selected from: ANT 3340; ANT 3351; ANT 4680; ECO 4332; ENV 4310; ENV 4350/ANT 4350; HIS 4350/LAS 4351; HIS 4357; LAS 4364/MUS 4364; PHI 4331; PSC 4304; PSC 4314.
- E. At least three semester hours of additional electives selected from the courses listed above.

Required courses in other fields:

- A. Spanish, through SPA 2320 or equivalent. Although not required, students are encouraged to take POR 1301, 1302, 2310, 2320.

Requirements for a Minor in Latin American Studies

Eighteen semester hours including the following:

- A. LAS 2301, 3390, 4350, and 4390.
- B. SPA 3311.
- C. Three semester hours selected from: HIS 3353, HIS 3355, ANT 3351, PSC 4304, or PSC 4314. *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.*

The Latin American studies program provides 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.

Requirements for a Minor in Middle East Studies

Eighteen semester hours including the following:

- A. Twelve semester hours from Middle East Studies Core selected from: ARC 4302/REL 4302; HIS 3311; HIS 4312; MES 2301; PSC 4334; REL 4343. With special permission MES 4V01 may be taken for three hours credit.
- B. Six semester hours selected from: ANT 1310; ANT 4341; ARB 1301 or 1302; ARB 2310 or 2320; ARC 2308, ARC 3303; ARC 4V06; ECO 4321/ENV 4321; HEB 1301 or 1302; HEB 2310 or 2320; HIS 4313; MES 3V00/REL 3V00; MES 4V01; PSC 3314; PSC 3324; REL 2343, REL 4332. In unusual circumstances and with permission, a student may petition to substitute another course with substantial Middle East content for one of these courses.
- C. A grade of "C" or better for courses counting toward the minor.
- D. At least nine of the eighteen hours for the minor must be at the "3000" or "4000" level.

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.

B.A. Degree

Requirements for a Major in Slavic and East European Studies

Twenty-seven semester hours including the following:

- A. SEES/HIS 2380 and SEES 2381/HIS 2381.
- B. RUS 2310 and RUS 2320 or equivalent.

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, Kazakstan, Kyrgyzstan, Uzbekistan, Turkmenistan, Tajikistan, Poland, Czech Republic, Slovakia, Hungary, Romania, Slovenia, Croatia, Bosnia-Herzegovina, Serbia, Montenegro, Macedonia, Albania, Bulgaria.

- C. At least fifteen semester hours selected from the following, with no more than nine hours to be taken in any one field:

- a. ECO 4338
- b. HIS 3340; HIS 3342; SEES/HIS 4379
- c. PSC 3324; PSC 3325; PSC 4325; PSC 4344
- d. REL 3345
- e. RUS 3301; RUS 3302; RUS 3V70; RUS 4301; RUS 4302; RUS 4V90
- f. SEES/MUS 4363
- g. SEES 3V70; SEES 4V90

Required courses in other fields:

- A. All major requirements in another department or study program available on the B.A. Degree.
- B. 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.

Requirements for a Secondary Major in Slavic and East European Studies

Twenty-seven semester hours including the following:

- A. SEES 2380/HIS 2380 and SEES 2381/HIS 2381—Introduction to Slavic and East European Studies I and II.
- B. RUS 2310 and RUS 2320 or certification by CLEP through the intermediate level (2320) in another language represented by the area.
- C. At least fifteen semester hours selected from the following, with no more than nine hours taken in any one field:
 - a. ECO 4338
 - b. HIS 3340; HIS 3342; SEES/HIS 4379
 - c. PSC 3324; PSC 3325; PSC 4325; PSC 4344
 - d. RUS 3301; RUS 3302; RUS 3V70; RUS 4301; RUS 4302; RUS 4V90
 - e. SEES/MUS 4363
 - f. SEES 3V70; SEES 4V90

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.

Requirements for a Minor in World Affairs

Eighteen semester hours including the following:

- A. Six semester hours of foreign language at the "2000" level or above.
- B. Three semester hours selected from Group I: ANT 1310; ENG 2306; HIS 1305; HIS 1307; GEOG 1300; MLC 1101, 3101 (Global Communities—No more than six hours of MLC will apply on the minor.)
- C. Three semester hours selected from Group II: ANT/ENV 4311; ANT/ENV 4327; ECO/GEOG/INB 3330; ECO 3331; ECO/AST/INB 4338; ENV/ANT 4310; ADM 4310; NUTR 4352; CFS 4356; GEOG/SOC 3365; INB 3305; INB 3333; PCS 3324; PSC 3325; MLC 3101 (Global Communities—No more than six hours of MLC will apply on the minor.)
- D. Three semester hours selected from Group III: ENG 3375; ENG 4379; FDM 3351; JOU 3387; MLC 3300; MUS 3321; MUS/ANT 4360; MUS 4366; REL 3345; THEA 3322; MLC 3101 (Global Communities—No more than six hours of MLC will apply on the minor.)
- E. Three additional "3000-4000" level semester hours selected from Groups II or III.

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. **A minimum of nine hours at the "3000" and "4000" level is required. Additional courses may be considered for inclusion in this minor.**

DEPARTMENT OF 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.

B.A. Degree

Requirements for a Major in Museum Studies

Eighteen semester hours including the following:

- A. MST 1300 (3 hours)
- B. MST 4V60 (6 hours)
 - 1. Students may complete one 6-credit hour internship or two 3-credit hour internships.
 - 2. Students must complete 120 to 150 hours of work at an approved site for each 3 hours of credit received.
- C. Twenty-seven hours of coursework selected from at least four of the five concentration areas.
 - 1. Education: MST 2303, 3305, TED 4V98
 - 2. Collections: MST 3304, 4305, 4324
 - 3. Curation: MST 4307, 4308, 4309
 - 4. Administration: MST 4301, 4313
 - 5. Research: MST 3V9R, 4V9R
- D. A minor in a cognate field in the College of Arts and Sciences.
- E. A grade of "C" or better in courses used for the major.

Requirements for a Minor in Museum Studies

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.

Eighteen semester hours including the following:

- A. MST 1300 (3 hours)
 - B. MST 4V60 (3 hours)
 - C. Twelve semester hours selected from at least two of the four concentration areas:
 - 1. Education: MST 2303, 3305
 - 2. Collections: MST 3304, 4305, 4324
 - 3. Curation: MST 4307, 4308, 4309
 - 4. Administration: MST 4301, 4313
 - D. A grade of "C" or better in museum studies courses used for the minor.
- A minimum of nine hours at the "3000" and "4000" level is required.

JOINT BACHELOR OF ARTS AND MASTER OF ARTS IN MUSEUM STUDIES

Students majoring in Museum Studies may apply for the graduate program in their junior year. These students must complete all the requirements for the BA in Museum Studies as well as additional coursework at the graduate level. (See the Graduate Catalog for details of graduate requirements, including eligibility and admissions.)

MUSIC

(See Intrauniversity Programs.)

DEPARTMENT OF PHILOSOPHY

B.A. Degree

Requirements for a Major in Philosophy

Thirty semester hours as follows:

- A. Philosophy Core: (12 semester hours)
 - 1. History: PHI 3310 and 3312
 - 2. Logic: PHI 1306 or 1307 or 4345
 - 3. Ethics: PHI 3301

- B. Philosophy Concentration: Complete One Sequence
 1. Sequence I: (18 semester hours)
 - a. Six semester hours of 4000 level Philosophy courses (other than 4345).
 - b. Twelve semester hours of any level electives.
 2. Sequence II: Pre-Law Concentration (18 semester hours)
 - a. Nine semester hours from the following courses in legal, moral, and political philosophy: PHI 3318, 4318, 4360, 4361, 4385
 - b. Nine hours of any level electives. Additional courses in logic recommended; see section C below for further recommendations.
 3. Sequence III: Philosophy and Medicine (18 semester hours)
 - a. Nine semester hours from the following courses in philosophy of medicine: PHI 1309, 4363, 4300, 4325, 4310.
 - b. Nine hours of any level electives: see section C below for further recommendations.
 4. Sequence IV: Departmental Honors
 - a. Nine semester hours of 4000 level Philosophy courses
 - b. Nine hours of any level electives.
 - c. Requirements in Other Areas: Admission to the Honors Program and completion of upper-division Honors Program Requirements; see Honors Program Handbook or the Honors Program section of the catalog for specific requirements.
- C. In any sequence, a maximum of three semester hours from the following list of courses in other fields may be taken to fulfill elective requirements. Courses not on the list are considered by petition.
 1. ANT 4305
 2. ECO 4338, 4343
 3. HIS 4338, 4339, 4395, 4396
 4. PSC 3339*, 3363, 3373, 4383*
 5. PSY 4327, 4329, 4339†, 4395
 6. REL 4346, 4390, 4393, 4395†
 7. SOC 4309, 4335*, 4353†, 4391

*Courses marked by * are recommended for students with a pre-law concentration; courses marked by † are recommended for pre-health concentration.*

- D. A grade of “C-” or better in all courses applied to the major.
- E. Students completing World Cultures I, II, III, and IV in the BIC receive 6 hours credit toward the philosophy major.

Requirements for a Secondary Major in Philosophy

Twenty-seven semester hours including the following:

- A. Two courses in the History of Philosophy: PHI 3310 and 3312.
- B. One course in Logic: PHI 1306 or 1307 or 4345.
- C. Six semester hours of “4000” level PHI courses (excluding PHI 4345).
- D. Electives: 12 additional semester hours in PHI [NB: A total of 15 of the hours counted toward the major must be upper level (i.e., “3000-4000”).]
- E. A grade of “C-” or better in all courses applied to the major.
- F. Students completing World Cultures I, II, III, and IV in Baylor Interdisciplinary Core receive six semester hours credit toward the major.

Requirements for a Minor in Philosophy

Eighteen semester hours including the following:

- A. At least one course from PHI 1306, 1307, 4345.
- B. Nine semester hours of “3000” or “4000” level courses.
- C. A grade of “C-” or better in all philosophy courses used for the minor.
- D. Students completing World Cultures I, II, III, and IV in the Baylor Interdisciplinary Core curriculum receive six semester hours credit toward the minor.

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 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.

Any student pursuing a major or secondary major within the Department of Physics (BA or BS, all concentrations) must complete PHY 1420 with a grade of “B-” or better in order to enroll in PHY 1430. 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. Any student pursuing a major or secondary major within the Department of Physics (BA or BS, all concentrations) must complete PHY 1430 with a grade of “C” (2.0) or better to enroll in PHY 2350. 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.

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 prehealth 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.

PHYSICS

B.A. Degree

Requirements for a Major in Physics

Thirty-two semester hours including:

- A. PHY 1420, 1430, 2135, 2350, 2360, 3175, 3176, 3320, 3330, 3372, and 4001.
- B. Six semester hours from PHY 3373, 4322, 4340, 4360, 4372, 4373, or 4374.

Required courses in other fields:

Courses selected must apply to a major in these fields.

- A. Chemistry, three semester hours.
- B. Computer Science, three semester hours.
- C. MTH 1321, 1322, 2311, 2321, 3325, and 3326.

B.S. Degree

Requirements for a Major in Physics

Forty-three semester hours including:

- A. PHY 1420, 1430, 2135, 2190, 2350, 2360, 3175, 3176, 3320, 3330, 3372, 3373, 4190, 4322, 4340, and 4001.
- B. Six semester hours from PHY 4372, 4373, and 4374.

Required courses in other fields:

Courses selected must apply to a major in these fields.

- A. Chemistry, three semester hours.
- B. Computer Science, three semester hours.
- C. MTH 1321, 1322, 2311, 2321, 3325, and 3326.
- D. Nine semester hours from the following: biology, chemistry, computer science, geology, mathematics, or statistics (excluding STA 2381.)

B.S. Degree

Requirements for a Major in Physics (Computational Physics Concentration)

Thirty-six semester hours including:

- PHY 1420, 1430, 2135, 2190, 2350, 2360, 3175, 3320, 3330, 3372, 3373, 4190, 4340, 4360, and 4001.

Required courses in other fields:

Courses selected must apply to a major in these fields.

- A. CSI 1430, 1440, 2334, 2350, and 3324.
- B. MTH 1321, 1322, 2311, 2321, 3325, and 3326.

- C. Nine semester hours of additional physics or computer science courses at the “3000” or “4000” level (excluding STA 2381).

B.S. Degree

Requirements for a Major in Physics (Prehealth Care Concentration)

Thirty-three semester hours including:

PHY 1420, 1430, 2135, 2190, 2350, 2360, 3175, 3320, 3330, 3372, 3373, 4190, 4340, and 4001.

Required courses in other fields:

Courses selected must apply to a major in these fields.

A. BIO 1305-1105, 1306-1106, and six semester hours at the “3000” or “4000” level.

B. CHE 1301-1101, 1302-1102, 3331, 3332, and 3238.

C. Computer Science, three semester hours.

D. MTH 1321, 1322, 2311, 2321, 3325, and 3326.

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 (Physics Education Concentration)

Thirty-three semester hours including:

A. PHY 1420, 1430, 2135, 2190, 2350, 2360, 3175, 3320, 3330, 3372, 4190, 4340, and 4001.

B. PHY 2455 and one additional hour at the “3000” or “4000” level, or three semester hours of physics courses at the “3000” or “4000” level.

Required courses in other fields:

Courses selected must apply to a major in these fields.

A. MTH 1321, 1322, 2311, 2321, 3325, and 3326.

B. Completion of the Minor in Physics Education (School of Education)

Requirements for a Secondary Major in Physics

Thirty-six semester hours including:

A. PHY 1420, 1430, 2135, 2350, 2360, 3320, 3330, 3372, 3373, 4322, 4340, and 4001.

B. Three semester hours from any additional “4000” level PHY elective.

Required courses in other fields:

MTH 1321, 1322, 2311, 2321, 3325, and 3326.

Requirements for a Minor in Physics

Twenty semester hours including

A. PHY 1420, 1430, and 2350.

B. Nine semester hours of PHY courses at the “3000” or “4000” level.

ASTRONOMY

B.A. Degree

Requirements for a Major in Astronomy

Thirty-five semester hours including:

PHY 1420, 1430, 2350, 2360, 2455, 3320, 3350, 3455, 4150, 4350, 4351, and 4001.

Required courses in other fields:

Courses selected must apply to a major in these fields.

A. Chemistry, three semester hours.

B. Computer Science, three semester hours.

C. MTH 1321, 1322, 2311, 2321, 3325, and 3326.

B.S. Degree

Requirements for a Major in Astronomy

Forty-three semester hours including:

A. PHY 1420, 1430, 2190, 2350, 2360, 2455, 3320, 3350, 3455, 4150, 4190, 4350, 4351, and 4001.

B. Six semester hours of PHY “3000” or “4000” level courses.

Required courses in other fields:

Courses selected must apply to a major in these fields.

- A. Chemistry, three semester hours.
- B. Computer Science, three semester hours.
- C. MTH 1321, 1322, 2311, 2321, 3325, and 3326.
- D. Nine semester hours from the following: biology, chemistry, computer science, geology, mathematics, or statistics (excluding STA 2381).

Requirements for a Secondary Major in Astronomy

Thirty-five semester hours including:

PHY 1420, 1430, 2350, 2360, 2455, 3320, 3350, 3455, 4150, 4350, 4351, and 4001.

Required courses in other fields:

MTH 1321, 1322, 2311, 2321, 3325, and 3326.

Requirements for a Minor in Astronomy

Twenty-two semester hours including:

- A. PHY 1420, 1430, 2455, 3350, and 3455.
- B. Three semester hours of PHY courses at the “3000” or “4000” level.

ASTROPHYSICS

B.A. Degree

Requirements for a Major in Astrophysics

Thirty-six semester hours including:

PHY 1420, 1430, 2350, 2360, 2455, 3320, 3330, 3350, 3372, 4350, 4351, and 4001.

Required courses in other fields:

Courses selected must apply to a major in these fields.

- A. Chemistry, three semester hours.
- B. Computer Science, three semester hours.
- C. MTH 1321, 1322, 2311, 2321, 3325, and 3326.

B.S. Degree

Requirements for a Major in Astrophysics

Forty-seven semester hours including:

- A. PHY 1420, 1430, 2190, 2350, 2360, 2455, 3320, 3330, 3350, 3372, 3373, 4190, 4340, 4350, 4351, and 4001.
- B. Three semester hours of PHY “4000” level courses.

Required courses in other fields:

Courses selected must apply to a major in these fields.

- A. Chemistry, three semester hours.
- B. Computer Science, three semester hours.
- C. MTH 1321, 1322, 2311, 2321, 3325, and 3326.
- D. Nine semester hours from the following: biology, chemistry, computer science, geology, mathematics, or statistics (excluding STA 2381).

Requirements for a Secondary Major in Astrophysics

Thirty-six semester hours including:

PHY 1420, 1430, 2350, 2360, 2455, 3320, 3330, 3350, 3372, 4340, 4350 or 4351, and 4001.

Required courses in other fields:

MTH 1321, 1322, 2311, 2321, 3325, and 3326.

Requirements for a Minor in Astrophysics

Twenty-one semester hours including:

- A. PHY 1420, 1430, and 2455.
- B. Two courses from PHY 3350, 4350, and 4351.
- C. Three semester hours of PHY courses at the “3000” or “4000” level.

DEPARTMENT OF POLITICAL SCIENCE

B.A. Degree

Requirements for a Major in Political Science

Thirty-three semester hours including the following:

Complete one Sequence:

1. Sequence I: (thirty-three semester hours)

A. PSC 1387.

B. One introductory course from each of four sub-fields: PSC 1305 (American National Government); PSC 2343 (Introduction to Western Political Philosophy); PSC 3304 (Comparative Politics); and PSC 3315 (International Relations).

C. An additional eighteen semester hours of political science, twelve of which must be at the “3000” or “4000” level. Three hours may come from the following:

1. Upper-level hours from: African Studies, American Studies, Anthropology, Asian Studies, BIC, Classics, Communication, Economics, History, Latin American Studies, Philanthropy and Public Service, Philosophy, Religion, Slavic and East European Studies, Social Innovation Collaborative, Sociology.

2. Fourth-semester/2320-level or upper-level hours in Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, Swahili.

2. Sequence II: Pre-Law track (thirty-three semester hours)

A. PSC 1387.

B. One introductory course from each of four sub-fields: PSC 1305 (American National Government); PSC 2343 (Introduction to Western Political Philosophy); PSC 3304 (Comparative Politics); and PSC 3315 (International Relations).

C. At least two courses from PSC 3302, 3321, 3339, 4305, 4307, 4342, 4361, and 4381 (core courses for pre-law track).

D. At least one course from PSC 3311, 3372, 3375, 4V89 (3 hours), or a course from the list in Item C.

E. An additional nine semester hours of political science at any level to add up to 33 semester hours for the major. Three hours may come from the following:

1. Upper-level hours from: African Studies, American Studies, Anthropology, . . . Asian Studies, BIC, Classics, Communication, Economics, History, Latin American Studies, Philanthropy and Public Service, Philosophy, Religion, Slavic and East European Studies, Social Innovation Collaborative, Sociology.

2. Fourth-semester/2320-level or upper-level hours in Arabic, Chinese, French, . German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, Swahili.

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 one of their social science requirements.

Recommended fields for electives for major students: computer science, economics, history, philosophy, psychology, sociology, and statistics.

Pre-law preparation: 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.

Requirements for a Secondary Major in Political Science

Thirty-three semester hours including the following:

A. PSC 1387.

B. One introductory course from each of four sub-fields: PSC 1305 (American National Government); PSC 2343 (Introduction to Western Political Philosophy); PSC 3304 (Comparative Politics); and PSC 3315 (International Relations).

C. An additional eighteen semester hours of political science, twelve of which must be at the “3000” or “4000” level. Three hours may come from the following:

1. Upper-level hours from: African Studies, American Studies, Anthropology, Asian Studies, BIC, Classics, Communication, Economics, History, Latin American Studies, Philanthropy and Public Service, Philosophy, Religion,

Slavic and East European Studies, Social Innovation Collaborative, Sociology.
 2. Fourth-semester/2320-level or upper-level hours in Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, Swahili.

Requirements for a Major in International Studies

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:
 1. Six hours of core courses.
 2. Nine hours of Regional Studies courses.
 3. Nine hours of Global Issues and Institutions courses.
 4. Six hours of additional courses from the courses listed for the major.
- C. There are two versions of the major:
 1. General version of the major requires one additional semester of modern language at "3000" or "4000" level beyond University requirements.
 2. Intensive version of the major requires two additional semester 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).

B.A. Degree

Requirements for a Major in International Studies

Thirty semester hours including the following:

- A. Six hours from core courses:

1. PSC 3315 (Fundamentals of International Politics) and
 2. PSC 3304 (Comparative Politics)
 - B. Nine hours from Regional Studies (Latin America, Asia and Russia, Middle East and Africa, Europe and the United States): The nine hours may be taken from one region or from multiple regions.
 1. Latin America
ANT 3340; ANT 3351; ANT 3352; HIS 3353; HIS 3355; HIS 4350/LAS 4351; HIS 4357; LAS 1301; LAS 2301; LAS 4350; PHI 4331; PSC 4304 (only once); PSC 4314 (only once); SPA 3311.
 2. Asia and Russia
ANT 4310; ANT 2380; AST 4350; AST 4V80; ECO 4335; HIS/AST 3305, HIS 3307; HIS 3340; HIS 3342; AST/HIS 4305; PSC 4325; PSC 4344; PSC 4364; PSC 4374; PSC 4386; REL 4346; SEES/HIS 2380; SEES/HIS 2381
 3. Middle East and Africa
ANT 4312; ANT 4341; ANT 4344; HIS 3310; HIS 3311; HIS 3315; HIS 3318; HIS 3319; HIS 4312; HIS 4313; HIS 4316; MES 2301; MES 4378; MES 4V01; PSC 4334; REL 4343
 4. Europe and the United States
AS 4301; AS 4302; ANT 3301, ANT 4354; CSS 4353 or PSC 4335; FRE 3337; FRE 3338; GER 3341; GER 3345; HIS 2V89; HIS 3308; HIS 3334; HIS 3344; HIS 4328; HIS 4329; HIS 4330; HIS 4331; HIS 4332; HIS 4333; HIS 4335; HIS 4336; HIS 4337; HIS 4339; HIS 4343; HIS/SEES 4379, HIS 4392; HIS 4393; HIS 4394; PSC 3335; PSC 3345; PSC 3382, PSC 3392; PSC 3692; PSC 4316; PSC 4324; PSC 4335; PSC 4354; PSC 4V89; SPA 3310
 - C. Nine hours from Global Issues and Institutions (Political and Development Issues, Economics, Belief Systems): The nine hours may be taken from one global issues and institutions section or from multiple global issues and institutions sections.
 1. Political and Development Issues
ANT 1306, ANT 1310; ANT 1325; ANT 1404; ANT 3320: ANT 3350; ANT 4305; ANT 4306; ANT 4320; ANT 4325; ANT 4350; BIC 4374; BL 4320; CFS 4356; ENV 4310/ANT 4311; GEOG 1300; GEO 4312; JOU 3387; PPS 4310; PSC 3301; PSC 3314; PSC 3320; PSC 3324; PSC 3325; PSC 3355; PSC 3375; PSC 4303; PSC 4305; PSC 4315; PSC 4346; PSC 4355; PSC 4365; PSC 4375; PSC 4384; PSC 4385; PSC 4395; PSC 4397; PUBH 4340; SWO 4317.
 2. Economics
BUS 3310 (Summer in Europe); ECO 2307; ECO 4334; ECO 4338; ECO 4343; FIN 4331; INB 3305; INB 3332; INB 3333; INB/BL 4345; MKT 4325
 3. Belief Systems
HIS 3395; PHI 3305; PHI 3312; PHI 4340; PHI 4341; PSC 3363; PSC 3373; PSC 4379; PSC 4383; REL 3333; REL 3345; REL 3394; REL 4340; REL 4348; SOC 4325
 - D. Six additional hours from any of the courses above; may include a Readings Course or Special Topics Course with consent of Director.
- Required courses in other fields:
- A. General version
 1. 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.
 - B. Intensive version
 1. 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.
 2. Study Abroad or Internship related to international affairs.

Requirements for a Secondary Major in International Studies

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:
 - a. PSC 3315 (Fundamentals of International Politics) and
 - b. PSC 3304 (Comparative Government)
- B. Nine hours from Regional Studies (Latin America, Asia and Russia, Middle East and Africa, Europe and the United States): The nine hours may be taken from one region or from multiple regions.
- C. Nine hours of Global Issues and Institutions (Political and Development Issues, Economics, Belief Systems): The nine hours may be taken from one global issues and institutions section or from multiple global issues and institutions sections.
- D. Six hours of additional courses from the courses listed for the major.
- E. At least fifteen of the thirty hours for the major must be at the “3000” or “4000” level.

Required courses from other fields:

Three hours of modern foreign language at “3000” or “4000” level. The language selected must be offered as a major or minor at Baylor, and only courses that will apply on the major or minor will count here; courses taught in English will not apply here.

Requirements for a Minor in Political Science

Eighteen semester hours including at least nine semester hours at the “3000” or “4000” level.

Requirements for a Minor in Criminal Justice

Nineteen semester hours including the following:

- A. American Government – Three semester hours selected from: PSC 1305 or PSC 1306
- B. Criminal Justice Core – Seven semester hours as listed below:
 - 1. Three semester hours: PSC 3302 (PPS 3302)
 - 2. Three semester hours: SOC 4352
 - 3. One semester hour: PPS 1102
- C. Public Policy, Law, and Criminal Justice – Six semester hours selected from: PPS 3372/PSC 3372, CSS 3306, 3307, PSC 3312, 3320, 3321, 3322, 4321, 4330, 4381, SOC 3360, 3361, PSY (3321 or 3330).
- D. Internship – Three semester hours selected from: PSC 3382, 3392, 3398

Requirements for a Minor in International Studies

Eighteen semester hours including the following:

- A. PSC 3315 or PSC 3304.
- B. The remaining fifteen hours chosen from the courses listed in the International Studies major.
- C. At least nine of the eighteen hours for the minor must be at the “3000” or “4000” level.

DEPARTMENT OF PSYCHOLOGY AND NEUROSCIENCE

Current Baylor students from other majors must have a minimum 3.3 GPA and 12 hours in residence to request to change to the B.S. major in Pre-Neuroscience or Neuroscience or the B.S. major in Pre-Psychology or Psychology.

PRE-PSYCHOLOGY AND PRE-NEUROSCIENCE**Pre-Psychology (BA Degree)**

All 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:

- A. Completed the following PSY/NSC courses, with a minimum GPA in these courses of 2.25:
 - a. PSY 1305
 - b. NSC 1306
 - c. PSY 2402

- d. PSY 1101 (Students who completed another New Student Experiences course can petition to allow that course to substitute for PSY 1101.)

If transfer or AP credit was used to satisfy the PSY 1305 requirements, the grade earned will not be used to compute GPA.

- B. Have a minimum overall GPA of 2.25 in no fewer than 45 hours completed at Baylor University.
C. Students are eligible for promotion once they have earned 45 hours at Baylor University, and must complete the requirements for admission to the major before completing 75 hours.

Students enrolling as transfers:

- A. Completed the following PSY/NSC courses, with a minimum GPA in these courses of 2.25.
1. PSY 1305
2. NSC 1306
3. PSY 2402

If transfer or AP credit was used to satisfy the PSY 1305 requirements, the grade earned will not be used to compute GPA.

- B. Transfer students must have a minimum overall GPA of 2.25 in no fewer than 24 hours completed at Baylor University. Only courses taken at Baylor are used in the computation of GPAs.
C. Transfer students are eligible for promotion as soon as they have completed 24 hours at Baylor University, and must complete the requirements once they have completed 45 hours at Baylor.

Exceptions to the above policies based on extenuating circumstances can be directed to the chair or chair's designee.

Students failing to meet the promotion criteria cannot continue in the major.

Pre-Psychology (BS Degree)

All 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:

- A. Completed the following PSY/NSC courses, with a minimum GPA in these courses of 2.25:
• PSY 1305
• NSC 1306
• PSY 2402
• PSY 1101 (Students who completed another New Student Experience course can petition to allow that course to substitute for PSY 1101.)

If transfer or AP credit used to satisfy the PSY 1305 requirements, the grade earned will not be used to compute GPA.

- B. Have a minimum overall GPA of 2.60 in no fewer than 45 hours completed at Baylor University.
C. Students are eligible for promotion once they have earned 45 hours at Baylor University, and must complete the requirements for admission to the major before completing 75 hours.

Students enrolling as transfers:

- A. Completed the following PSY/NSC courses, with a minimum GPA in these courses of 2.25.
1. PSY 1305
2. NSC 1306
3. PSY 2402

If transfer or AP credit was used to satisfy the PSY 1305 requirements, the grade earned will not be used to compute GPA.

- B. Transfer students must have a minimum overall GPA of 2.60 in no fewer than 24 hours completed at Baylor University. Only courses taken at Baylor are used in the computation of GPAs.
C. Transfer students are eligible for promotion as soon as they have completed 24 hours at Baylor University, and must complete the requirements once they have completed 45 hours at Baylor.

Exceptions to the above policies based on extenuating circumstances can be directed to the chair or chair's designee.

Students failing to meet the promotion criteria cannot continue in the major.

Pre-Neuroscience (B.S. Degree)

All 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:

- A. Completed the following PSY/NSC courses:
 1. NSC 1101 (Students who complete another New Student Experience course can petition to allow that course to substitute for NSC 1101.)
 2. PSY 1305
- B. Earned a B or better in NSC 1306. 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.
- C. Have a minimum overall GPA of 2.75 in no fewer than 45 hours completed at Baylor University.
- D. Students are eligible for promotion once they have earned 45 hours at Baylor University, and **must** complete the requirements for admission to the major before completing 75 hours.

Students enrolling as transfers:

- A. Completed PSY 1305
- B. Earned a B or better in NSC 1306. 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.
- C. Transfer students must have a minimum overall GPA of 2.75 in no fewer than 24 hours completed at Baylor University. Only courses taken at Baylor are used in the computation of GPAs.
- D. Transfer students are eligible for promotion as soon as they have completed 24 hours at Baylor University, and **must** complete the requirements once they have completed 45 hours at Baylor.

Exceptions to the above policies based on extenuating circumstances can be directed to the chair or chair's designee.

Students failing to meet the promotion criteria cannot continue in the major

B.A. Degree

Requirements for a Major in Psychology

Thirty-four semester hours including the following:

- A. PSY 1305, NSC 1306-1106, PSY 2402, and PSY 2405.
- B. Select one class from each of the following:
 1. Mental Health: PSY 3308, 3309, or 3330
 2. Experimental Psychology with Laboratory: PSY 3311-3111, 3320-3120, or 3323-3123
 3. Social and Developmental Psychology: PSY 3310, 3350, or 4327.
- C. Advanced psychology electives. Select three additional courses (minimum of 9 hours) from the above lists or any other 3000 level or 4000 level PSY course. Courses designated for non-majors (PSY 3321, PSY 3341) are not applicable to the major.
- D. A grade of "C" or better is required in all psychology and/or neuroscience courses used for the major.
- E. Students are strongly encouraged to enroll in PSY 1101 during their first semester on campus.

Required courses in other fields: A grade of "C" or better is required in each course.

- A. MTH 1320 or 1321 or STA 1380.
- B. Four additional hours of Laboratory Science (not from PSY/NSC).

Majors and potential majors are encouraged to obtain a copy of "Advisement Information for PsychologyMajors" from the department as an aid in academic advisement and career preparation.

B.S. Degree

Requirements for a Major in Psychology

Thirty-four to thirty-five semester hours including the following:

- A. All of the following: PSY 1305, NSC 1306-1106, PSY 2402, and PSY 2405.
- B. Select one class from each of the following:
 1. Mental Health: PSY 3308, 3309, or 3330
 2. Experimental Psychology with Laboratory: PSY 3311-3111, 3320-3120, or 3323-3123
 3. Quantitative Psychology: PSY 4315 or 4400
 4. Biological Psychology: PSY 4312, 4319, or 3355
- C. Advanced psychology electives:

Select two additional courses (minimum of 6 hours) from the above lists or any other 3000 level or 4000 level PSY course. Courses designated for non-majors (PSY 3321, 3341) are not

applicable to the major.

D. A grade of “C” or better is required in all psychology and/or neuroscience courses used for the major.

E. Students are strongly encouraged to enroll in PSY 1101 during their first semester on campus.

Required courses in other fields: A grade of “C” or better is required in each course.

A. MTH 1321 and 1322

B. BIO 1305-1105 and 1306-1106

C. CHE 1301-1101 and 1302-1102

D. PHY 1408 or 1420

Majors and potential majors are encouraged to obtain a copy of “Advisement Information for Psychology Majors” from the department as an aid in academic advisement and career preparation.

B.S. Degree

Requirements for a Major in Neuroscience

Thirty-two semester hours including the following:

A. NSC 1306-1106 and 2306.

B. Eight hours from the following: NSC 3311-3111, 3320-3120, and 3323-3123

C. Six hours from the following (note: course cannot count for both B and C requirements): NSC 3311, 3320, 3323, 3370, 3375, 4312, 4317, 4371, and 4V96 (note: only 3 hours of 4V96 may count toward the 6 required in this category)

D. Advanced Neuroscience (11 hours): NSC 4319-4119, 4330-4130, and 4356.

E. A grade of “C” or better is required in all psychology and/or neuroscience courses used for the major.

F. Students are strongly encouraged to enroll in NSC 1101 during their first semester on campus.

Required courses in other fields: A grade of “C” or better is required in each course.

A. PSY 1305 and 4400.

B. BIO 1305-1105 and 1306-1106.

C. CHE 1301-1101 and 1302-1102.

D. MTH 1321

E. STA 2381

F. PHY 1408 and 1409; or 1420 and 1430.

Majors and potential majors are encouraged to obtain a copy of “Advisement Information for Neuroscience Majors” from the department as an aid in academic advisement and career preparation.

RECREATION MINISTRY MINOR

(See Intrauniversity Programs)

DEPARTMENT OF RELIGION

B.A. Degree

Requirements for a Major in Religion

Thirty semester hours including the following:

A. REL 3305 or 3319

B. REL 3330

C. REL 3351 or 3390

D. REL 3345

E. REL 4399 (Senior Seminar)

F. Nine semester hours from **one** of the following concentrations. One course in the concentration must be taken at the 4000 level.

1. Bible

One course from: REL 4302, 4305, 4315

Two courses from REL 3301, 3303, 3304, 3307, 3308, 3311, 3312, 3314, 3315, 4302, 4305, 4315, 4317

2. Theology and Ethics

One course from: REL 3351 or 3390 (the course not taken in section C above)

One course from: REL 4350, 4355, 4388, 4389, 4390, 4393, 4395, 4397

One additional course from REL 3352, 3370, 3391, 3394, 3397, 4350, 4355, 4388,

- 4389, 4390, 4393, 4395, 4397
3. History
One course from: REL 4333, 4335, 4336, 4337, 4338, 4340, 4341
Two courses from: REL 3331, 3333, 3338, 3344, 4333, 4335, 4336, 4337, 4338, 4340, 4341
 4. Practical Studies
One course from: REL 4340 or 4374
Two courses from: REL 2480, 3381, 3382
 5. World Religions
Three courses from: REL 4342, 4343, 4346, 4347, 4348, 4349
 6. Biblical and Related Languages
Two courses from: (REL 3309 and 3310) or (REL 3320 and 3321).
One course from: REL 4303, 4304, 4315 (when topic is appropriate).
- G. Three semester hours of additional 4000 level religion elective
- H. Three semester hours of additional any level religion elective. (*REL 1310 and 1350 will not apply here.*)
- I. A grade of C- or better in religion courses used for the major and a cumulative GPA of 2.0 or higher for all REL courses.

Requirements for a Secondary Major in Religion

Thirty semester hours including the following:

- A. REL 3305 or 3319
- B. REL 3330
- C. REL 3351 or 3390
- D. REL 3345
- E. REL 4399 (Senior Seminar)
- F. Nine semester hours from **one** of the following concentrations. One course in the concentration must be taken at the 4000 level.
 1. Bible
One course from REL 4302, 4305, 4315
Two courses from: REL 3301, 3303, 3304, 3307, 3308, 3311, 3312, 3314, 3315, 4302, 4305, 4315, 4317
 2. Theology and Ethics
One course from: REL 3351 or 3390 (the course not taken in section C above)
One course from: REL 4350, 4355, 4388, 4389, 4390, 4393, 4395, 4397
One additional course from: REL 3352, 3370, 3391, 3394, 3397, 4350, 4355, 4388, 4389, 4390, 4393, 4395, 4397
 3. History
One course from: REL 4333, 4335, 4336, 4337, 4338, 4340, 4341
Two courses from: REL 3331, 3333, 3338, 3344, 4333, 4335, 4336, 4337, 4338, 4340, 4341
 4. Practical Studies
One course from: REL 4340 or 4374
Two courses from: REL 2480, 3381, 3382
 5. World Religions
Three courses from: REL 4342, 4343, 4346, 4347, 4348, 4349
 6. Biblical and Related Languages
Two courses from: (REL 3309 and 3310) or (REL 3320 and 3321).
One course from: REL 4303, 4304, 4315 (when topic is appropriate).
- G. Three semester hours of additional 4000 level religion elective.
- H. Three semester hours of additional any level religion elective. (*REL 1310 and 1350 will not apply here.*)
- I. A grade of C- or better in religion courses used for the major and a cumulative GPA of 2.0 or higher for all REL courses.

Requirements for a Minor in Religion

Eighteen semester hours including the following:

- A. REL 1310 and 1350.
- B. Nine semester hours of "3000-4000" level religion electives.
- C. Three semester hours of any additional level religion elective.

Note: REL 2480 is required of ministry scholarship recipients. Ministry students are encouraged to choose REL 2480 (if required for scholarships) or one of the other Practical Studies courses as their elective course in the minor.

- D. A grade of C- or better in religion courses used for the minor and a cumulative GPA of 2.0 or higher for all REL courses.

Requirements for a Minor in Recreation Ministry

Specific requirements for the minor are designated in the Intrauniversity Programs in this section of this catalog.

COURSES OF STUDY

Courses in the Department of Religion are offered in the areas of biblical studies, historical studies, theological studies, practical studies, world religions, and biblical and related languages.

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 some Baptist and non-Baptist 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.

Note: Baylor University, in cooperation with the Baptist General Convention of Texas, offers tuition assistance to Baptist students who are preparing for careers in ministry. All students who are recipients of this assistance are required to take REL 2480. Students who do not complete this course will be required to repay the total scholarship amount.

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 toward 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.

JOINT BACHELOR OF ARTS / 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 and a major in the Department of Religion, as well as additional coursework at the graduate level. (See Graduate Catalog for details of graduate requirements, including eligibility and admission)

SCIENCE RESEARCH FELLOWS

(See Multidisciplinary Programs)

DEPARTMENT OF SOCIOLOGY

Sociology literally 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.

B.A. Degree

Requirements for a Major in Sociology

Thirty-four semester hours including the following:

A. SOC 1305, 3402, 4381, 4391, 43C9.

B. Eighteen semester hours of additional “3000”–“4000” level sociology electives. Only one course

from SOC 3360 or SOC 4352 can apply on this requirement.

- C. SOC 3402 is a prerequisite for SOC 4381 and SOC 4391.
- D. SOC 4381 and 4391 are prerequisites for SOC 43C9.

B.A. Degree

Requirements for a Major in Sociology (Sociology and Health Concentration)

Thirty-four semester hours including:

- A. SOC 1305, 3402, 4381, 4391, 43C9.
- B. Twelve semester hours including the following: SOC 3372, 4353, 4357, 4393.
- C. Six semester hours of additional “3000-4000” level sociology electives. Only one course from SOC 3360 or SOC 4352 can apply on this requirement.
- D. SOC 3402 is a prerequisite for SOC 4381 and SOC 4391.
- E. SOC 4381 and 4391 are prerequisites for SOC 43C9.

Requirements for a Secondary Major in Sociology

Thirty-four semester hours including the following:

- A. SOC 1305, 3402, 4381, 4391, 43C9.
- B. Eighteen semester hours of additional “3000-4000” level sociology electives. Only one from SOC 3360 or SOC 4352 can apply on this requirement. Courses in anthropology and social work do not apply toward a secondary major in sociology.
- C. SOC 3402 is a prerequisite for SOC 4381 and SOC 4391.
- D. SOC 4381 and 4391 are prerequisites for SOC 43C9.

Requirements for a Minor in Sociology

Eighteen semester hours including the following:

- A. SOC 1305
- B. Fifteen semester hours of additional “3000”–“4000” level sociology electives. Only one course from SOC 3360 or SOC 4352 can apply on this requirement.

DEPARTMENT OF STATISTICAL SCIENCE

The Department of Statistical Science began offering the B.S. in Statistics in Fall 2006 and the minor in Statistics in Fall 2007. These degrees 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 the 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.

B.S. Degree

Requirements for Major in Statistics

Twenty-seven semester hours including the following:

- A. STA 3381, 3386, 4382, 4385, 4386, 43C9
- B. Nine semester hours of additional Statistics courses at the “2000-4000” level.
- C. A grade of “C” or better in courses used for the major.

Required courses in other fields:

- A. MTH 1321, 1322, 2311, 2321
- B. One course to be selected from CSI 1401, CSI 1430, or STA 2450
- C. Eight semester hours of science courses with associated labs chosen from BIO, CHE, ENV, GEO, NSC, or PHY. Each course must apply to a major in its department. Select from: BIO 1305-1105, 1306-1106; CHE 1301-1101, CHE 1302-1102; ENV 1301-1101, 1303-1103; GEO 1106, (1306 and 1307), One GEO from: 1401, 1402, 1403, 1405, 1408; NSC 1306-1106; PHY 1420, or PHY 1430.

B.S. Degree

Requirements for a Major in Statistics (Actuarial Science Concentration)

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 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.

Twenty-seven semester hours including the following:

- A. STA 3381, 3386, 4382, 4385, 4386
- B. Twelve semester hours of additional STA courses of which nine hours must be at the '4000' level. (STA 4V90 may be taken for a maximum of 6 hours.)
- C. A grade of "C" or better in courses used for the major.

Required courses in other fields:

- A. MTH 1321, 1322, 2311, 2321
- B. One course to be selected from CSI 1401, CSI 1430, or STA 2450
- C. Eight semester hours of science courses with associated labs chosen from BIO, CHE, ENV, GEO, NSC, or PHY. Each course must apply to a major in its department. Select from: BIO 1305-1105, 1306-1106; CHE 1301-1101, CHE 1302-1102; ENV 1301-1101, 1303-1103; GEO 1106, (1306 and 1307), One GEO from 1401, 1402, 1403, 1405, 1408; NSC 1306-1106; PHY 1420 or PHY 1430.
- D. At least 18 hours selected from the following courses: ACC 2303, ECO 2306, ECO 2307, ECO 3306, ECO 3307, FIN 3305, FIN 3310, FIN 3311, FIN 4320, FIN 4366.

Requirements for a Secondary Major in Statistics

Thirty-three semester hours including the following:

- A. MTH 1321, MTH 1322, MTH 2311 and MTH 2321.
- B. STA 3381, STA 3386, and STA 4382.
- C. Twelve semester hours of additional "2000-4000" level STA electives.
- D. A grade of "C" or better in courses used for the Secondary Major.

Requirements for a Minor in Statistics

Eighteen semester hours including the following:

- A. STA 2381 and STA 3381.
- B. Additional Statistics (12 semester hours) from any STA course that counts toward the major in statistics.
- C. A grade of "C" or better in STA courses used for the minor.

DEPARTMENT OF THEATRE ARTS

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.

B.A. Degree

Requirements for a Major in Theatre Arts

Forty-four semester hours including the following:

- A. THEA 1101, 1302, 1102, 1312, 1316, 1324, 1380, 2371, 2374, 2375, 3001 (3 semesters), 4376, nine semester hours of "3000" or "4000" level Theatre arts electives, and six semester hours of any level Theatre arts electives.
- B. Must be admitted to the Department of Theatre Arts by audition/interview.
- C. Active participation in all departmental play productions.
- D. Refer to the Departmental Student Handbook for other curricular and co-curricular requirements.

B.F.A. Degree

Requirements for a Major in Theatre Design and Technology

Seventy semester hours including the following:

- A. THEA 1301, 1312, 1316, 1324, 1380, 1383, 2371, 2374, 2375, 2383, 3001 (3 semesters), 4102, (4321 or 4322), 4376; nine semester hours from: 3326, 3370, 3371, 3380; nine semester hours of Theatre design electives from: 2370, 2390, 3316, 3323, 3326, 3327, 3363, 3370, 3371, 3372, 3380, 3383, 3398, 4190, 4321, 4322, 4326, 4351, 4370, 4371, 4384, 4390, 4398, 4V99, 4VC5; Three semester hours of any level Theatre Arts electives; and twelve semester hours of "3000" or "4000" level Theatre Arts electives.
- B. Must be admitted to the Department of Theatre Arts by audition/interview.

- C. Active participation in all departmental play productions.
- D. Refer to the Departmental Student Handbook for other curricular and co-curricular requirements.

B.F.A. Degree

Requirements for a Major in Theatre Performance

Seventy semester hours including the following:

- A. Theatre Performance Core: (55 semester hours)
 - THEA 1301, 1101, 1302, 1102, 1312, 1316, 1324, 1380, 2301, 2302, 2298, 2299, 2371, 2374, 2375, 3001 (3 semesters), 3301, 3302, 4102, 4376; six semester hours of any level Theatre Arts elective.
 - a. Must be admitted to the Department of Theatre Arts by audition/interview.
 - b. Active participation in all departmental play productions.
 - c. Refer to the Departmental Student Handbook for other curricular- and co-curricular requirements.
- B. Theatre Performance Concentration: Complete One Sequence
 - 1. Sequence I: (15 semester hours)
 - a. Nine semester hours of advanced Theatre performance electives from : 3103, 3104, 3113, 3114, 3297, 3298, 3303, 3304, 4103, 4104, 4113, 4114, 4297, 4298, 4301, 4335, 4365, 4366, 4395, 4VC5, 4V99.
 - b. Six semester hours of additional “3000” or “4000” level Theatre arts electives.
 - 2. Sequence II: Musical Theatre Concentration (12 semester hours)
 - a. THEA 3297
 - b. Ten semester hours from: THEA 3103, 3104, 3113, 3114, 4103, 4104, 4113, 4114, 3298, 4297, 4298.
 - c. Must be admitted to the concentration by faculty jury.
 - d. Successful progress in Musical Theatre coursework after admission to the concentration.

Secondary Major in Theatre Arts

Thirty-three semester hours including the following:

- A. THEA (1301 or 1302 or 2383), 1312, 1316, 2371, 2374, 2375, 3001 (2 semesters); fifteen hours of upper level Theatre courses.
- B. Must be admitted to the Department of Theatre Arts by audition/interview.
- C. Active participation in all departmental play productions.
- D. Refer to the Departmental Student Handbook for other curricular and co-curricular requirements.

Minor in Theatre Design and Technology

Eighteen semester hours including the following:

- A. 3 hours from THEA 1312, 1316, 2371.
- B. 3 hours from THEA 1383, 2383, or 2370.
- C. 3 hours from THEA 2390, 3326, 3370, 3371, 3380, 4398
- D. Nine hours from THEA 1312, 1316, 1383, 2370, 2371, 2383, 2390, 3316, 3322, 3326, 3363, 3370, 3371, 3372, 3380, 3383, 4322, 4326, 4351, 4370, 4384, 4390, 4398, 4V99.
- E. 2 semesters of THEA 3001.
- F. At least 9 hours must be at the 3000 or 4000 level.
- G. Must be admitted to the Department of Theatre Arts by interview.

UNIVERSITY SCHOLARS PROGRAM

(See Honors College.)

WOMEN’S AND GENDER STUDIES

(See Multidisciplinary Programs)

MULTIDISCIPLINARY PROGRAMS

BIOETHICS

Requirements for a Certificate in Bioethics

Twelve semester hours including the following:

- A. Bioethics Core Courses (6 semester hours)
PHI 1309 and REL 4395
 - B. Theoretical Bioethics Courses (3 semester hours)
PHI 3301, 4325, 4363, MH 4396, ANT 4325
 - C. Applied Bioethics Courses (3 semester hours)
ANT 1306, 4362, HIS 4300, MH 4351, 4372, 4382, PUBH 4340, SWO 4316
- A minimum of nine hours at the “3000” and “4000” level is required.

LEGAL REASONING AND ANALYSIS

Requirements for a Minor in Legal Reasoning and Analysis

Eighteen semester hours including the following:

- A. One Course from each of the following groups:
 1. Logic-Three semester hours selected from PHI 1306, 1307, 4345.
 2. Analytical Reasoning-Three semester hours selected from: ACC 2301, ECO 1305, 1380, 2306, PSY 2402, STA 1380, 2381, 3381, SOC 3402.
- B. Twelve semester hours from the following categories. Courses must be taken from four of the six categories below.
 1. Critical Reading and Problem Solving-ANT 4305, CLA 3301, 3302, 3380, CSI 3305, CSS 4394, ECO 4317, 4319, ENG 3371, 4384, ENV 2376, 3300, GTX 3343, 4351, HIS 4338, 4339, LING 4302, PHI 4311, 4342, 4345, 4353, 4360, 4361, PSC 3363, 3373, 4365, 4373, 4395, REL 4395, SOC 4391.
 2. Writing and Editing-ENG 3302, 3305, 3310, JOU 3372, PHI 4319, PWR 3303, 4309, 4375, any “3000 or 4000” level course in ARB, CHI, FRE, GER, GRK, ITA, JPN, LAT, SPA, RUS.
 3. Oral Communication-CSS 1304, 3302, 3307, 3316, HIS 2V89, 4V89, MGT 4320, MES 4V01, PSC 3311, 3375, Any “3000 or 4000” level course in ARB, CHI, FRE, GER, GRK, ITA, JPN, LAT, SPA, RUS.
 4. Research-ANT 4362, ENV 3303, 4V90, HIS 4340, 4348, 4398, LAS 4390, LING 4V20, PHI 4V99, PSC 3301, 4390, SOC 4303, 4381, 4V70.
 5. Background Knowledge and Exposure to the Law-BL 3305, 4303, 4310, 4320, 4325, ECO 4318, 4322, ENV/PSC 4307, FORS 3340, HIS 4363, 4375, JOU 4380, PHI 2301, 3318, 4318, PSC 3353, 3321, 3339, 3372, 3392, 4305, 4321, 4342, 4361, 4381, 4383, 4375, PSY 3380, SOC 3360, 4335, 4352.
 6. Commitment to Justice-CSS 4336, ECO 3355, HIS 4375, PHI 3301, REL 3390, 3394, 4393, SOC 3311, 4322, SWO 4315, 4317, TED 3341.
- C. At least nine hours must be at the “3000 or 4000” level.
- D. A grade of C is required for all courses in the minor.
- E. At least twelve hours must be taken in residence.

MEDICAL HUMANITIES

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 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. Degree)

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:

- A. Complete a minimum of 45 semester hours, at least 15 of which are completed at Baylor.
- B. Earn at least 3.0 cumulative Baylor GPA.
- C. 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 will be invited to meet with a Medical Humanities faculty member to discuss their career goals and possible options for other majors at Baylor.

B.A. Degree

Requirements for a Major in Medical Humanities

Thirty-three semester hours including the following:

- A. Medical Humanities Core Courses (9 semester hours):
 1. MH 1331 (Introduction of Medical Humanities)
 2. PHI 1309 (Introduction to Medical Ethics)
 3. MH 2301 (Christian Spirituality and Health Care)
- B. Medical Humanities Distribution Courses (3 semester hours from each of the following distribution lists):
 1. Philosophy - 3 hours selected from: PHI 3301, PHI 4310, PHI 4363
 2. Religion & Spirituality - 3 semester hours selected from: MH 3342, 4361, REL 3345, REL 3390, REL 4395, ANT 4360.
 3. Literature and the Arts - 3 semester hours selected from: MH 4325, MH 3300, ARTH/CLA 3361, GTX 3343, GTX 4341
 4. Historical Perspectives - 3 semester hours selected from : MH 4300, CLA 4300
 5. Behavioral Health - 3 semester hours selected from: PSY 3321, PSY 3341, PSY 3355, PSY 3399, NSC/PSY 4312, PSY 4355, EDP 3326, EDP 3361, SWO 4395, SWO 4316
 6. Social Sciences and Health - 3 semester hours selected from: MH 4372, MH 4382, MH 4396, ANT 1325, ANT 4325, ANT 4330, ANT 4373, ECO 4350, ENV 3314, ENV 4325, SOC 3372, SOC 4353
- C. Six semester hours selected from additional courses from the distribution lists above and from these additional choices: MH 4351, MH 4V98, PUBH 2330, PUBH 3314, PUBH 3325, PUBH 4321, PUBH 4340, PUBH 4341, PHP 1103, PHP 1105, PHP 1206, PHP 2101, PHP 2102, SPA 2321, SPA 4321, CFS 3324, CFS 4368, CLA 3381.

Requirements for a Minor in Medical Humanities

Twenty-one semester hours including the following:

- A. Medical Humanities Core Courses (9 semester hours):
 1. MH 1331 (Introduction of Medical Humanities)
 2. PHI 1309 (Introduction to Medical Ethics)
 3. MH 2301 (Christian Spirituality and Health Care)
- B. Medical Humanities Distribution Courses (3 semester hours from each of the following distribution lists):
 1. Literature and the Arts - 3 semester hours selected from MH 4325, MH 3300, ARTH/CLA 3361, GTX 3343, GTX 4341
 2. Historical Perspectives - 3 semester hours selected from MH 4300, CLA 4300
 3. Behavioral Health - 3 semester hours selected from: PSY 3321, PSY 3341, PSY 3355, PSY 3399, NSC/PSY 4312, PSY 4355, EDP 3326, EDP 3361, SWO 4395, SWO 4316
 4. Social Sciences and Health - 3 semester hours selected from MH 4372, MH 4382, MH 4396, ANT 1325, ANT 4325, ANT 4330, ANT 4373, ECO 4350, ENV 3314, ENV 4325, SOC 3372, SOC 4353.

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 3.5 grade point average, performing satisfactorily in their research, comporting themselves with the utmost honesty and integrity, and earning a grade of B or better in all science courses from BIO, CHE, PHY, PSY, ENV, ANT, and GEO. 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

- REL 1310 and REL 1350
- Two semesters of Chapel
- PSC 1387
- PWR 3300
- MTH 1321
- MTH 1322 (or an additional mathematics or statistics course that has MTH 1321 as a prerequisite)
- Complete 21 hours of upper division science courses with prefixes BIO, CHE, PHY, PSY, NSC, ENV, ANT, and GEO.
- Complete a minimum of 16 hours of SRF credits including SRF 1306, 1307, 4102, and 4103.

The requirement for minimum hours for the degree, advanced credit, residence, chapel, and maximum credit are the same as for the Bachelor of Science degree.

For Science Research Fellows in the Baylor Interdisciplinary Core, BIC courses will substitute for the following required courses: PWR 3300 and PSC 1387. BIC 3358 will substitute for REL 1310 and REL 1350. 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.

WOMEN'S AND GENDER STUDIES

Requirements for a Minor in Women's and Gender Studies

Eighteen semester hours including the following:

- A. WGS 2300
- B. Fifteen semester hours selected from the following: ARTH 3391, ARTH/CLA 4361, CFS 4356; CFS 4363; CLA 1305; CLA 3330; CSS 3311; CSS 4313; CSS 4350; EDP 3326; ENG 4370; GTX 3330; HIS 2390; HIS 3319; HIS 4334; HIS 4335; HIS 4350; HIS 4377; HIS 4378; JOU 4305; PHI 3320; PWR 3316; REL 3338; REL 3397; REL 4338; SOC 2310; SOC 3330; SOC 3354; SWO 4315.

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.

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.

INTRAUNIVERSITY PROGRAMS

COMPUTER SCIENCE

B.A. Degree

Requirements for a Major in Computer Science

Forty-two to fifty-two semester hours in computer science including all courses from one of the approved options below.

Option A – Computer Science major (Computer Science concentration), fifty-two semester hours of computer science including the following:

1. CSI 1430, 1440, 2334, 2350, 3334, 3335, 3336, 3344, 3372, 3439, 3471, 4321, 4330, 4337, and 43C9.
2. Three semester hours of “3000” or “4000” level computer science electives.
3. A grade of “C” or better is required in all computer science hours counted toward the major.

Required courses in other fields:

- a. PWR 3300.
- b. MTH 1321
- c. STA 2381 or 3381. (Note: “C” or better in MTH 1322 is the prerequisite for STA 3381.)
- d. CSS 1302.

Option B – Computer Science major (Minor Field concentration), forty-two semester hours of computer science including the following:

1. CSI 1430, 1440, 2334, 2350, 3334, 3335, 3336, 3344, 3372, 3471, 4321, 4337, and 43C9.
2. A grade of “C” or better is required in all computer science hours counted toward the major.

Required courses in other fields:

- a. The requirements of any minor conferred by the College of Arts & Sciences other than the computer science minor.
- b. PWR 3300.
- c. MTH 1321
- d. STA 2381 or 3381. (Note: “C” or better in MTH 1322 is the prerequisite for STA 3381.)
- e. CSS 1302.

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: CSI 1337, 1401, 1402, 2300, 3303.

Requirements for a Minor in Computer Science

Specific requirement for the minor are designated in the School of Engineering & Computer Science section of this catalog.

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.

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.

ECONOMICS

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 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.

B.A. Degree

Requirements for a Major in Economics

Twenty-seven semester hours including the following:

- A. ECO 2306, 2307, 3306, and either 3305 or 3307. 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, 2307, 3306, and 3305 or 3307) 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.
- B. Nine semester hours of “4000” level economics electives.
- C. Six semester hours of additional “3000–4000” level economics electives.

Note: Qualified students may take ECO 1380 in lieu of ECO 2306 and ECO 2307, but doing so does not reduce the number of semester hours required for the major. Economics majors taking ECO 1380 must earn a minimum grade of C in the course.

Note: ECO 3308 and 3355 do not count toward the Economics major.

Required courses in other fields:

- A. MTH 1321
- B. STA 1380 or STA 2381 or STA 3381 or QBA 2302.

Economics majors must earn a minimum grade of C in MTH 1321. Students earning C-minus or less may only retake MTH 1321 once to meet the minimum grade requirement.

B.S. Degree

Requirements for a Major in Economics

Twenty-seven semester hours including the following:

- A. ECO 2306, 2307, 3306, and either 3305 or 3307. 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, 2307, 3306, and 3305 or 3307) 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.
- B. ECO 4347
- C. Six semester hours of “4000” level economics electives.
- D. Six semester hours of additional “3000–4000” level economics electives.

Note: Qualified students may take ECO 1380 in lieu of ECO 2306 and ECO 2307, but doing so does not reduce the number of semester hours required for the major. Economics majors taking ECO 1380 must earn a minimum

grade of C in the course.

Note: ECO 3308 and 3355 do not count toward the Economics major.

Required courses in other fields:

- A. MTH 1321. Economics majors must earn a minimum grade of C in MTH 1321. Students earning a C-minus or less may only retake MTH 1321 once to meet the minimum grade requirement.
- B. STA 2381 or STA 3381.
- C. Eight semester hours of science courses with appropriate labs selected from: BIO 1305-1105; BIO 1306-1106; CHE 1301-1101; CHE 1302-1102; ENV 1301-1101; GEO 1106, (1306 and 1307); One GEO from: 1401, 1402, 1403, 1405, 1408; NSC 1306-1106; PHY 1420; PHY 1430.
- D. Twelve additional semester hours of science and mathematics, selected from one or more of the following: biology, chemistry, geology, physics, psychology/neuroscience, environmental studies, mathematics, statistics, and/or computer science (excluding Mathematics and Statistics courses taken to satisfy the requirement above). All courses must count toward the major in the respective departments.

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.

Requirements for a Minor in Economics

Specific requirements for the minor are designated in the School of Business section of this catalog

MUSIC

B.A. Degree

Requirements for a Major in Music

The requirements for the Bachelor of Arts degree with a major in music are those for the Bachelor of Arts degree with any other major. Students seeking the Bachelor of Arts degree with a major in music will be advised through the School of Music.

In addition to admission to the university, an applicant for any music degree must apply to the School of Music and audition on their principal instrument for acceptance into 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 of the School of Music. Detailed information about audition expectations and repertoire are available on the School of Music website.

NOTE: To apply to the degree, credit hours earned beyond the core and music major must be general electives, another minor, or another major.

Major – Music (Academic Studies):	sem. hrs.
Hours Required:	51
Music Theory and Musicianship 1301, 1101, 1302, 1102, 2301, 2101, 2302, 2102, 3301	19
Music History 3324, 3325, 3326, and 3327	12
Large Ensemble	4
Applied Music	8
Students must pass piano level IIIs	
Two upper-level Academic Music courses	6
MUS 4280	2
MUS 1001 Recital Attendance	6 semesters

Major – Music (Applied Studies):	sem. hrs.
Hours Required:	51
Music Theory and Musicianship 1301, 1101, 1302, 1102, 2301, 2101, 2302, 2102, 3301	19
Music History – Any three courses from 3324, 3325, 3326, and 3327	9
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

BA Recital	Pass/Fail; zero credit
Major – Music (Church Music):	sem. hrs.
Hours Required:	52
Music Theory and Musicianship 1301, 1101, 1302, 1102, 2301, 2101, 3301	15
Music History - Any two courses from: 3324, 3325, 3326	6
Conducting 2260	2
Church Music 3370, 3377, 4270, 4373, 4374, 4375	17
Large Ensemble	4
Applied Music	8
Students must pass piano level IIs	
MUS 1001 Recital Attendance	6 semesters
MUS 1007 Church Music Forum	8 semesters

Requirements for an Academic minor in Church Music:

See the School of Music section of this catalog.

Requirements for an Academic minor in Music:

See the School of Music section of this catalog.

RECREATION MINISTRY

Requirements for a Minor in Recreation Ministry

Eighteen semester hours including the following:

- A. Three to four hours from REL 2480 or 3381.
- B. Six hours of “3000” – “4000” level Religion courses – one upper level course from two of the three following areas in Religion:
 - Area 1. Biblical.
 - Area 2. Historical.
 - Area 3. Theological.
- C. Six hours: RLS 3302 and 4395.
- D. Three hours from: RLS 2388, 2389, 3301, 3382, 4301, 4391, 4393, or 4396.
- E. A grade of “C-” or better is required in each course applied to this minor and a cumulative GPA of 2.0 or higher for all REL and RLS courses.

REL 3339, 3340, 3348, 3396, 4348, 4360, 4396, and 4398 will not be accepted for credit toward this minor. In addition to the eighteen hours listed above, the student must fulfill the six hour University requirement in Religion by taking REL 1310 and 1350.

INTERUNIVERSITY PROGRAMS

CLINICAL LABORATORY SCIENCE

B.S. Degree

Requirements for a Major in Clinical Laboratory Science

Students attend classes on the Waco campus for three years and take the required curriculum outlined below. The senior year of clinical training is taken at one of the affiliated university or hospital School of Clinical Laboratory Science programs with an accredited curriculum. The clinical training is a twelve-sixteen month, highly intensive course of study in preparation for national certification as a clinical laboratory scientist. It conforms to the *Essentials* published and monitored by the National Accrediting Agency for Clinical Laboratory Sciences. Baylor University is affiliated with Methodist Hospital, School of Clinical Laboratory Science, Houston, Texas; Baylor Scott and White Hospital, School of Clinical Laboratory Science, Temple, Texas; and Tarleton State Clinical Laboratory Science, Fort Worth, Texas.

The Clinical Laboratory Scientist is a vital member of the health care team, working with physicians, laboratory scientists, and clinicians to provide quality patient care. Although Clinical Laboratory Scientists have limited direct patient contact, they play an important role in the patient's health care. They are highly skilled professionals who perform tests to analyze blood, urine, and other body fluids to help the physician prevent, detect and treat disease and to monitor therapy. Most Clinical Laboratory Scientists are employed by hospital or clinic laboratories, but others use their knowledge and skills in research, industry, physician's offices, sales, public health, computer operations, veterinary clinics,

education, laboratory management and even as self-employed consultants.

This program requires:

- A. The basic bachelor of science curriculum.
- B. Requirements in the major in Clinical Laboratory Science:
Students must complete the curriculum in Clinical Laboratory Science at one of the affiliated schools accredited by the National Accrediting Agency for Clinical Laboratory Sciences (30-42 hours of BIO 4V75), maintain a grade point average of 2.0 or better, and have an official transcript from the School of Clinical Laboratory Science mailed to Baylor University Office of Admissions Services.
- C. Additional requirements:
 - 1. BIO 1305-1105 or 1405, 1306-1106 or 1406, 2306-2106, 3342, 4301, 4302-4102, and 4323.
 - 2. CHE 1301-1101, 1302-1102, 3238, 3331, 3332, and 4341.
 - 3. MTH 1321.
 - 4. STA 2381.
 - 5. Sufficient electives, if needed, to bring the total credit to a minimum of ninety-four semester hours, with at least a "C" average, must be completed before beginning clinical training.
 - 6. The residence requirement of a minimum of sixty semester hours must be completed in the College of Arts & Sciences at Baylor. Before beginning the professional program, students must finish **all** required Baylor coursework, and file a graduation card with the Office of Degree Certification indicating their expected graduation term.
- D. When all of the above have been successfully completed, the degree of bachelor of science with a major in Clinical Laboratory Science will be conferred.

PRE-PROFESSIONAL PROGRAMS

PRE-BUSINESS PROGRAM

(See the Hankamer School of Business section of this catalog.)

PRE-LAW

(See Interdisciplinary section of this catalog)

PRE-NURSING

(See Louise Herrington School of Nursing 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 for 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

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.

Dual Admissions

Baylor University has a dual admission program with Baylor College of Medicine (The Baylor² Medical Track). Details are available on the Prehealth homepage at <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-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>.

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.

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.

Requirements for a Minor in Leadership in Medicine

Eligibility for this highly selective program will require enrollment in either the Honors Program, Business Fellows Program, Science Research Fellows Program or University Scholars Program. Students will have to have earned and maintain a minimum cumulative GPA of a 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.

Eighteen semester hours including the following:

- A. MH 4382
- B. PHI 1309 (REL 4395 can be used as an alternative)
- C. 9 hours chosen from the following: ANT 4330; ECO 4350; GTX 3350; SOC 4353; SOC 3372; SOC 4393; PUBH 3351
- D. Leadership in Medicine and Service - a capstone seminar course chosen from HON 3V70 or MH 4V98
- E. Engaged Learning Experience - Chief Medical Officer summer internship between junior and senior years OR a Structured Reading Mentorship Program with a team project at the completion of the semester.

Premedical students will gain three distinct advantages from the minor in medical leadership. First, they will be better practitioners of health care in their 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.

Hankamer School of Business



HANKAMER SCHOOL OF BUSINESS FACULTY

Sandeep Mazumder, Ph.D.	Dean
Timothy R. Kayworth, Ph.D.	Associate Dean, Graduate Programs
Mark G. Dunn, Ph.D.	Associate Dean, Undergraduate Programs
Mitchell J. Neubert, Ph.D.	Associate Dean, Research and Faculty Development
Krista M. Howell, M.S.Ed.	Assistant Dean, Undergraduate Programs
Anthony G. Lapes, M.S.Ed.	Assistant Dean for Operations

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 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.
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 Emily K. Hornok, Ph.D.
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 R. Kathleen Hurtt, Ph.D.
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 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
 Betsy B. Willis, M.Tax
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 J. Allen Seward, Ph.D.

Michael A. Stegemoller, Ph.D.
Qinxi Wu, Ph.D.
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SYSTEMS AND BUSINESS ANALYTICS**

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Lingjiang (Lora) Tu, Ph.D.
Kirk L. Wakefield, Ph.D.
Lane T. Wakefield, Ph.D.

GENERAL INFORMATION

The Hankamer School of Business at Baylor University holds to a visionary standard of excellence whereby integrity stands shoulder-to-shoulder with analytic and strategic strengths.

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 International business and accounting accreditation represents the highest standard of achievement for business schools worldwide. The Hankamer School of Business celebrated 50 years of maintaining AACSB International accreditation in 2009. Less than 5% of business schools worldwide meet the rigorous standards of AACSB International accreditation. Institutions that earn accreditation confirm their commitment to quality and continuous improvement through a rigorous and comprehensive peer review. Accredited business schools set forth a thoughtful and strategic plan, and then marshal the resources to achieve a vibrant and relevant mission. Curricula are evaluated in terms of outcome. AACSB International accreditation demands a superior faculty, supporting high-caliber teaching, research, and meaningful interaction between students and faculty.

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 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, Director
Financial Administration and Budget Office	Kent L. Frank, Manager
Facilities	Jill Combs, Coordinator
Technology Center	Anthony G. Lapes, Assistant Dean

Technology Center

Anthony G. Lapes, M.S.Ed., Assistant Dean

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. 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 more than a dozen videoconferencing systems 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

Brooklyn Bolton, 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 together as a cohort class. Another cohort class, ENT 3301, 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. It 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. Gatherings of our family business "tribe" occur in the fall with our Fall Forum and our Texas Family Business of the Year programs; and in the Spring with our Spring Symposium - a full day of professional content in a conference setting. The IFB enjoys an active presence on social media via Twitter (@BaylorFamilyBiz), Facebook (@BaylorFamilyBusiness), and YouTube (BaylorIFB) or you can text "BaylorIFB" to 22828 to stay informed via newsletter.

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 overarching 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, 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.

Center for Sports Strategy & Sales (S3)

Kirk L. Wakefield, Ph.D., Executive Director, Analytics;

Lane T. Wakefield, Ph.D., S3 Program Director, Sales

Founded in 2004, the S3 program has produced hundreds of alumni who work in 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

H. Stephen Gardner, Ph.D., Director

The Center for International Business was established in 1992 to coordinate and extend the global activities of the Hankamer School of Business. The Center was funded by the estate of Mayo McBride, a World War I veteran, school teacher, and former postmaster of Woodville, Texas.

The Center coordinates the International Business curricula that are offered at the undergraduate and graduate levels at Baylor, and also fosters cooperative exchange and research programs between Baylor and foreign schools and universities. Among many others, the business school presently participates in programs with the Tecnológico de Monterrey (Querétaro, Mexico), Université de Caen (France), WHU-Otto Beisheim School of Management (Vallendar, Germany), St. Louis University (Madrid, Spain), Seinan Gakuin University (Fukuoka, Japan), and Hong Kong Baptist University.

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 Market 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 December 2020 value exceeding \$11.6 million. The students in the Small-Cap Practicum manage the Hodges Fund, which had a December 2020 value exceeding \$877,000. 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.

HONOR SOCIETIES

Beta Alpha Psi, Haylee A. Beard and Daniel T. Shallcross, Advisors

The Alpha Rho Chapter of Beta Alpha Psi was installed as an honorary and professional accounting fraternity on the campus of Baylor University in 1955. The purpose of this organization is to encourage and foster the ideals of scholarship and service as the basis of the accounting profession. Membership is limited to students who have maintained a 3.5 GPA in their accounting courses and a 3.25 cumulative GPA. The student must have completed at least ten semester hours of accounting to be eligible for admission. Meetings are primarily of a professional nature designed to promote the study of accountancy and serve as a medium between professionals, instructors, and students.

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, J. Franklin Potts, 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 Technology Professionals, Hope A. Koch, Advisor

The Baylor University Chapter of the Association of Information Technology Professionals is a professional organization for students planning careers in information systems or related professions. Intended to complement and expand classroom studies, AITP 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.

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.

Baylor Women in Business, Susie Etheredge, Advisor

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.

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, Haylee Beard, Advisor

The Beta Iota Chapter of Delta Sigma Pi is a professional business fraternity open to all qualified men and women in the business major. 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.

Hankamer Consulting Group, Michael Wright, Advisor

The Hankamer Consulting Group strives to prepare Baylor's best and brightest for a career in consulting through case interview preparation, skill development, and strategy discussions. We are committed to making sure that Baylor's students are ready to enter the consulting workforce and will often bring in consulting companies to talk with our members.

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 be involved in the business of professional sports. Monthly meetings are organized by club members to learn and to network with executives and S3 alumni in the business of sports.

STUDENT AWARDS

Alpha Kappa Psi Scholarship Key. Each year, the Epsilon Eta Chapter of Alpha Kappa Psi professional business fraternity awards a gold key and certificate to the male student in the Hankamer School of Business having the highest grade point average during his junior and senior years at Baylor University. Affiliation with the fraternity is not a consideration in making the award.

Burleson Essay Award. On January 22, 1930, an anonymous friend of Baylor donated a \$1,000 five-percent bond with the stipulation that the income of \$50 per annum be given to the Baylor student of junior classification or above who writes the best essay on some phase or problem of taxation in Texas. Essays should be submitted to the chairman of the department of economics who, in conference with two other faculty members, will determine the winner.

Delta Sigma Pi Scholarship Key. The Beta Iota Chapter of Delta Sigma Pi professional business

fraternity recognizes high scholastic attainments by awarding the Delta Sigma Pi Scholarship Key. This award is presented annually to the graduating female senior in business administration who ranks highest in the class.

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 Bob Brewton Baylor Angel Network Endowed Fund
 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 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

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 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 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 R. Michael Bryant Endowed Scholarship Fund
 The Burke Family Endowed Scholarship Fund in Accounting
 The Frank Hammond Burkhart Endowed Accounting Scholarship
 The A. S. Burselson 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 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. Cople 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 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 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 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 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. 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 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 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 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 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 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 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 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 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 Schmeltkopf 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 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 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 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. Welay Endowed Scholarship Fund
The Wells Fargo Endowed Scholarship Fund in Business
The Charles Floyd Wells, Jr. Endowed Scholarship Fund in Business
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 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.

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 Department of Accounting program involves supervised practical accounting work in an approved accounting, commercial, or industrial firm or in an approved not-for-profit entity. The employer agrees to provide, under appropriate supervision, a breadth of meaningful work assignments and to provide the director of accounting internships with a certification of the number of hours worked and an evaluation of the intern's work during the internship period. The intern is required to keep a brief daily log of work assignments and submit this log at the end of the internship period to the director of accounting internships. A written report is required upon completion of the internship. Students desiring academic credit must obtain written approval of their internships from the director of accounting internships before beginning the program.

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.) 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 with regional companies in consultative roles in the fall and research and develop teaching cases in the spring. Students gain international exposure through a class trip to Europe. The purpose of B.E.S.T. is to expose students to integrative thinking and real-world problem solving. 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. 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 are provided summer internships with professional sports teams, brands, agencies and media partners involved in sports and entertainment. The student's S3 emphasis 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. A supply chain management faculty member supervises each intern and works with the sponsoring firm to help ensure a rewarding learning experience.

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 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 BUS 1101, BUS 1201, BUS 1350, ENG 1310, MTH 1308 or 1320 (if needed), and MTH 1309 or 1321 with a minimum grade of "C" in each course. 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 ACC 2303, ACC 2304, BUS 2101, ECO 2306, ECO 2307, and QBA 2302. 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.

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: ENG 1310, MTH 1308 or 1320, MTH 1309 or 1321, and 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 AND SCIENCES COURSES

	sem. hrs.
HUMANITIES AND FINE ARTS	
REL 1310 and REL 1350	6
Choose one course from: ARTH 1300, ARTH 2302, ARTH 2303, FDM 1303, FDM 1309, JOU 1303, MUS 1321, THEA 1301 and THEA 1306	3
Choose three hours from: ENG 2310, any course from the Literature in Context Distribution List* or Foreign Literature	3
MATHEMATICS AND NATURAL SCIENCES	
A Laboratory Science from the Scientific Method I Distribution List**	4
MTH 1308 or MTH 1320 and 1309*** or 1321	3-6
PERSONAL DEVELOPMENT	
PUBH 1145	1
Choose one from: Lifetime Fitness, AS 1111, MILS 1111, or MUEN 1102	1
SOCIAL SCIENCES	
HIS 1300	3
PSC 1387	3
Choose three hours from: ANT 1306, ANT 1325, AS 4302, ENV 2376, LING 1305, MILS 4302, PHI 1308, SOC 1305, SWO 2320, WGS 2300.....	3
WRITTEN AND ORAL COMMUNICATION	
ENG 1310	3
Choose three hours from:	
CSS 1301, 1302, or 1304	3
Choose one of the following options.	
(1) Complete one Foreign Language (including classical languages and American Sign Language) through the second level, either 1302, 1406 (for ASL) or 1412 (three to eight hours)	
or	

- (2) Complete two courses one from each area:
- (A) Choose one course from: Foreign Language (including American Sign Language), JOU/
FDM 3372, ENG 3000-4000 level, or PWR 3000-4000 level
- (B) Choose one course from: Foreign Language (including American Sign
Language), ACC 4350, AS 3302, BUS 3303, ENT 3301, FAS 1311, MKT 3310,
MGT 4320, MILS 3302 or any additional JOU, FDM, ENG, PWR, CSS, LDS, or GTX
course.....3-8 hours

TOTAL ARTS AND SCIENCES.....39-47 sem. hrs.

BUSINESS COURSES

BUSINESS CORE	sem. hrs.
ACC 2303 and 2304.....	6
BL 3305.....	3
BUS 1101, 1201, 1350, 2101, 3101****, 3315, and 4385*****	14
ECO 2306 and 2307	6
FIN 3309 or FIN 3310	3
MIS 3305	3
MGT 3305 and 3325	6
MKT 3305	3
QBA 2302 and 3305.....	6
TOTAL BUSINESS CORE	50

MAJOR

Major field of study..... 12-19

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.

*Literature in Context Distribution List-CLA 2301, CLA 2302, CLA 2306, ENG 2301, ENG 2306, FRE 3312, FRE 3315, GTX 2301, GTX 2302, GTX 3341/THEA 3341, PHI 2303, REL 3301, REL 3308, SPA 3305

**Scientific Method I (with lab) Distribution List-ANT 1404, ANT 1407, BIO 1303-1103, BIO 1305-1105, BIO 1306-1106, BIO 1401, BIO 1405, BIO 1406, CHE 1301-1101, CHE 1302-1102, ENV 1301-1101, ENV 1303-1103, GEO 1401, GEO 1402, GEO 1405, GEO 1410, NSC 1306-1106, PHY 1404, PHY 1405, PHY 1407, PHY 1408, PHY 1409, PHY 1420, PHY 1430, PHY 1455, PHY 2455

***Students with a math score of less than 620 on the SAT or 26 on the ACT will be required to take both MTH 1308 and 1309.

****Students majoring in Accounting will complete ACC 3101 in place of BUS 3101.

*****It is strongly recommended that BUS 3101, FIN 3309 or 3310, MGT 3305, MKT 3305, and MGT 3325 be taken in the junior year with a minimum grade of “C” required. These courses MUST be taken before BUS 4385, the business capstone course.

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.

NOTE: For students majoring in Business for Secondary Education, see description of the major for required courses.

**Sequence of Courses Required
for Admission to the Business School**

FRESHMAN YEAR

Fall	Spring
ENG 1310	MTH 1309 or MTH 1321
MTH 1308 or MTH 1320	BUS 1201 or BUS 1350
BUS 1350 or BUS 1201	
BUS 1101	

SOPHOMORE YEAR**Fall**

ACC 2303
ECO 2306
QBA 2302
BUS 2101

Spring

ACC 2304
ECO 2307

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 immediately advised in the Business School upon entering Baylor and 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):

- 80 or higher on ALEKS Math
- 650 SAT or 27 ACT
- MTH 1320 departmental approved credit pre-matriculation

Documents required:

- 250-word essay (how would you benefit from the program)
- Updated resume
- One letter of recommendation

Curriculum Guidelines:

The following courses are required for Scholars to be able to declare a major within the Business School:

- **BUS 1101** - Connecting to the Hankamer School of Business
- **BUS 1350** - Software Applications for Business Productivity and Decision Making
- **ENG 1310** - Writing and Academic Inquiry Seminar
- **MTH 1321** - Calculus I
- **ECO 1380** - Introduction to Economic Analysis and Policy
- **ACC 2303** - Financial Accounting
- **ACC 2304** - Managerial Accounting
- **QBA 2302** - Business Data Analysis I

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: ENG 1310, MTH 1321, 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, BUS 2101 or a Fine Arts course.
- Hankamer Scholars complete ECO 1380 in place of ECO 2306 and 2307.
- Hankamer Scholars must qualify to take MTH 1321 in their first semester at Baylor, thereby skipping MTH 1320.

Scholars will complete all other degree requirements specified for the BBA degree.

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 and ACC 2304). To enroll in ACC 3301 and 3303, a student must attain a “B” average in ACC 2303 and 2304. 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-six 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
MAJOR REQUIREMENTS

ACC 3301*

Financial Reporting I

ACC 3302**

Financial Reporting II

ACC 3303*

Accounting Information Systems

ACC 3304**

Federal Income Tax

ACC 4308***

Advanced Managerial Accounting

ACC 4330***

Auditing, Assurance & Attestation

18 sem. hrs.

CAREER TRACKS**Five-Year Integrated B.B.A./M.Tax. Degree**

Five business courses

15 sem. hrs.

Six graduate business taxation courses

18 sem. hrs.

See Graduate Catalog for more information.

33 sem. hrs.

Five-Year Integrated B.B.A./M.Acc. Degree

Five business courses

15 sem. hrs.

Six graduate accounting courses

18 sem. hrs.

See Graduate Catalog for more information.

33 sem. hrs.

* ACC 3301 and 3303 must be taken concurrently.

** ACC 3302 and ACC 3304 must be taken concurrently.

***ACC 4308 and ACC 4330 must be taken concurrently.

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.

NOTE: A student MAJORING IN ACCOUNTING will complete ACC 3101 in place of BUS 3101.

ECONOMICS

Dr. J. Henderson, Faculty Mentor

To earn a MAJOR IN ECONOMICS, a student must earn a minimum grade of "C" in ECO 3306, and ECO 3305 or 3307. 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 and 3355 do not count toward the Economics major.

ECONOMICS MAJOR**MAJOR REQUIREMENTS**

ECO 3306

Intermediate Microeconomic Analysis

ECO 3305

Money and Banking

OR

ECO 3307

Intermediate Macroeconomic Analysis

Nine additional hours of Economics upper-level courses, including at least three hours at the 4000-level.

Note: Students who plan to pursue a career in financial analysis should take at least six hours of accounting beyond ACC 2303 and ACC 2304.

Note: A student MAJORING IN ECONOMICS may repeat ECO 3306 and ECO 3305 or 3307 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.

ENTREPRENEURSHIP AND CORPORATE INNOVATION Dr. L. Palich, Faculty

Mentor

To earn a MAJOR IN ENTREPRENEURSHIP AND CORPORATE INNOVATION, a student must complete the following courses:

ENTREPRENEURSHIP AND CORPORATE INNOVATION MAJOR**MAJOR REQUIREMENTS**

All from:

ENT 3320

Entrepreneurial Process

ENT 4310

New Venture Finance: Entrepreneur's Perspective

ENT 4322

Accelerated Ventures Capstone

Any two from:

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 4353

Social Entrepreneurship and Economic Development

ENT 4360

Franchising: Franchisee and Franchisor Perspectives

ENT 4395

Entrepreneurship Internship

ENT 4398

Special Studies in Entrepreneurship

Recommended extra courses: MGT 4320 and MKT 3310

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 and must earn credit for all of the following courses:

FINANCE MAJOR**MAJOR REQUIREMENTS**

FIN 4365

Investment Analysis

ACC 3305*

Intermediate Accounting I

At least one from:

FIN 4335

Business Risk Management

FIN 4350

Financial Modeling

FIN 4360

Advanced Corporate Finance

Additional nine hours from:

FIN 3305**

Principles of Risk Management and Insurance

FIN 3405**

Principles of Real Estate

FIN 4186

Practicum in Small-Cap Investing II

FIN 4285

Practicum in Small-Cap Investing I

FIN 4310

Entrepreneurial Finance

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

Recommended extra courses: ACC 3306, ECO courses (especially 3305, 3306 or 3307), risk management and real estate courses, and professional selling courses such as MKT 3310.

18sem.hrs.

*Students completing a double MAJOR IN FINANCE and ACCOUNTING may waive ACC 3305 in the FINANCE major.

****Students may only take one 3000-level FIN course towards the Finance elective requirement.**
Note: It is strongly recommended that a MAJOR IN FINANCE complete a total of twelve to fifteen hours of accounting to offer the most career flexibility.

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, and complete the following courses:

HUMAN RESOURCE MANAGEMENT MAJOR

MAJOR REQUIREMENTS

All from:

MGT 4320

Negotiating and Conflict Resolution

MGT 4336

Human Resource Management

MGT 4337 - Fall Only

Human Resource Staffing and Employee Relations

MGT 4338 - Spring only

Compensation Management

Any two from:

BL 4303 – Spring only

Employment Law

BUS 3345

Training and Development in Business and Industry

MGT 4395

Internship in Management

FIN 4332 - Fall only

Employee Benefit Planning

18 sem. hrs.

INTERNATIONAL BUSINESS

Dr. S. Gardner, Faculty Mentor

To earn a MAJOR IN INTERNATIONAL BUSINESS, a student must complete INB 3305, INB 3332, and three other INB courses; must complete one modern foreign language through the fourth level as part of the written and oral communication requirement; 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

MAJOR REQUIREMENTS

All from:

INB 3305

Global Business Practices

INB 3332

Business in the Global Economy

Any three from:

INB 3333

Doing Business Across Cultures

INB 3350 (cross-listed ENT 3350)

International Entrepreneurship

ENT 3380

Global Perspectives on New Ventures

INB 4320

International Business Law

INB 4325 (cross-listed MKT 4325)

International Marketing

INB 4331 (cross-listed FIN 4331)

International Business Finance

INB 4333 (cross-listed ECO 4333)

Foreign Exchange Markets

INB 4334 (cross-listed ECO 4334)

Economic Development

INB 4338 (cross-listed AST 4338 & ECO 4338)

Economic Systems of the World

INB 4340

Studies in the Caribbean Region

INB 4345

Global Trade Compliance

15 sem. hrs.

MANAGEMENT

Dr. M. Neubert and Ms. R. Woods, Faculty Mentors

To earn a MAJOR IN MANAGEMENT, a student must complete the following courses:

MANAGEMENT MAJOR

MAJOR REQUIREMENTS

All from:

MGT 4305

Principled Leadership

MGT 4320

Negotiating and Conflict Resolution

MGT 4321

Campus Leadership Practicum

MGT 4330

Project Management

MGT 4336

Human Resource Management

MGT 4355

Management Consulting

Any one from:

INB 3333

Doing Business Across Cultures

BUS 3350

Christian Ethics in Business

MGT 4395

Internship in Management Any two from:

15 sem. hrs.

MANAGEMENT INFORMATION SYSTEMS

Dr. J. Trower and Mr. B. Esserman, Faculty Mentors

To earn a MAJOR IN MANAGEMENT INFORMATION SYSTEMS, a student must complete the following courses:

MANAGEMENT INFORMATION SYSTEMS MAJOR

MAJOR REQUIREMENTS

All from:

MIS 3301*

Introduction to Business Programming Logic

MIS 3320*

System Analysis and Design

MIS 4340

Foundations of Database Systems Development

MIS 4342

Fundamentals of Information Security

Take one from:

MIS 4320

Java Development

MIS 4321

Business System Development

MIS 4322

Advanced Python

Take one from:

MIS 3345

Introduction to Enterprise Systems Using SAP

MIS 4319

Mobile Applications Development

MIS 4330

Project Management
 MIS 4344
Business Intelligence
 MIS 4346
Foundations of Data Warehousing
 MIS 4350
Cyber Security Technology Factors
 MIS 4360
Data Visualization

18 sem. hrs.

Preferred Electives for Areas of Emphasis:

Information Security

BUS 4395 Internship in Business
 MIS 4344 Business Intelligence
 MIS 4350 Cyber Security Technology Factors
 BL 4310 Cyber Law
 PSC 4395 Terrorism

Business Consulting

BUS 4395 Internship in Business
 MIS 3345 Introduction to Enterprise Systems
 MIS 4330 Project Management
 MGT 4355 Management Consulting

*MIS 3301 and MIS 3320 must be taken concurrently and students must receive a “C” or better in both courses.

NOTE: Students who double MAJOR IN MANAGEMENT INFORMATION SYSTEMS and SUPPLY CHAIN MANAGEMENT may waive MIS 4330 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 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, MKT 3330 and MKT 4330.

MARKETING MAJOR MAJOR REQUIREMENTS

All from:

MKT 3325

Consumer Behavior

MKT 3330

Marketing Research

MKT 4330

Marketing Analysis and Decision Making

9 sem. hrs.

Any three courses from the following list or complete three courses from the Sports Strategy & Sales emphasis area:

MKT 3310

Professional Selling and Communications

MKT 3320

Advertising Procedures

MKT 3340

Non-Profit Marketing
 MKT 4310
Sales Force Management
 MKT 4315
Retail Store Management
 MKT 4320
Marketing Channels
 MKT 4321
Advertising Campaigns
 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
Direct Studies in Marketing

Sports Strategy & Sales (S3) Emphasis

MKT 3310*
Professional Selling and Communications
 MKT 4341*
Professional Selling and Communications for Sports II
 MKT 4342**
Sports Marketing Analytics
 MKT 4360**
Customer Analytics
 MKT 4396
Sports Marketing Internship
 MKT 4397**
 S3 Global Sports Business Analytics (Summer Baylor Abroad Program)

*S3 Sales

**S3 Analytics

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). 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**MAJOR REQUIREMENTS**

All from:

MKT 3310

Professional Selling and Communications

MGT 4320

Negotiating and Conflict Resolution

MKT 4311 – Spring only

Professional Selling and Communications II

MKT 4320 - Spring only

Marketing Channels

MKT 4199 - Summer internship, Fall only

Professional Sales Internship

MKT 4310 - Fall only

Sales Force Management/Leadership

MKT 4330

Marketing Analysis and Decision Making

RISK MANAGEMENT AND INSURANCE

Mr. P. Anderson, Dr. J. Garven

and A. Seward, Faculty Mentors

To earn a MAJOR IN RISK MANAGEMENT AND INSURANCE, a student must complete the following courses:

RISK MANAGEMENT AND INSURANCE**MAJOR REQUIREMENTS**

FIN 3305

Principles of Risk Management and Insurance

Any three from:

FIN 4320 – Fall only

Fundamentals of Property and Liability Insurance

FIN 4335

Business Risk Management

FIN 4311–Spring only

Fundamentals of Life and Health

FIN 4332 - Fall only

Employee Benefit Planning

12 sem. hrs.

NOTE: Students must take FIN 3310 if they plan to take FIN 4335.

SUPPLY CHAIN MANAGEMENT

Drs. B. McCormick, P. Reyes, and J. Strakos,

Faculty Mentors

To earn a MAJOR IN SUPPLY CHAIN MANAGEMENT, a student must complete the following courses.

SUPPLY CHAIN MANAGEMENT MAJOR**MAJOR REQUIREMENTS**

All from:

MGT 3320

Distribution Management

MGT 3333

Procurement and Materials Management

- MGT 4345
Global Supply Chain Management
- Any three from:
MGT/MIS 3345
Introduction to Enterprise Systems Using SAP
- MGT 4330
Project Management
- MGT 4396
Supply Chain Management Internship
- MGT 4355*
Management Consulting
- MGT 4320*
Negotiating and Conflict Resolution

*Supply Chain Management majors may only take MGT 4355 or MGT 4320.

BUSINESS FOR SECONDARY EDUCATION (with Teacher Certification)

Mrs. Laura Lalani, Advisor

The BUSINESS FOR SECONDARY EDUCATION MAJOR prepares students for teaching basic business, business administration, or computer information systems courses at the high school level. This major includes all of the courses required for teacher certification upon graduation. A combination of business and education courses provides a solid background for the student who plans a career in secondary education. The curriculum includes basic and upper level courses with strong emphasis on general business courses coupled with over 40 semester hours of teaching practicum primarily in the secondary education classroom.

To earn a B.B.A. in BUSINESS FOR SECONDARY EDUCATION with teacher certification, a student must complete the following courses:

BUSINESS FOR SECONDARY EDUCATION with Teacher Certification			
MAJOR REQUIREMENTS			
General Studies	sem. hrs.		sem. hrs.
REL 1310, 1350	6	ECO 2306, 2307	6
ENG 1310	3	PUBH 1145	1
HIS 1300	3	Fine Arts or Literature course**	3
MTH 1308*, MTH 1309	3-6	Electives***	3-6
PSC 1387	3	Total General Studies	39
Lab Science	4		
LF	1		
Chapel (2 semesters)	no credit		
Business Core	sem. hrs.		sem. hrs.
BUS 1101, 1201, 1350, 3315, 4385	12	BL 3305	3
ACC 2303, 2304	6	FIN 3309 or 3310	3
QBA 2302, 3305	6	MKT 3305	3
MIS 3305	3	MGT 3305, 3325	6
		Total Business Core	42
Professional Education	sem. hrs.		sem. hrs.
TED 3180	1	TED 4V98	3
TED 3380	3	TED 4640, 4641(fall)	12
TED 3342, 3398 (fall)	6	TED 4642, 4643 (spring)	12
TED 3641 (spring)	6	Total Professional Education	43

Total Degree Requirement: 124 sem. hrs.

* If required.

** Course options include: ART 1300, ART 2302, ART 2303, FDM 1303, FDM 1309, JOU 1303, MUS 1321, THEA 1301, THEA 1306, ENG 2310, CLA 2301, CLA 2302, CLA 2306, ENG 2301, ENG 2306, FRE 3312, FRE 3315, GTX 2301, GTX 2302, GTX/THEA 3341, PHI 2303, REL 3301, REL 3308, and SPA 3305.

*** Students needing to take MTH 1308 will have 3 hours of electives required. Students who do not need to take MTH 1308 will have 6 hours of electives required.

Students must adhere to GPA requirements in both the School of Education and Hankamer School of Business. To qualify for the Teacher Certification, the student must pass all required state exams.

BAYLOR BUSINESS FELLOWS

Drs. A. Seward, C. North, and S. Green, 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 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 annually 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
- REL 1310 and REL 1350.
- 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.

CERTIFICATE IN BUSINESS ANALYTICS 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.

Required Courses:

		sem. hrs.
MIS 4340	Foundations of Database System Development	3 hours
MIS 4344	Business Intelligence	3 hours
MIS 4360	Fundamentals of Data Visualization	3 hours
<i>Any two from:</i>		
ECO 4347	Econometrics	3 hours
MIS 4346	Foundations of Data Warehousing	3 hours
MIS 4395	BI/Analytics Practicum (internship)	3 hours
MKT 4360	Customer Analytics	3 hours
ECO 4351	Data Science I - Fall only	3 hours
ECO 4352	Data Science II - Spring only	3 hours
TOTAL		15 hours

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 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.
- A minimum average GPA of 3.0 in the courses for this certificate is required.

Note: Students pursuing this certificate are encouraged to take MTH 1321 (Calculus 1) in place of MTH 1309 (Calculus for Business Students).

CERTIFICATE IN ENERGY COMMERCE 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.

Required Courses:

	sem. hrs.
GEO 1306/1106 Earth Through Time and Lab	4 hours
GEO 1405* The Dynamic Earth (or GEO 1305/1105)	4 hours
BUS 2222 Introduction to Energy Commerce ⁺⁺	2 hours

GEO 4361	Applied Petroleum Geoscience ⁺⁺⁺	3 hours
ECO 4321	Energy Economics	3 hours
ACC 4310	Energy Accounting and Law	3 hours
BUS 4V95	Energy Commerce Internship	1 hour
TOTAL		20 hours

Notes:

*Students may also complete GEO 1403 in place of GEO 1405, but GEO 1405 is preferred.

⁺⁺ A student must earn a minimum grade of “B” in BUS 1201 or ECO 1380 to enroll in BUS 2222

⁺⁺⁺ A student must earn a minimum grade of “B” in GEO 1306/1106 and either GEO 1403 or GEO 1405, with GEO 1405 preferred. Enrollment in GEO 4361 is limited and will be subject to instructor permission.

Admission:

Admission to the Certificate Program in Energy Commerce is competitive. Students apply for admission to the program after they have completed BUS 1201 (or ECO 1380) and GEO 1306/1106 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
- A minimum grade of “C” in GEO 4361
- A minimum cumulative GPA of 3.0

MINORS ON THE B.B.A. DEGREE

Business students may earn minors on the B.B.A. degree from a number of disciplines in other colleges and schools of the university. Students may use electives toward a minor. The following minors are available:

Advertising	History
American Sign Language	Informal Education
American Studies	International Studies
Anthropology	Italian
Apparel Merchandising	Japanese
Arabic	Latin
Archaeology	Latin American Studies
Art History	Leadership in Medicine
Asian Studies	Leadership Studies
Astronomy	Legal Reasoning and Analysis
Astrophysics	Linguistics
Aviation Sciences	Mathematics
Biochemistry	Media Management
Biology	Medical Humanities
Chemistry	Middle East Studies
Child and Family Studies	Military Studies
Chinese	Museum Studies
Church Music	Music
Civic Interfaith Studies	News Editorial
Classics	Nutrition Sciences
Computer Science	Outdoor Education and Leadership
Corporate Communication	Philosophy
Creative Writing	Photojournalism
Criminal Justice	Physics
Dance	Political Science

Earth Science	Poverty Studies and Social Justice
Educational Psychology	Public Health
Engineering	Public Relations
English	Recreation Ministry
Environmental Studies	Religion
Film and Digital Media	Rhetoric and Public Discourse
Forensic Science	Russian
French	Sociology
General Family and Consumer Sciences	Spanish
Geology	Statistics
German	Studio Art
Gerontology	Theatre Design and Technology
Great Texts of the Western Tradition	Women's and Gender Studies
Greek	World Affairs
Greek and Roman Studies	

SPECIAL DEGREE PROGRAMS

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).

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

Requirements for a Minor in Business Administration:

ECO 1305*	Issues in Economics for Non-Business Majors
ACC 2301	Survey of Accounting
MGT 3301	Managing People in Organizations
MKT 3301**	Marketing Concepts
BUS 3302	Personal Financial Decisions
ENT 3315	Starting and Managing a Business

18 hours

A minimum grade of "C" in all Business Administration minor classes is required to be awarded the Business Administration minor.

*ECO 2306 or 2307 may substitute for the ECO 1305 requirement.

**Students interested in pursuing a career in a Nonprofit Organization may substitute MKT 3340 (Nonprofit Marketing) for MKT 3301 (Marketing Concepts).

ECONOMICS MINOR

Drs. C. North and L. English, Advisors

Requirements for a Minor in Economics:

ECO 2306**	Principles of Microeconomics
ECO 2307 **	Principles of Macroeconomics
ECO 3306	Intermediate Microeconomics Analysis

ECO 3305 or 3307 Money and Banking or Intermediate Macroeconomic Analysis

3 hours of any 4000-level Economics elective

3 hours of an additional Economics elective

**ECO 2306 and 2307 require a cumulative 3.0 GPA.

-MTH 1321 should be taken to satisfy the math degree requirement.

-ECO 1305, 3308, and 3355 do not count towards the Economics minor.

18 hours

ENTREPRENEURSHIP MINOR

Dr. L Palich, Advisor

Requirements for a Minor in Entrepreneurship:

ENT 3315 Starting and Managing a Business

ENT 3380 Global Perspectives on New Ventures

ENT 4325 Entrepreneurial Leadership

MKT 3310 Professional Selling and Communications or MKT 3301 Marketing Concepts

Pick one Entrepreneurship course from: ENT 3301, 3350, 4320, 4321, 4330, 4340, 4351, 4353, or 4360

Pick one Business course from: ACC 2301, BUS 3302, or MGT 3301

18 hours

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 Austin

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

COUNCILS

The Executive Council. Dean S. Mazumder; associate deans, T. Kayworth, M. Dunn, M. Neubert; department chairs, P. Klein, J. Trower, E. Hunter, J. Henderson, C. Pullig, B. Lail, S. Underwood; *ex officio* members: director 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, Matt Wood, Anthony Lapes, and Cheryl Kay.

Character: Tim Kayworth, Mitch Neubert, Trey Hagins, Blaine McCormick, Marty Stuebs, Rachel Woods, 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, Robert Ingram, C.J. Jackson, Brad Lail, Michael Estep, Chris Krause, and Steve Gardner

The Academic Strategic Planning Task Force

Jonathan Trower, Gia Chevis, Matt Wood, Tim Kayworth, Blaine McCormick, Mitch Neubert, Peter Klein, Steve Green, Chuck North

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

The Scholarship Excellence Task Force

Tisha Emerson, Marty Stuebs, Rachel Woods, Peter Klein, Owen Brown, Jae Kwon, Josh Strakos, Stacie Petter, Jim Roberts, Lora Tu. *Ex Officia:* Jonathan Trower, Matt Wood, 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:

Accounting	Dr. Caroline Ford
Baylor Business Fellows	Dr. Allen Seward, Dr. Chuck North, and Dr. Steven Green
Business for Secondary Education	Mrs. Laura Lalani
Economics	Dr. James Henderson
Entrepreneurship	Dr. Les Palich
Finance	Dr. Steve Rich
Human Resource Management	Dr. Cindy Wu, Dr. Sara Perry and Dr. Kyongji Han
Management Information Systems	Mr. Bud Esserman and Dr. Jonathan Trower
International Business	Dr. Steve Gardner

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	
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	Mr. Bryan DeVries, M.Div., Senior Advisor
All Majors	Mrs. Megan Glover, M.S.Ed., Advisor
All Majors	Mrs. Holly Jahrmarkt, M.S. Ed., Senior Advisor
All Majors	Mr. Chad Shearn, M.Div., Advisor
Students minoring in business as a non-BBA student are advised as follows:	
Business Administration	Mrs. Pam Bailey
Economics	Dr. James Henderson
Entrepreneurship Minor	Dr. Les Palich

School of Education



SCHOOL OF EDUCATION FACULTY

Shanna Hagen Burke, Ph.D.	Dean
Terrill F. Saxon, Ph.D.	Associate Dean
Suzanne M. Nesmith, Ph.D.	Associate Dean
Joel R. Porter, Psy.D.	Assistant Dean
Krystal K. Goree, Ph.D.	Director of Professional Practice

DEPARTMENT OF EDUCATIONAL
ADMINISTRATION

Jeffrey C. Petersen, Ph.D., Interim Chair
Nathan F. Alleman, Ph.D.
Perry L. Glanzer, Ph.D.
Tiffany Hogue, J.D.
Marshal J. Magnusen, Ph.D.
Leanne L. Newman, Ed.D.
Rishi R. Sriram, Ph.D.
John E. Wilson, Ph.D.
Bradley Carpenter, Ph.D.
Jon Eckert, Ed.D.
Angela Urick, Ed.D.

DEPARTMENT OF CURRICULUM
AND INSTRUCTION

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Barbara Cassidy, Ed.D.
Sandi Cooper, Ph.D.
Leanne Howell, Ph.D.
Kelly Johnson, Ed.D.
Karon N. Le Compte, Ph.D.
Madelon McCall, Ed.D.
Kevin Magill, Ph.D.
T. Philip Nichols, Ph.D.
Suzanne M. Nesmith, Ph.D.
Wes Null, Ph.D.
Rachelle D. Rogers, Ed.D.
Susan H. Schafer, Ph.D.
Lakia Scott, Ph.D.
Richard Strot, M.Ed.
Sandra Talbert, Ed.D.

Tony L. Talbert, Ed.D.
Margaret S. Thomson, M.Ed.
Trena L. Wilkerson, Ph.D.
Mona M. Choucair, Ph.D.
Julia Earl, Ph.D.
Maria Lang, Ph.D.
Jessica Padron Meehan, Ed.D.
Justina Ogoto, Ph.D.
Douglas W. Rogers, Ed.D.
Laila Sanguras, Ph.D.
Neil Shanks, Ph.D.

DEPARTMENT OF EDUCATIONAL
PSYCHOLOGY

Grant Morgan, Ph.D., Chair
Jessica Akers, Ph.D.
Janet H. Bagby, Ph.D.
Nicholas F. Benson, Ph.D.
Tonya N. Davis, Ph.D.
Stephanie Gerow, Ph.D.
Tamara Hodges, Ph.D.
Julie K. Ivey-Hatz, Ph.D.
Todd Kettler, Ph.D.
Kristen Padilla-Mainor, Ed.S.
Eric L. Robinson, Ph.D.
Tracy Sulak, Ph.D.
Jennifer Robins, Ph.D.
Sara Tomek, Ph.D.

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. A limited number of graduate assistantships, which provide tuition assistance and a stipend, are available. Interested students should visit with the graduate program director in the desired area of study. Applications for graduate assistantships are available in the office of the Associate Dean for Graduate Studies and Research.

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.

Collegiate Middle Level Association

The Collegiate Middle Level Association (CMLA) is a national student organization that is affiliated with the National Middle School Association (NMSA). The purpose of the CMLA is to promote and support the professional development of future middle level teachers. The Baylor chapter of the CMLA provides School of Education students pursuing Middle Level (grades 4-8) certification with opportunities for fellowship, professional development, and service. The members of the Baylor CMLA chapter receive NMSA publications, job market communications, and discounts on national conferences.

and workshops. Membership is open to anyone interested in the education of young adolescents.

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.

Student Council for Exceptional Children

The Student Council for Exceptional Children (SCEC) is a student professional organization for anyone interested in Special Education. The Baylor chapter is affiliated with the state and national Council for Exceptional Children as well as state and national SCEC. Members receive two professional journals for special educators. Opportunities for involvement at the state and national level are available for interested members. The meetings feature guest speakers on various aspects of Special Education and are open to nonmembers. Activities include involvement in Special Olympics and other experiences with individuals with disabilities.

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 2017-2018, Baylor University School of Education enrolled 433 students in teacher education programs. There were 133 students enrolled in supervised student teaching/internships.

The pass rate for the 131 students who completed TExES testing was 100%.

Texas Educator Certification Online System (ECOS)

For the year 2018-2019, the pass rate for the students who took official TExES tests was 99% for Baylor University's School of Education.

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/.

- 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:
 - 1. Early Childhood – Grade 6 Core Subjects
 - 2. Grades 4-8
 - English Language Arts and Reading
 - Mathematics
 - Science
 - Social Studies
 - 3. Grades 6-12
 - Business and Finance
 - Physical Science
 - 4. Grades 7-12
 - English Language Arts and Reading
 - History
 - Life Science
 - Mathematics
 - Science
 - Social Studies
 - 5. Early Childhood - Grade 12 (All-level)
 - Deaf and Hard of Hearing
 - Music
 - Physical Education
 - Special Education
 - Spanish
 - 6. Supplemental Certificates
 - English as a Second Language
 - Gifted and Talented
- C. Receive satisfactory score(s) on TExES certification exams.

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/tea>. 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 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 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 rights 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 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:

- a. **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.
- b. **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.
- c. **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.
- d. **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.

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

Educational Psychology
Leadership
Secondary Education Minor BA/BS Biology
Secondary Education Minor BA/BS History
Secondary Education Minor BA/BS Mathematics
Secondary Science Education Concentration - Health Science Studies

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 minor 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 minor 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 minor 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.

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/

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.

BACHELOR OF SCIENCE IN EDUCATION WITH ELEMENTARY TEACHING CERTIFICATION

I. Degree Requirements	124-127 sem. hrs.
A. Advanced Hours.....	minimum 36 hrs.
B. Professional Education.....	minimum 36 hrs.
C. Academic Major.....	minimum 36 hrs.
II. Residence Requirements	
A. Degree Minimum.....	60 sem. hrs., including last 30 hrs.
B. Chapel—two semesters.....	no credit
III. 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.	
IV. General Studies (BIC)	47-52 hrs.
A. BIC 1212, 1314, 1323, 1324, 1413, 2330, 2334, 2340, 2344, 2437, 2447, 3358.....	38 hrs.
B. MTH 1315 and 1316	6 hrs.
C. Language	3-8 hrs.
Second semester proficiency in a modern or classical language	
D. Chapel—two semesters	no credit
V. General Studies (Non-BIC)	42-48 hrs.
A. ENG 1310 and 2310	6 hrs.
B. REL 1310 and 1350	6 hrs.
C. Language	3-8 hrs.
Second semester proficiency in a modern or classical language:	
D. MTH 1315 and 1316	6 hrs.
E. Laboratory Science: Choose from BIO, CHE, ENV, GEO, PHY	7-8 hrs.
F. Social Science: HIS 1300 and PSC 1387 and complete 3 hours from any A&S Contemporary Distribution list or TED 2380 and TED 2381.....	9 hrs.
G. 3 hours from the A&S Fine Arts and Performing Arts Distribution list.....	3 hrs.
H. Lifetime Fitness: 2 hours of any LF, may include PUBH 1145	2 hrs.
I. Chapel—two semesters	no credit
VI. Professional Studies	10 hrs.
TED 1312, 3180, 3380, EDP 3326	
VII. Academic Major	24 hrs.
A. TED 3301, 3325, 4302, 4303, 4307, 4308, 4312, and 4326	21 hrs.
B. MTH 3318.....	3 hrs.
VIII. Teaching Associate	12 hrs.
TED 3620 and 3621	
IX. Internship	24 hrs.
TED 4620, 4621, 4622, 4623	

BACHELOR OF SCIENCE IN EDUCATION WITH MIDDLE GRADES TEACHER CERTIFICATION

I. Degree Requirements	minimum 124 sem. hrs.
A. Advanced Hours.....	minimum 36 hrs.
B. Professional Education.....	minimum 36 hrs.
C. Academic Major.....	minimum 30 hrs.
II. Residence Requirement – minimum	
A. Degree Minimum.....	60 hrs., including last 30 hrs.
B. Chapel—two semesters.....	no credit
III. Grade Point Average – minimum	
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.	
IV. General Studies (BIC)	47-54 hrs.
A. BIC 1212, 1314, 1324, 1323, 1413, 2330, 2334, 2340, 2344, 2437, 2447, 3358.....	38 hrs.

B. MTH 1315 and 1316	6 hrs.
C. Language	3-8 hrs.
Second semester proficiency in a modern or classical language	
D. Lifetime Fitness	2 hrs.
E. Chapel—two semesters	no credit
V. General Studies (Non-BIC)	39-45 hrs.
A. ENG 1310 and 2310	6 hrs.
B. REL 1310 and 1350	6 hrs.
C. Language	3-8 hrs.
Second semester proficiency in a modern or classical language	
D. MTH 1315 and STA 1380	6 hrs.
1. Math major requirement: MTH 1315 and 1316	
2. Science major requirement: MTH 1320 and STA 1380	
E. Laboratory Science: Choose from BIO, CHE, ENV, GEO, PHY	8 hrs.
<i>Note: Science majors will complete courses required in major.</i>	
F. Social Science: HIS 1300 and PSC 1387	6 hrs.
G. 3 hours from the A&S Fine Arts and Performing Arts Distribution list	3 hrs.
H. Lifetime Fitness: 2 hours of any LF, may include PUBH 1145	2 hrs.
I. Chapel—two semesters	no credit
VI. Professional Studies	10 hrs.
TED 1312, 3180, 3380, EDP 3326	
VII. Academic Majors	27-36 hrs.
A. English, Language Arts, and Reading	27 hrs.
1. ENG 1310, 2301, 2304, 2306, 2310, 3302 or 3310, 4324	21 hrs.
2. LS 4320 or LS 4307	3 hrs.
3. TED 3335, 3346, 4322	9 hrs.
B. Mathematics	36 hrs.
1. MTH 1315, 1316, 2316, 2317, 3318, 3351, 3374, 3342	27 hrs.
2. TED 4326, 4337, 4349	9 hrs.
C. Social Studies	42 hrs.
1. HIS 1305, 1307, 2365, 2366, 2395, 3380	18 hrs.
<i>Note: World Cultures I, II, III, and IV in the BIC program will substitute for HIS 1305, 1307, 2365, 2366, 2395, 3380.</i>	
2. PSC 1305	3 hrs.
3. ECO 1305	3 hrs.
4. Complete 9 advanced hours (3000-4000) from ANT, ECO, GEOG, HIS, PSC, or SOC	9 hrs.
5. TED 4341, 3362 and 4355	9 hrs.
D. Science	35 hrs.
1. BIO 1305, 1105, 1306, 1106	8 hrs.
2. CHE 1301, 1302, 1101, 1102	8 hrs.
3. GEO 1408	4 hrs.
4. PHY 1405 and 1455	8 hrs.
5. TED 4325, TED 3336	6 hrs.
VIII. Teaching Associate	9 hrs.
TED 3630, 3370	
IX. Internship	24 hrs.
TED 4630, 4631, 4632, 4633	

BACHELOR OF SCIENCE IN EDUCATION WITH SECONDARY TEACHER CERTIFICATION

I. Degree Requirements	minimum 124 sem. hrs.
A. Advanced Hours	minimum 36 hrs.
B. Professional Education	minimum 36 hrs.
C. Academic Major	minimum 36 hrs.
II. Residence Requirement – minimum	
A. Degree minimum	60 hrs., including last 30 hrs.

- B. Chapel—two semesters..... no credit
- III. 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.
- IV. General Studies (BIC) 49-57 hrs.**
- A. BIC 1212, 1314, 1323, 1324, 1413, 2330, 2334, 2340, 2437, 2447, 3358 38 hrs.
- B. MTH 1301 and STA 1380 6 hrs.
1. Life Science major requirement: MTH 1320 and STA 1380
2. Math major requirement: MTH 1321 and 1322
3. Physical Science major requirement: MTH 1321 and 1322
- C. **Language** 3-8 hrs.
- Second semester proficiency in a modern or classical language.
- D. Lifetime Fitness 2 hrs.
- E. Chapel—two semesters no credit
- V. General Studies (Non-BIC) 39-45 hrs.**
- A. ENG 1310 and 2310 6 hrs.
- B. REL 1310 and 1350 6 hrs.
- C. **Language** 3-8 hrs.
- Second semester proficiency in a modern or classical language.
- D. MTH 1301 and STA 1380 6 hrs.
1. Life Science major requirement: MTH 1320 and STA 1380
2. Math major requirement: MTH 1321 and 1322
3. Physical Science major requirement: MTH 1321 and 1322
4. Computer Science majors will complete courses required in major.
- E. Laboratory Science: Choose from BIO, CHE, GEO, PHY 8 hrs.
- Note: Life Science and Physical Science majors will complete courses required in their respective majors.*
- F. Social Science: HIS 1300 and PSC 1387 6 hrs.
- G. Fine Arts: 3 hours from the A&S Fine Arts and Performing Arts Distribution list..... 3 hrs.
- H. Lifetime Fitness: 2 hours of any LF, may include PUBH 1145 2 hrs.
- I. Chapel—two semesters **no credit**
- VI. Professional Studies 6 hrs.**
- TED 1312, 3180, 3380, EDP 3326
- VII. Academic Major 30- 45 hrs.**
- A. English, Language Arts, and Reading 36 hrs.**
1. ENG 1310, 2301, 2306, 2310, 3302, 3380, 3390, 4324..... 24 hrs.
2. Choose nine (9) hours from 3000 or 4000 level ENG..... 9 hrs.
3. LS 4320 3 hrs.
4. TED 3346, 4322 6 hrs.
- B. Life Science 44 hrs.**
1. BIO 1305, 1105, 1306, 1106, 2306, 2106, 3303, 3422 or HP 1420, 4365 or 4366, 4333 or one BIO upper level (3000-4000) course, PHY 1405 and GEO 1408..... 33 hrs.
2. CHE 1301, 1101, 1302, 1102 8 hrs.
3. TED 4325 3 hrs.
- C. Mathematics 42 hrs.**
1. MTH 1321, 1322, 2311, 2321, 3300, 3312, 3323, 3342, 3350, 3374 STA 3381..... 36 hrs.
2. TED 4348 and 4349 6 hrs.
- D. Physical Science 40 hrs.**
1. CHE 1301-1101, 1302-1102, 3331, 3332, 3238..... 17 hrs.
2. PHY 1420, 1430, 1455 12 hrs.
3. Six (6) to eight (8) hrs. BIO or GEO 6-8 hrs.
4. TED 4325 3 hrs.

E.	Social Studies	36 hrs.
	1. ECO 1305	3 hrs.
	2. HIS 1305, 1307, 2365, 2366, 2395, 3380.....	21 hrs.
	<i>Note: World Cultures I, II, III, and IV in the BIC program will substitute for HIS 1305 and 1307.</i>	
	3. Nine (9) hrs. from: ANT, ECO, GEOG, HIS,PSC, SOC.....	9 hrs.
	4. PSC 1305	3 hrs.
	6. TED 4341, 4355	6 hrs.
VIII.	Teaching Associate	9 hrs.
	A. TED 3342 and 3641	
	B. One course from the following based on content field (Mathematics, Social Studies, .. Science or English Language Arts). TED 3383, 3385, 3387, 3394, 3396	
IX.	Internship	24 hrs.
	TED 4640, 4641, 4642, 4643	

**BACHELOR OF SCIENCE IN EDUCATION
WITH ALL-LEVEL SPANISH TEACHER CERTIFICATION**

I.	Degree Requirements	minimum 124 sem. hrs.
	A. Advanced Hours	minimum 36 hrs.
	B. Professional Education	minimum 36 hrs.
	C. Academic Major	minimum 30 hrs.
II.	Residence Requirements	
	A. Degree Minimum	60 hrs., including last 30 hrs.
	B. Chapel-two semesters	no credit
III.	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.	
IV.	General Studies (BIC)	43 hrs.
	A. BIC 1212, 1314, 1323, 1324, 1413, 2330, 2334, 2340, 2344, 2437, 2447, 3358 ...	38 hrs.
	B. MTH 1301 and STA 1380	6 hrs.
	C. Lifetime Fitness	2 hrs.
	D. Chapel-two semesters	no credit
V.	General Studies (Non-BIC)	47 hrs.
	A. ENG 1310 and 2310	6 hrs.
	B. REL 1310 and 1350	6 hrs.
	C. MTH 1301 and STA 1380	6 hrs.
	D. Laboratory Science: Choose from BIO, CHE, ENV, GEO, PHY	7-8 hrs.
	E. Social Science: HIS 1300 and PSC 1387	6 hrs.
	F. Fine Arts: 3 hours from the A&S Fine Arts and Performing Arts Distribution list.....	3 hrs.
	G. Lifetime Fitness: 2 hours of any LF, may include PUBH 1145	2 hrs.
	H. Chapel-two semesters	no credit
VI.	Professional Studies	6 hrs.
	TED 1312, 3180, 3380, EDP 3326	
VII.	Academic Major	34-38 hrs.
	A. SPA 1301 and 1302 or 1412	4-6 hrs.
	B. SPA 2310 or 2311 and 2320	6 hrs.
	<i>Note: SPA 2322 can substitute for SPA 2320</i>	
	C. SPA 3302; 3305; 3309; 3310 or 3311; 4303 or 4304, 4330; 4315; Advanced Spanish Elective (3 s.h.) (3000-4000 Level)	24 hrs.
VIII.	Teaching Associate	12 hrs.
	TED 3342, 3641, 3390	

- IX. **Internship** **24 hrs.**
 A. TED 4630, 4631, 4632, 4633 or
 B. TED 4640, 4641, 4642, 4633
 C. Internship placement to be determined between student and clinical practice coordinator.

**BACHELOR OF SCIENCE IN EDUCATION
 WITH ALL-LEVEL SPECIAL EDUCATION TEACHER CERTIFICATION**

- I. **Degree Requirements** **minimum 124 sem. hrs.**
 A. Advanced Hours..... minimum 36 hrs.
 B. Professional Education..... minimum 36 hrs.
 C. Academic Major..... minimum 28 hrs.
- II. **Residence Requirement** – minimum
 A. Degree Minimum 60 hrs. including last 30 hrs.
 B. Chapel–two semesters..... no credit
- III. **Grade Point Average**
 A. Grade point are earned on residence work at Baylor only.
 B. Minimum required for retention in major: 2.75 average in major and overall.
- IV. **General Studies (BIC)** **49-57 hrs.**
 A. BIC 1212, 1314, 1413, 1324, 1323, 2330, 2334, 2437, 2340, 2344, 2447, 3358.....38 hrs.
 B. MTH 1315 and 1316..... 6 hrs.
 C. **Language**..... 3-8 hrs.
 Second semester proficiency in a modern or classical language:
 D. Lifetime Fitness 2 hrs.
 E. Chapel–two semesters..... no credit
- V. **General Studies (Non-BIC)** **39-45 hrs.**
 A. ENG 1310 and 2310..... 6 hrs.
 B. REL 1310 and 1350 6 hrs.
 C. **Language**..... 3-8 hrs.
 Second semester proficiency in a modern or classical language:
 D. MTH 1315 and 1316..... 6 hrs.
 E. Laboratory Science: Choose from BIO, CHE, ENV, GEO, PHY..... 8 hrs.
 F. Social Science: HIS 1300 and PSC 1387..... 6 hrs.
 G. Fine Arts: 3 hours from the A & S Fine Arts and Performing Arts
 Distribution list..... 3 hrs.
 H. Lifetime Fitness: 2 hours of any LF, may include PUBH 1145..... 2 hrs.
 J. Chapel–two semesters..... no credit
- VI. **Professional Studies** **6 hrs.**
 TED 1312, EDP 2360
- VII. **Academic Major** **25-26 hrs.**
 A. EDP 3326, 3368, 3334, 3470, 4351, 4352 and TED 4312 or CSD 1405 24-25 hrs.
 B. EDP 3361, 3376 6 hrs.
- VIII. **Teaching Associate** **12 hrs.**
 EDP 3660, 3362, and 3379
- IX. **Internship** **24 hrs.**
 EDP 4660, 4661, 4662, 4663

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 Certification
- English as a Second Language Supplemental Certification
 (Applicable to all levels of certification)

Gifted and Talented: (Courses required)

- EDP 2350 Teaching GT Students (taken in the sophomore year)
- EDP 3324 Learning and Development (taken in the sophomore year)
- EDP 3326 The Developing Child (taken in the sophomore year)
- EDP 3650 Teaching Association Gifted and Talented Part I
- EDP 4351 Differentiating Instruction (GT Section) (taken in senior year)
- EDP 4352 Exceptionalities (GT Section) (taken in senior year)
- EDP 4650 Internship Gifted and Talented Part I
- EDP 4651 Internship Gifted and Talented Part II

English as a Second Language: (Course required)

Add TED 4312 Methods of Teaching English as a Second Language.

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 lead to the master's

degree and teacher certification. The joint degree program enables qualified Baylor University students in select undergraduate programs* 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 15 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

Twice Exceptionalities (All-Level Special Education and Gifted-Talented Supplemental certifications)

Special Education (All-Level Special Education certification)

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)

Content Areas (Middle and Secondary Education):

- Art Business
- English (English Language Arts and Reading)
- History
- Life Science
- Mathematics
- Physical Science
- Science
- Social Studies
- Spanish

M.A.T. Degree Plan for Elementary (EC-6) Education Certification

(Early Childhood through Grade 6 General Education certification)

Required Courses for MAT and Certification Program.....36 sem. hrs.

- EDC 5392 Issues in Diversity
- EDC 5332 Mathematics in Elementary School
- EDC 5360 Science in Elementary School
- EDC 5300 Advanced Social Studies Methods Elementary School
- EDC 5304 Problems Teaching Reading
- TED 4312 Methods of Teaching English as a Second Language
- EDC 5690 Teaching Associate
- EDC 5699 Internship
- EDC 5318 Integrating Language Arts in the Elementary School
- EDC x3xx Elective

M.A.T. Degree Plan for Middle Grades Education Certification

(Grades 4 – 8 content-specific certification)

Required Courses for MAT and Certification Program.....36 sem. hrs.

- EDC 5392 Issues in Diversity
- EDC 5303 Models of Teaching
- EDC 5370 Application of Technology
- TED 4312 Methods of Teaching English as a Second Language
- TED 43xx Content Curriculum (or EDC 53xx)
- EDC 5342 Data and Instructional Design
- EDC 5691 Teaching Associate
- EDC 5699 Internship
- EDC x3xx Elective
- EDC x3xx Elective

M.A.T. Degree Plan for Secondary Education Certification

(Grades 7 – 12 content-specific certification / Grades 6 – 12 for physical science certification)

Required Courses for MAT and Certification Program.....36 sem. hrs.

EDC 5392	Issues in Diversity
EDC 5303	Models of Teaching
EDC 5317	Special Techniques in Secondary Schools
TED 4312	Methods of Teaching English as a Second Language
TED 43xx	Content Curriculum (or EDC 53xx)
EDC 5692	Teaching Associate Secondary
EDC 5699	Internship
EDC x3xx	Elective
EDC x3xx	Elective
EDC x3xx	Elective

M.A.T. Degree Plan for Special Education Certification

(All-Level Special Education certification)

Required Courses for MAT and Certification Program.....36 sem. hrs.

EDP 5332	Human Growth and Development
EDP 5366	Psychology of Exceptional Children
EDU 5377	Applied Behavior Analysis
EDP 5361	Developmental Disabilities
EDP 5363	Teaching Associate Special Education
EDP 5379	Education of Students with Mod/Severe
EDU 5375	Mathematics for Learners with Exceptionalities
EDU 5371	Assessment of Students
EDU 5662	Internship SPED
EDU 5354	Curriculum Differentiation
EDU 5374	Literacy for Learners with Exceptionalities

M.A.T. Degree Plan for Twice Exceptionalities Certification

(All-Level Special Education and Gifted-Talented Supplemental certifications)

Required Courses for MAT and Certification Program.....36 sem. hrs.

EDP 5332	Human Growth and Development
EDP 5366	Psychology of Exceptional Children
EDU 5377	Applied Behavior Analysis
EDP 4350	Introduction to the Gifted Child
TED 4312	Methods of Teaching English as a Second Language or Elective
EDU 5350	Teaching Associate SPED with Gifted Education
EDU 5375	Mathematics for Learners with Exceptionalities
EDU 5371	Assessment of Students
EDU 5652	Internship SPED with Gifted Education
EDU 5354	Curriculum Differentiation
EDU 5374	Literacy for Learners with Exceptionalities

***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 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 All Level Special Education/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
 BSEd Elementary Education/Master of Arts in Teaching
 BSEd Elementary Education with Supplemental Gifted and Talented/Master of Arts in Teaching
 BSEd Environmental Science/Master of Arts in Teaching
 BSEd Mathematics/Master of Arts in Teaching
 BSEd Middle School Education/Master of Arts in Teaching
 BSEd Secondary Education/Master of Arts in Teaching

MINORS IN EDUCATION

Minor in Educational Psychology

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).

EDP Courses (EDP) (must take):

EDP 3324 (Learning & Development)
 EDP 3326 (The Developing Child)
 EDP 3361 (Development Disabilities)

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 & Development)
 CSS 4303 (Leadership & Communication)
 CSS 4311 (Conflict & Communication)
 CSS 4313 (Communication & the Family)

Management Department Courses (MGT) (May take any course of interest)

MGT 3305 (Organizational Behavior)
 MGT 4305 (Principled Leadership)
 MGT 4320 (Negotiation/Conflict Resolution)
 MGT 4336 (Human Resource Management)

Minor In Leadership Studies

Leadership Studies Core (9 hours in Educational Leadership)

LDS 1301 Introduction to Leadership Theory
 LDS 2301 Vocation Specific Leadership (linking theory to profession or discipline) or
 LDS 4398 Advanced Leadership Theory (capstone course).

Leadership Studies Elective Examples (9 hours from approved list of courses)

ANT 4311, AS 3301, AS 3302, AS 4301, AS 4302, BIO 4331, BIO 4333, CSS 3300, CSS 4303, CSS 4311, ENG 3375, ENV 4316, ENV 4307, ENV 4310, ENV 4332, GTX 4410, GTX 3350, HIS 3351, HIS 3371, HIS 4313, HIS 4375, HIS 4377, HIS 4378, HIS 3301, PPS 2301, PSC 3318, PSC 3314, PSC 4385, PSY 3322, PSY 3314, REL 3425, REL 4397, REL 4374, REL 3390, REL 3394, REL 4315, SOC 4395, SOC 3355, SOC 3322, SOC 3354, SOC 3330, SOC 3311, SOC 4366, SOC 4315, SOC 4353, SWO 4315, SWO 4322, SWO 3305, SWO 4393, SWO 4395, ENT 3301, ENT 4353, ENT 4380, BUS 3350, MGT 3305, MGT 4305, BUS 3303, MKT 4310, FCS 4357, FCS 4340, HED 4340, NUR 4353, NUR 4341, RLS 4396, LDS 3301, LDS 3302, LDS 3303, LDS 3304, LDS 3305, LDS 3306, LDS 3307, LDS 3308, LDS 3309, LDS 3310, LDS 3311, LDS 3V01, TED 3380, SIC 4V98

Minor in Informal Education

The minor in Informal Education, which includes a practicum experience, would provide 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 proposed minor will require a total of 18 semester hours, with 9 hours of Museum Studies courses, 6 hours of Education courses, and one 3-hour course that will be a collaborative/joint course offering that includes a practicum.

- MST 1300 Introduction to Museum Studies
- MST 2303 Museum Educational Programming
- MST (choice) Students select from other MST offerings
- EDP 3326 The Developing Child
- *TED 4360 Curriculum and Teaching in Informal Environments
- *TED/MST 4362 Capstone in Informal Education with Practicum

*pending approval

Secondary Education Minor

BA/BS Biology

SOPHOMORE-FALL or SPRING

- TED 3380 Social Issues
- TED 3180 Social Issues Lab

JUNIOR-FALL JUNIOR-SPRING

- TED 3340 Teaching Associate Secondary Part I
- TED 3641 Teaching Associate Secondary Part II
- TED 3387 Secondary Science Practicum I

SENIOR-FALL or SPRING

- TED 4640/4641 Internship Secondary (fall)
- TED 4642/4643 Internship Secondary (spring)
- TED 4325 Science Curriculum

TOTAL..... 31 hrs.

Secondary Education Minor

BA/BS History

SOPHOMORE-FALL or SPRING

- TED 3380 Social Issues
- TED 3180 Social Issues Lab

JUNIOR-FALL JUNIOR-SPRING

- TED 3340 Teaching Associate Secondary Part I
- TED 3641 Teaching Associate Secondary Part II
- TED 3385 Secondary Social Studies Practicum I

SENIOR-FALL or SPRING

- TED 4640/4641 Internship Secondary (fall)
- TED 4642/4643 Internship Secondary (spring)
- TED 4341 Social Studies Curriculum

TOTAL..... 31 hrs.

Secondary Science Education Concentration

Health Science Studies

SOPHOMORE-FALL or SPRING

- TED 3380 Social Issues
- TED 3180 Social Issues Lab

JUNIOR-FALL JUNIOR-SPRING

- TED 3340 Teaching Associate Secondary Part I

TED 3641	Teaching Associate Secondary Part II	
TED 3387	Secondary Science Practicum I	
SENIOR-FALL or SPRING		
TED 4640/4641	Internship Secondary (fall)	
TED 4642/4643	Internship Secondary (spring)	
TED 4325	Science Curriculum	
TOTAL		31 hrs.

Secondary Education Minor

BA/BS Mathematics

SOPHOMORE-FALL or SPRING		
TED 3380	Social Issues	
TED 3180	Social Issues Lab	
JUNIOR-FALL JUNIOR-SPRING		
TED 3340	Teaching Associate Secondary Part I	
TED 3641	Teaching Associate Secondary Part II	
TED 3383	Secondary Mathematics Practicum I	
SENIOR-FALL or SPRING		
TED 4640/4641	Internship Secondary or	
TED 4642/4643	Internship Secondary	
TED 4348	Secondary Mathematics Curriculum	
MTH 3340 may be able to replace CSI 1430. Students will need to petition through the Math Department		
TOTAL		31 hrs.

INTEGRATED STUDIES

Dr. Joel R. Porter, Director

- I. **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 Requirements2.0 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.
- II. **Basic Studies** **47-54 hrs.**
 - A. ENG 1302, 1304 or 3300, and 23XX 9 hrs.
 - B. Social Science; Any PSC (not PSC 1387), SOC, ANT, GEOG, ECO, PHI, HIS..... 6 hrs.
 - C. Language..... 3-8 hrs.
 - D. PSC 1387 3 hrs.
 - E..REL 1310 and 13506 hrs.
 - F. .Any MTH, STA or QBA3-4 hrs.
 - G. CSS 1301 or 1302 3 hrs.
 - H. Laboratory Science: Choose from BIO, CHE, ENV, GEO, PHY 8 hrs.
 - I. Fine Arts: art, music, theatre arts, journalism or film and digital media.....2-3 hrs.
 - J. Lifetime Fitness, including PUBH 1145 4 semesters.
 - K. Chapel: two semesters.....no credit
- III. **Major: excludes general education requirements** **50-52 hrs.**

Courses for each section must come from two or more schools, colleges, or departments; maximum 9 hours from any single prefix.

 - A. Communication..... 12 hrs.
 - B. Critical Thinking/Reasoning 12 hrs.
 - C. Civic Leadership 12 hrs.
 - D. Christian Perspective 12 hrs.

A complete list of courses for these four areas is available online or through an advisor.

- E. Professional Development Seminars 2-4 hrs.
PRD 2101, two hours per academic year preferred; includes CPD (PRD) work.
- IV. **Electives** **18-27 hrs.**
Any additional courses that are needed to reach 124 hours and/or 36 upper level hours.

**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 Engineering and Computer Science



SCHOOL OF ENGINEERING AND COMPUTER SCIENCE FACULTY and STAFF

Dennis L. O'Neal, Ph.D. 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

Erich J. Baker, Ph.D., Department Chair
 William A. Booth, Ph.D., Assistant Chair
 Eunjee Song, 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.
 Gregory J. Hamerly, Ph
 Shaun Hutton, M.Div., M.C.S.
 Peter M. Maurer, Ph.D.
 G. Michael Poor, Ph.D.
 William B. Poucher, Ph.D.
 Pablo Rivas, 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
 Ian A. Gravagne, 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
 B. Randall Jean, Ph.D., P.E.
 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.
 Keith E. Schubert, Ph.D.
 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
 Douglas Smith, Ph.D., P.E., Graduate Program
 Director
 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.
 William M. Jordan, Ph.D., P.E.
 Benjamin S. Kelley, Ph.D., P.E.
 Jill Klentzman, Ph.D.
 Yue (Stanley) Ling, Ph.D.
 Stephen T. McClain, Ph.D., P.E.
 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.
 Elon J. Terrell, Ph.D.
 Kenneth W. Van Treuren, D. Phil.
 Alexandre F.T. Yokochi, Ph.D.
 Sara Baker, Office Manager
 Jodi Branch, Graduate Program Coordinator
 James (Ashley) Orr, Manufacturing/Machinery
 Consultant
 Julie E. Williams, Administrative Associate

Administrative Offices

Office of the Dean	Cheryl Tucker, M.S.Ed., Assistant to the Dean
Marketing and Communications	
ECS Development	Jenna Hoff, Director
Financial Information	Mark McCreary, Business Officer
Teal Residential College	Sarah B. Miller, Program Director
Technology and Facilities	Patrick Hynan, Director
Electronics Systems	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., Director of Undergraduate Programs
Undergraduate Programs	Elaine Alsup, Office Manager
Undergraduate Programs	Ida Jamshidi, M.S.Ed., Director of Advising
Undergraduate Programs	Kelly Gould, M.A., Coordinator of New Student Recruitment
Undergraduate Programs	John Hewitt, M.Div., Academic Advisor
Undergraduate Programs	Sarah Mosley, Academic Advisor
Computer Science Graduate Program	Daniel Adams, M.S.Ed., Advising Program Coordinator

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 at any one course to reach a sufficient grade in order to fulfill a prerequisite or requirement for a degree, major, or minor. An earned grade or a “W” notation counts as an 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 identify class attendance requirements at the 75% level or above. They 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. It is further expected that when absence from class is required, whether due to a University-sponsored activity or in the event of serious illness, accident, or death in the family, students will make advanced or immediate contact with the faculty member to make arrangements to complete scheduled assignments and other 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. Scott Koziol, 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.

Biomedical Engineering Society, Dr. Jonathan Rylander, Advisor

The Baylor Chapter of the Biomedical Engineering Society was founded with the goal of linking Baylor students who are interested in applying engineering practices to the medical field with companies, universities, and organizations out there that can help them fulfill their dreams. We plan to create a web of connections here at Baylor linking several disciplines of Biomedical Engineering together in order to create professional opportunities for members of our organization. Beyond that, the students are building a community of biomedical engineers through which they can all grow together toward the goal of using technology to impact the medical field.

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

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. Yang Li, 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, Tanner Osborne, Advisor

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 commented 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 based 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.

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.

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.)

COMPUTER SCIENCE (B.S.C.S.) AND INFORMATICS (B.S.I.)

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.

BACHELOR OF SCIENCE IN 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

Minimum 124 semester hours including the following:

- I. Humanities. 27-30 hrs.
- A. ENG 1310 and PWR 3300 6 hrs.
- B. One from each group. 9 hrs.
 - 1. GTX 2301, 2302, 3343, 4341
 - 2. ENG 2301, 2304, 2306, 2310

3. PSC 1387 or an additional GTX course
- C. REL 1310 and 1350. 6 hrs.
- D. Foreign Language 3-6 hrs.
Second level proficiency (at least 1302 or 1412) must be achieved.
 1. Complete one course to reach second level proficiency
(1302, 1412, 2310, or 2320).
 2. Complete two courses to reach second level proficiency
(beginning with 1301 or 1401).
- E. CSS 1302. 3 hrs.
- II. Mathematics 9 hrs.
A. MTH 1321, 1322. 6 hrs.
B. STA 3381. 3 hrs.
- III. Other Requirements. 2 hrs.
A. Lifetime Fitness, two courses 2 hrs.
(Not required of students who have reached age 25 before matriculation)
B. Chapel - two semesters. no credit
- IV. Select one of the following three options:
 - Option A - Computer Science Major (Computer Science Concentration) 81-83 hrs.
 1. CSI 1430, 1440, 2334, 2350, 3334, 3335, 3336, 3344, 3372, 3439, 3471, 4321, 4330, 4337, 43C9 49 hrs.
 2. One of CSI 4301 or PHI 1310 1-3 hrs.
 3. CSI 3000 or 4000 level electives (see note) 6 hrs.
 4. A grade of "C" or better is required in all computer science hours counted toward major
 5. Sciences 14-16 hrs.
 - a. One group from the following natural or physical sciences:
 1. BIO 1305-1105 and 1306-1106.
 2. CHE 1301-1101 and 1302-1102.
 3. GEO 1405 and 1306-1106.
 4. PHY 1408 and 1409 or 1420 and 1430.
 - b. Six to eight additional hours of science from the courses above or from courses have one or more of the above courses as prerequisites.
 6. Contemporary Social Issues - two courses 6 hrs.
... Select 6 hours from the corresponding A&S Distribution List (HIS 1300 included)
 7. MTH 2311 or MTH 2321 3 hrs.
 - Option B - Computer Science Major (Software Engineering Concentration) . . . 83-85 hrs.
 1. CSI 1430, 1440, 2334, 2350, 3334, 3335, 3336, 3344, 3471, 3372, 3373, 3374, 3439, 4321, 4330, 4337, 43C9 55 hrs.
 2. One of CSI 4301 or PHI 1310 3 hrs.
 3. A grade of "C" or better is required in all computer science hours counted toward major.
 4. Sciences.. . . . 14-16 hrs.
 - a. One group from the following natural or physical sciences:
 1. BIO 1305-1105 and 1306-1106.
 2. CHE 1301-1101 and 1302-1102.
 3. GEO 1405 and 1306-1106.
 4. PHY 1408 and 1409 or 1420 and 1430.
 - b. 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.
 5. Technical elective 3 hrs.
One of the following:
STA - with STA 3381 as a prerequisite
MTH - 2321, 3312, 3370, or any 4000-level MTH course not required for Software Engineering track.
ELC 4330, 4353, or 4438.
 6. Contemporary Social Issues – one course.....3 hrs.
Select 3 hours from the corresponding A&S Distribution List (HIS 1300 included)

7. ECO 3308 3 hrs.
 8. MTH 2311 or MTH 2321 3 hrs.
 - Option C - Computer Science Major (Cybersecurity Concentration).83-85 sem. hrs.
 1. CSI 1430, 1440, 2334, 2350, 3334, 3335, 3336, 3344, 3471, 3372, 4321, 4323, 4325, 4330, 4337, 43C9. 51 hrs.
 2. One of CSI 4301 or PHI 1310.3 hrs.
 3. Three semesters of CSI 4111 3 hrs.
 4. A grade of "C" or better is required in all computer science hours counted toward . . . major.
 5. MTH 2311 and MTH 4312 6 hrs.
 6. PSC 4395. 3 hrs.
 7. Contemporary Social Issues – one course3 hrs.
Select 3 hours from the corresponding A&S Distribution List (HIS 1300 included)
 8. Sciences.14-16 hrs.
 - a. PHY 1420, 1430
 - b. 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.
 1. BIO 1305-1105 and 1306-1106
 2. CHE 1301-1101 and 1302-1102
 3. GEO 1405 and 1306-1106
 - V. Minor
 - A. Optional, may elect one or more minors. See specific requirements in departmental sections of this catalog.
 - B. No more than three hours from the major may be applied to the minor.
 - VI. Advanced work ("3000" or "4000" numbered courses) minimum36 sem. hrs.
- NOTE: The following courses are not applicable to the major in computer science or as degree electives without written permission from the Computer Science Department Chair: CSI 1336, 3303, 3305, 4320.**

BACHELOR OF SCIENCE IN INFORMATICS (B.S.I.)

B.S.I. DEGREE REQUIREMENTS (Bioinformatics Major)

Minimum 124 semester hours to include the following:

- I. Humanities and Social Science30-33 hrs.
 - A. ENG 1310 and PWR 3300. 6 hrs.
 - B. GTX 2301 and 2302. 6 hrs.
 - C. REL 1310 and 1350 6 hrs.
 - D. Foreign Language (one language through 1302 or 1412) 3-6 hrs.
 - E. History and/or social science 6 hrs.
* Courses from the following departments may be used to fulfill this requirement: anthropology, economics, history, philosophy, political science (except PSC 1387), psychology, sociology, and GEOG 1300.
 - F. ENG 2301 or PSC 1387. 3 hrs.
- II. Computer Science and Biology53 hrs.
 - A. CSI 1430, 1440, 2334, 2350, 3334, 3335, 3336, 3344, 3471, (3372 or 4337)33 hrs.
 - B. BIO 1305-1105, 1306-1106, 2306-2106, 4306-4106.16 hrs.
 - C. Four hours of Biology from the following courses: BIO 3330, 3322/3122, 4100, 4107, 4108, 4307, 4308, 4401, CHE 4341 4 hrs.
 - D. A grade of "C" or better is required in all computer science hours counted toward the . . . major.
- III. Bioinformatics12 hrs.
 - A. BINF 3350, 3360, 43C9. 9 hrs.
 - B. CSI elective (see note). 3 hrs.
 - C. A grade of "C" or better is required in all Bioinformatics hours counted toward the major.
- IV. Mathematics and Chemistry23 hrs.
 - A. MTH 1321 3 hrs.
 - B. One course from STA 2381 or 3381 3 hrs.
 - C. CHE 1301-1101, 1302-1102, 3238, 3331, 333217 hrs.
- V. Other Requirements 2 hrs.
 - A. Lifetime Fitness, two courses minimum 2 hrs.

- B. Chapel-two semesters no credit
- VI. The requirements for a minor and advanced work are the same as for the Bachelor of Science in Computer Science degree.

NOTE: *The following courses are not applicable to the major in bioinformatics or as degree electives without written permission from the Computer Science Department Chair: CSI 1336, 3303, 3305, 4320.*

B.S.I. DEGREE REQUIREMENTS (Data Science Major)

Minimum 124 semester hours to include the following:

- I. Humanities, Social Science, and Science 38-41 hrs.
 - A. Research Writing - one course 3 hrs.
Select 3 hours from the corresponding College of Arts & Sciences distribution list
 - B. Literature in Context - one course 3 hrs.
Select 3 hours from the corresponding College of Arts & Sciences distribution list
 - C. Communication & Media Literacy -- one course 3 hrs.
Select 3 hours from the corresponding College of Arts & Sciences distribution list
 - D. Contemporary Social Issues -- one course 3 hrs.
Select 3 hours from the corresponding College of Arts & Sciences distribution list
 - E. PSC 1387 3 hrs.
 - F. PHI 1310 3 hrs.
 - G. EGR 4301 3 hrs.
 - H. REL 1310 and 1350 6 hrs.
 - I. Foreign Language (one language through 1302 or equivalent) 3-6 hrs.
 - J. Lab Sciences 8 hrs.
Choose 8 hours of corresponding lecture/labs from the following sciences
 1. BIO 1305-1105 and 1306-1106
 2. CHE 1301-1101 and 1302-1102
 3. GEO 1405 and 1306-1106
 4. PHY 1408 and 1409 or 1420 and 1430
- II. Computer Science.....23 hrs.
 - A. CSI 1401, 1402, 2300, 2334, 2350, 3374, 4354.....23 hrs.
 - B. CSI 1095.....0 hrs.
 - C. A grade of "C" or better is required in all computer science hours counted toward major
- III. Data Science.....24 hrs.
 - A. DSC 3310, 3334, 3335, 3344, 4310, 4320.....18 hrs.
 - B. DSC 43C8, 43C9.....6 hrs.
 - C. A grade of "C" or better is required in all Data Science hours counted toward major.
- IV. Mathematics and Statistics.....15 hrs.
 - A. MTH 1321, 1322, 2311.....9 hrs.
 - B. STA 3381, 4373.....6 hrs.
- V. Other Requirements.....19-22 hrs.
 - A. Lifetime Fitness.....1 hr.
 - B. Chapel-two semesters.....no credit
 - C. Required Minor.....18-21 hrs.
Minors in Mathematics and Computer Science will not apply.
- VI. Advanced work ("3000" or "4000" numbered courses) minimum.....36 hrs.
- VII. The requirements for a minor and advanced work are the same as for the Bachelor of Science in Computer Science degree.

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), 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, 3344 and MTH 1322). 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, "Independent Readings I," and 3102, "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 and CSF 4302, "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*:

- REL 1310 and 1350
- Two semesters of Chapel
- MTH 1321, 1322, 2311
- 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.
- STA 3381
- Computer Science courses:
 - CSI 1430, 1440, 2334, 2350, 3334, 3344, 3471
 - 5 additional upper-level CSI courses
- CSF 3101, "Independent Readings I," and 3102, "Independent Readings II," junior independent

readings courses

- CSF 3001, "Independent Reading Survey," an exit survey to summarize a student's independent readings, and ascertain readiness for the senior thesis
- CSF 4V01, "Research/Fellows Thesis I," and 4302, "Fellows Thesis" (presentation in the annual ECS Scholar's Day is mandatory for the fulfillment of CSF 4302)
- CSI 4001, "Senior Exit Survey," the exit survey for all Computer Science graduates
- CSI 4010, "Undergrad Research Seminar"
- 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.

*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.

BACHELOR OF SCIENCE IN COMPUTER SCIENCE Pre-Law

For most law schools, acceptance criteria for admission to law school places primary emphasis on the cumulative undergraduate grade point average and the Law School Admission Test (LSAT) score of prospective students. While there are no required courses for admission to most law schools, an undergraduate program that includes critical thinking, reading, writing, and problem solving skills is recommended. BSCS students pursuing law school should consider taking PHI 1306, "Logic," as one of their history/social science electives. For those students interested in patent law in particular, the American Bar Association recommends an undergraduate major of engineering, physics, or the natural sciences; aptitude for science and technology; and organization and communication skills.

REQUIREMENTS FOR A MINOR IN COMPUTER SCIENCE

Twenty-three semester hours in computer science including the following:

- A. CSI 1430, 1440, 2350, 3334, and 3344.
- B. Six semester hours of "3000" - "4000" level computer science elective that apply toward the major.
- C. A grade of "C" or better in computer science courses used for the minor.

REQUIREMENTS FOR A MINOR IN DATA SCIENCE

Twenty semesters hours in computer science and data science including the following:

- A. CSI 1401, 1402, and 2300.
- B. Nine semester hours from the following "3000" - "4000" level courses: DSC 3310, 3334, 3335, 3344, 4310, and 4320.
- C. A grade of "C" or better in all courses used for the minor.

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 section of this catalog for the required courses of study.

ENGINEERING PROGRAMS

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. 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

All entering students who wish to study engineering will be required to register in the non-degree granting Pre-Engineering major. Upon fulfilling the requirements shown below, students may declare one of the degree-granting engineering majors (Mechanical Engineering, Electrical and Computer Engineering, or Engineering).

All incoming students must have a combined (math and critical reading) SAT score greater than or equal to 1240 or a composite ACT score of greater than or equal to 27 to be admitted into Pre-Engineering. Students applying to Baylor without test scores will be holistically reviewed. A student's high school transcript must demonstrate a strong record of academic success. Baylor recommends that students complete 4-year units of math and 4-year units of science by the time they graduate from high school.

To move into the degree-granting majors, Pre-Engineering students must complete EGR 1301 and EGR 1302 with a grade of "B" or better and complete their first-year mathematics courses (including two of the following courses: MTH 1320, MTH 1321, MTH 1322, or MTH 2321) 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 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 3.0 cumulative GPA in order to apply. Applications will be reviewed by the Associate Dean for Undergraduate Programs. Proficiency in math and science courses will be evaluated, as well as SAT/ACT test scores when applicable. 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 of 3.25 transfer GPA. They are strongly encouraged to take the appropriate mathematics courses (MTH 1320, MTH 1321, or MTH 1322) and engineering courses (EGR 1301 and EGR 1302) at Baylor in order to be prepared for future engineering coursework. 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.

REQUIREMENTS FOR MINOR IN ENGINEERING

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.

A minor in engineering requires twenty-one semester hours in engineering with:

1. EGR 1301 and EGR 1302
2. At least nine (9) semester hours of “3000” or “4000” level engineering electives.
3. A grade of “C” or better in all engineering courses used for the minor.

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

- o ANT 1305 Introduction to Anthropology
- o ANT 1325 Introduction to Global Health
- o ANT 2305 Cultural Anthropology in the Global Context
- o ANT 3301 Science, Society, and Culture
- o ANT 3340 Indigenous Cultures of Modern Mexico and Central America
- o ANT 3350 Native North Americans
- o ANT/AST 4310 Societies & Cultures of East Asia
- o ANT/GEOG 1310 Cultural Geography
- o ANT/GEOG 1310 Cultural Geography
- o ANT/SOC 4320 Culture, Personality and Identity
- o ARB 2320, Arabic Popular Culture
- o AST 2380, The Peoples and Culture of Asia
- o AST/HIS 3305 Traditional China
- o AST/HIS 3307 Japan
- o AST 4388, Contemporary Chinese Society and Culture
- o CHI 2320, Communication in Intermediate Chinese
- o CHI 3305, Chinese for Business I
- o CHI 3306, Chinese for Business II
- o CHI 3310, Chinese Language and Culture Through Film
- o CLA 3301, Roman Civilization
- o CLA 3302, Greek Civilization
- o FAS 1311, Modern Languages, Cultures, and Global Communities
- o FRE 2320, Passport to the French-Speaking World
- o FRE 2321, French for Health Professions
- o FRE 3301, Advanced French Grammar

- o FRE 3302, Conversational French
- o FRE 3308, French and Francophone Pop Culture
- o FRE 3310, Introduction to French Literature
- o FRE 3330, Introduction to French Cinema
- o FRE/FDM 4330 Survey of French Cinema
- o GER 2320, German for Modern Life
- o GER 3301, German Conversation and Composition
- o GER 3341, Introduction to German Culture: Germany in the Making
- o GER 3345, Introduction to German Film: German Culture from Berlin to Hollywood
- o GKC 2320, Intermediate Greek Poetry
- o HEB 2320, Intermediate Hebrew II
- o ITA 2320, Pathways in Italian Culture
- o ITA 3301, Advanced Italian Grammar
- o ITA 3302, Italian Conversation, Reading, and Composition
- o ITA 3310, Introduction to Italian Literature
- o ITA 3330, Italian Through Film
- o JPN 2320, Explore Japan
- o JPN 3301, Advanced Japanese I
- o JPN 3302, Japanese Culture through Reading
- o JPN 3305, Japanese for Business
- o JPN 3306, Japanese Cinema
- o JPN/THEA 3352 Japanese Theatre and Culture
- o KOR 2320, Intermediate Korean II
- o LAS 1301 Latin American Nations and People
- o LAS 2301, An Introduction to Latin American Studies
- o LAT 2320, Intermediate Latin Poetry
- o LING/ENG 3319 Language and Culture
- o MES 2301, Introduction to the Middle East
- o MUS 3321 Music in World Cultures
- o MUS 4361 Traditional Music and Culture in Africa
- o MUS 4362/AST 4362 Traditional Music and Culture in Asia
- o MUS 4364/LAS 4364 Traditional Music and Culture in Latin America
- o PHI 4331 Latin American Philosophy
- o PHI 4341 Contemporary Continental Philosophy
- o POR 2320, Exploring the Portuguese-Speaking World
- o PSC 3315 Fundamentals of International Politics
- o PSC 4303 International Human Rights
- o PSC 4304 Governments and Politics of Latin America
- o PSC 4305 International Law
- o PSC 4314 Government and Politics of Mexico
- o PSC 4325/AST 4325 Asian International Relations
- o PSC 4334 Governments and Politics of the Middle East
- o PSC 4344 Government and Politics of Russia
- o PSC 4365 International Political Economics
- o PSC/AST 3314 Politics and Problems of Developing Countries
- o PSC/AST 4364 The Governments and Politics of Asia-Pacific Region
- o PSC/AST 4374 Governments and Politics of East Asia
- o REL 4343 Topics in Islam
- o REL 4347 Topics in African Religions
- o REL 4348 Modern Judaism
- o REL/AST 3345 World Religions
- o REL/AST 4346 Topics in Asian Religion
- o RUS 2320, Russian Culture in Context
- o RUS 3301, Russian Conversation and Composition
- o SEES/HIS 2380 Intro to Slavic and East European Studies I
- o SEES/HIS 2381 Intro to Slavic and East European Studies II
- o SOC 3318 Mexican-Americans in U.S. Society

- o SPA 2304, Spanish for Heritage Speakers
- o SPA 2320, Exploring the Spanish-Speaking World
- o SPA 2321, Intermediate Spanish for Medical Professions
- o SPA 2322, Spanish for Christian Ministry
- o SPA 2324, Spanish for Business
- o SPA 3302, Conversation and Composition
- o SPA 3309, Introduction to Spanish Linguistics
- o SWA 2320, Intermediate Swahili II
- o THEA 3352/JPN 3352, Japanese Theatre and Culture

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

Minimum 128 hours including the following:

- 1. Humanities and Social Sciences 18 sem. hrs.
 - a. Literature6 hrs.
 - (1) GTX 2301
 - (2) One additional course from GTX 2302, ENG 2301, ENG 2304, ENG 2306, ENG 2310
 - b. REL 1310 and 13506 hrs.
 - c. Foreign Language and Culture – one course3 hrs.
Select 3 hours from the Foreign Language and Culture Distribution List for Engineering Programs.
 - d. ENG 2301 or PSC 13873 hrs.
 - e. Chapel–two semesters no credit
- 2. Mathematics and Basic Sciences32 hrs.
 - a. CHE 13013 hrs.
 - b. MTH 1321, 1322, 2311, 2321, 3325, STA 338118 hrs.
 - c. PHY 1420 and 14308 hrs.
 - d. Mathematics elective – One course from MTH 3324, 3326, 3370, 4322, 4324, 4329; STA 4374; ME 43273 hrs.
- 3. Other requirements.....16 hrs.
 - a. Writing/Communication – ENG 1310 and PWR 33006 hrs.
 - b. Engineering Economics – ECO 33083 hrs.
 - c. Ethics Elective – EGR 3305 or EGR 3315.....3 hrs.
 - d. Lifetime Fitness – three courses3 hrs.
 - e. New Student Experience - EGR 1101 1 hr.
- 4. Electrical and Computer Engineering Major62 hrs.
 - a. EGR 1301, 1302, CSI 1430, ELC 2337, ELC 2137, ELC 2330, ELC 213018 hrs.
 - b. ELC 3114, ELC 3314, ELC 3335, ELC 3336, ELC 3337, ELC 3338, ELC 4332, ELC 4351, ELC 4438, EGR 3380, and EGR 439032 hrs.
 - c. Four courses from EGR 3V95, EGR 4375; ELC 4311, ELC 4318, ELC 4320, ELC 4321, ELC 4322, ELC 4323, ELC 4324, ELC 4325, ELC 4329, ELC 4330, ELC 4331, ELC 4340, ELC 4345, ELC 4350, ELC 4353, ELC 4357, ELC 4366, ELC 4367, ELC 4372, ELC 4377, ELC 4378, ELC 4381, ELC 4383, ELC 4384, ELC 4396, ELC 4V9712 hrs.
 - d. A grade of “C” or better in all of the Electrical and Computer Engineering hours counted towards major.

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

Minimum 128 hours including the following:

1. Humanities and Social Sciences 18 sem. hrs.
 - a. Literature 6 hrs.
 - (1) GTX 2301
 - (2) One additional course from GTX 2302, ENG 2301, ENG 2304, ENG 2306, ENG 2310
 - b. REL 1310 and 1350 6 hrs.
 - c. Foreign Language and Culture – one course 3 hrs.
Select 3 hours from the Foreign Language and Culture Distribution List for Engineering Programs.
 - d. ENG 2301 or PSC 1387 3 hrs.
 - e. Chapel—two semesters no credit
2. Mathematics and Basic Sciences 29 hrs.
 - a. CHE 1301 3 hrs.
 - b. MTH 1321, 1322, 2311, 2321, 3325, STA 3381 18 hrs.
 - c. PHY 1420 and 1430 8 hrs.
3. Other requirements 16 hrs.
 - a. Writing/Communication – ENG 1310 and PWR 3300 6 hrs.
 - b. Engineering Economics – ECO 3308 3 hrs.
 - c. Ethics Elective – EGR 3305 or EGR 3315 3 hrs.
 - d. Lifetime Fitness – three courses 3 hrs.
 - e. New Student Experience - EGR 1101 1 hr.
4. Mechanical Engineering Major 65 hrs.
 - a. EGR 1301, 1302, ELC 2320, EGR 3380, ELC 4335 and EGR 4390 18 hrs.
 - b. ME 2320, ME 2321, ME 2345, ME 3122, ME 3320, ME 3321, ME 3322, ME 3323, ME 3420, ME 3345, ME 4325, ME 4327, ME 4345 38 hrs.
 - c. Three courses from BME 4376, EGR 3V95, EGR 4375, BME 4370, BME 4374, ME 4305, ME 4320, ME 4322, ME 4323, ME 4324, ME 4305, ME 4330, ME 4336, ME 4337, ME 4339, ME 4344, ME 4346, ME 4347, ME 4349, ME 4356, ME 4357, ME 4360, ME 4377, ME 4382, ME 4384, ME 4385, ME 4386, ME 4388, ME 4396, ME 4V97 9 hrs.
- d. A grade of “C” or better in all of the Mechanical Engineering hours counted towards major.

GENERAL 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

Minimum 132 hours including the following:

1. Humanities and Social Sciences 18 sem. hrs.

- a. Literature6 hrs.
 - (1) GTX 2301
 - (2) One additional course from GTX 2302, ENG 2301, ENG 2304, ENG 2306, ENG 2310
 - b. REL 1310 and 13506 hrs.
 - c. Foreign Language and Culture – one course3 hrs.
Select 3 hours from the Foreign Language and Culture Distribution List for Engineering Programs.
 - d. ENG 2301 or PSC 13873 hrs.
 - e. Chapel—two semesters no credit
 - 2. Mathematics and Basic Sciences32 hrs.
 - a. CHE 13013 hrs.
 - b. MTH 1321, 1322, 2311, 2321, 3325, STA 338118 hrs.
 - c. One additional “3000” or “4000” level approved math or science class3 hrs.
 - d. PHY 1420 and 14308 hrs.
 - 3. Other requirements16 hrs.
 - a. Writing/Communication – ENG 1310 and PWR 33006 hrs.
 - b. Engineering Economics – ECO 33083 hrs.
 - c. Ethics – EGR 33053 hrs.
 - d. Lifetime Fitness – three courses3 hrs.
 - e. New Student Experience - EGR 11011 hr.
 - 4. Engineering Major48 hrs.
 - a. EGR 1301, 1302, 3380, and 4390, ME 2345, ELC 2330 and ELC 213019 hrs.
 - b. ELC 3335, ME 2320, 2321, and 342013 hrs.
 - c. ELC 2337/2137 or CSI 1430 or CSI 14014 hrs.
 - d. Approved Engineering electives12-13 hrs.
 - e. A grade of “C” or better in all of the Engineering hours counted towards the major.
 - 5. Concentration minimum 18 hrs.
- Complete one of the following:
- a. 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.
 - b. 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.

Robbins College of Health and Human Sciences



ROBBINS COLLEGE OF HEALTH AND HUMAN SCIENCES FACULTY

Rodney G. Bowden, Ph.D.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 Umstatted-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.
 Paul T. Fillmore, Ph.D.
 J. David Garrett, Ph.D.
 Venessa Grandjean, SLP.D.
 Jeremy Hathway, M.S.
 Alison Hessling, Ph.D.
 Lewis Lummer, Ed.D.
 Steven Moates, SLP.D.
 Kristen Muller, Ph.D.
 Jungjun Park, Ph.D.
 Jana Parker, M.S.
 Brittany Perrine, Ph.D.
 Donna C. Powell, M.S.
 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.
 Andrea J. Day, M.F.A.
 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.

Joyce Nuner, 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., Interim Chair
 Tricia D. Blalock, PT, DPT, MPH, CLT
 Brent Dragoo, 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.
 Jaeho Shim, 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., M.P.H., MBA
 Rodney G. Bowden, Ph.D.
 Ebum O. Ebumlomo, Ph.D., M.P.H.
 Beth A. Lanning, Ph.D.
 Emeka Okafor, Ph.D., M.P.H.
 Jasmine Opusunju, Dr.PH., MSED
 Jason Paltzer, Ph.D., M.P.H.
 Margo Shanks, M.P.H.
 Emily R. Smith, Ph.D., MSPH
 Renee Umstatted-Meyer, Ph.D.
 Liang Wang, M.D., Dr. PH., M.P.H.
 Kelly R. Ylitalo, Ph.D.

GENERAL INFORMATION

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 Scott and Laura Morris Scholarship
The Amy Henderson Firth Scholarship
The Don and Faith Martin Scholarship
The CSD Alumni and Friends Scholarship
The Speech Pathology/Audiology Scholarship
The Hallie Mae Holman Scholarship in Speech Pathology
The Rhonda S. Reynolds Scholarship Fund
The Allan Richards Memorial 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

HONOR SOCIETIES**Kappa Omicron Nu**

Kappa Omicron Nu is a national honor society in the field of family and consumer 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 3.2 GPA and a 3.0 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.

Baylor Student Nutrition Association (BSNA)

The Baylor Student 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.

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 Concentration
 Communication Sciences and Disorders - Deaf Education Concentration
 Exercise Physiology
 General 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

II. MASTER OF PUBLIC HEALTH

Community Health
 Epidemiology
 Environmental Health Science

III. 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. PSC 1387: If both PSC 1305 and 1306 are transferred from another institution prior to admission to Baylor University, those courses may be substituted for PSC 1387 if the major is not Political Science. No course may be transferred post-matriculation that will substitute for PSC 1387.
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; veterans (one semester hour per 135 days active duty); students in Aerospace Studies (one hour per semester selected from AS 1111, 1112, 2111, 2112; laboratory required); students in Military Science (one hour per semester selected from MILS 1111, 1112, 2111, 2112; 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 may substitute for one semester of LF on the B.S. degree. One hour of PUBH 1145 may substitute for one semester of LF, except for students who have completed BIC 1212.
 - 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.
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.
 - 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.
12. Secondary Major:
 - a. Optional; may elect one or more secondary majors. Specific requirements in departmental sections of this catalog.
13. 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.
14. 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.
15. 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

- I. Minimum requirement.....124 sem. hrs.
- II. Residence requirement – minimum.....60 hrs.
- III. Grade point average – minimum of 2.00 (“C”) overall and in the major for work done at Baylor.
- IV. Basic requirements45 to 52 hrs.
 - A. Chapel—two semesters.....2 semesters
 - B. English—ENG 2310 (American Literary Cultures)3 hours
 - C. History—HIS 1300 (The United States in Global Perspective)3 hours
 - D. Political Science—PSC 1387 (The U.S. Constitution, Its Interpretation, and the American Political Experience)3 hours
 - E. Religion—REL 1310 (The Christian Scriptures)3 hours
 - F. Religion—REL 1350 (The Christian Heritage)3 hours
 - G. Communication and Media Literacy—one course.....3 hours
Select 3 hours from the Communication and Media Literacy distribution list.
 - H. Contemporary Social Issues—one course3 hours
Select 3 hours from the Contemporary and Social Issues distribution list.
 - J. Fine Arts and Performing Arts—one course2-3 hours
Select 2-3 hours from the Fine Arts and Performing Arts distribution list.
 - K. Foreign Languages and Cultures—3-8 hours
 - L. Formal Reasoning—one course3 hours
Select 3 hours from the Formal Reasoning distribution list.
 - M. Research, Writing, & Literature —two courses.....6 hours
Select 6 hours from the Research, Writing, and Literature distribution list.
 - N. Scientific Method I (with Laboratory Experience)
one 4-hour course with included lab or lecture and matching lab4 hours
Select 4 hours from the Scientific Method I (with Laboratory Experience distribution list.
 - O. Scientific Method II—Additional Science or Grand Challenges of Science3-4 hours
Select 3-4 hours from the Scientific Method II—Grand Challenges of Science Course distribution list, OR another 4-hr course from Scientific Method I
 - P. Lifetime Fitness3 hours
- V. 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.
- VI. Minor – Optional; may elect one or more minors. Specific requirements in departmental sections of this catalog.
- VII. Advanced work (“3000” or “4000” numbered courses) minimum36 hrs.
- VIII. 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.
- IX. 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—one course.

Select 3 hours from the following choices:

- CFS 3354, Family Life Education & Ethics
- CSI 1337, Introduction to Video Game Design
- CSS 1301, Fundamentals of Public Communication
- CSS 1302, Speech for Business and Professional Students
- CSS 1304, Argumentation, Discussion, and Debate
- FDM 1303/JOU 1303, Introduction to Mass Communication
- FDM 4340, Media and Society
- JOU 3387, International Communication
- JOU 4305, Gender, Race, & Media
- JOU 4380, Law and Ethics of Journalism
- PWR 2314, Introduction to Professional Writing and Rhetoric

Contemporary Social Issues Distribution List—*one course.*

Select 3 hours from the following choices:

ANT 1306, Cultural Anthropology in Global Context
 ANT 1325, Introduction to Global Health
 ANT 3320/ENV 3320, Environment and Human Behavior
 CFS 4356, The Family: A Global Perspective
 ECO 1305, Issues in Economics for Non-Business Majors
 ENV 2376, Environment and Society
 ENV 4307/PSC 4307 Environmental Law
 ENV 4310/ANT 4311, World Food Problems
 HP 3368, Adapted Physical Education
 HP 4396, Religion & Sport
 LING 1305, Language in Society
 PHI 1308, Contemporary Moral Problems
 PSC 3300/ENV 3300, The Environment and Political Processes
 PSY 1305, Psychological Science: Understanding Human Behavior
 PSY 3321, Abnormal Psychology
 PSY 3341, A Survey of Human Development (cross-listed as MH 3341)
 REL 3390, Christian Ethics
 REL 3394, War and Peace in the Christian Tradition
 REL 3397, Gender, Feminism and Theology
 REL 4349, The World's Religions and Violence
 REL 4393/ENV 4393, Environmental Ethics
 RLS 2388, Leisure and Lifestyle Well-Being
 RLS 4331, Meanings, Culture & Philosophy of American Landscapes
 SOC 1305, Introduction to Sociology
 SOC 3311, The Sociology of Race and Ethnicity
 SWO 2320, Human Diversity and Leadership
 WGS 2300, Women's and Gender Studies: An Introduction

Fine Arts and Performing Arts Distribution List—*one course.*

Select 2-3 hours from the following choices:

ADM 1241, Apparel Aesthetics
 ARTH 1300, Introduction to Art (for non-art majors only)
 ART 1310, Studio Course (Drawing I)
 ART 1314, Studio Course—Design 1A (Two-Dimensional)
 ARTH 2302, Survey of Western Art I
 ARTH 2303, Survey of Western Art II
 CLA 3315, Ancient Drama in Performance
 ENG 3304, Creative Writing: Poetry
 ENG 3306, Creative Writing: Prose
 HSD 1231, Design and Creative Technologies
 FDM 1309, Introduction to Film
 ID 3313, History of Interiors I
 ID 4313, History of Interiors II
 MUS 1321, Engaging with Music
 MUS 3321, Music in World Cultures
 MUS 3322, Popular Musics
 MUS 3323, History of Jazz
 MUS 4364/LAS 4364, Traditional Music and Culture in Latin America
 THEA 1301, Acting 1: Realism
 THEA 1306, Introduction to Theatre

Foreign Language and Culture Distribution List—*see requirement for more information.*

ADM 3365, Global Dress and Culture
 ADM 3396, International Fashion Forecasting
 ARB 2320, Arabic Popular Culture
 AST 2380, The Peoples and Culture of Asia
 AST 4388, Contemporary Chinese Society and Culture
 CHI 2320, Communication in Intermediate Chinese
 CHI 3305, Chinese for Business I

CHI 3306, Chinese for Business II
CHI 3310, Chinese Language and Culture Through Films
Classical Languages* 1301 (* includes: GKC, HEB, LAT)
Classical Languages* 1302 (* includes: GKC, HEB, LAT)
Classical Languages* 2310 (* includes: GKC, HEB, LAT)
CLA 3301, Roman History and Civilization
CLA 3302, Greek History and Civilization
CLA 3303, Hellenistic History and Civilization
CSD 1405, American Sign Language I
CSD 1406, American Sign Language II
CSD 2301, American Sign Language III
CSD 2302, American Sign Language IV
CSD 3312, Deaf Culture
FAS 1311, Modern Languages, Cultures, and Global Communities
FRE 1412, Accelerated Elementary French
FRE 2320, Passport to the French-Speaking World
FRE 2321, French for Health Professions
FRE 3301, Advanced French Grammar
FRE 3302, Conversational French
FRE 3308, French and Francophone Pop Culture
FRE 3310, Introduction to French Literature
FRE 3330, Introduction to French Cinema
GER 2320, German for Modern Life
GER 3301, German Conversation and Composition
GER 3341, Introduction to German Culture: Germany in the Making
GER 3345, Introduction to German Film: German Culture from Berlin to Hollywood
GKC 2320, Intermediate Greek Poetry
HEB 2320, Intermediate Hebrew II
ITA 2320, Pathways in Italian Culture
ITA 3301, Advanced Italian Grammar
ITA 3302, Italian Conversation, Reading, and Composition
ITA 3310, Introduction to Italian Literature
ITA 3330, Italian Through Film
JPN 2320, Explore Japan
JPN 3301, Advanced Japanese I
JPN 3302, Japanese Culture Through Reading
JPN 3305, Japanese for Business
JPN 3306, Japanese Cinema
KOR 2320, Intermediate Korean II
LAS 2301, An Introduction to Latin American Studies
LAT 2320, Intermediate Latin Poetry
MES 2301, Introduction to the Middle East
Modern Foreign Languages* 1301 (* includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, ...
POR, RUS, SPA, SWA)
Modern Foreign Languages* 1302 (* includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, ...
POR, RUS, SPA, SWA)
Modern Foreign Languages* 1412 (* includes: GER, SPA)
Modern Foreign Languages* 2412 (* includes: GER, SPA)
Modern Foreign Languages* 2310 (* includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, ...
POR, RUS, SPA, SWA)
NUTR 4352, World Nutrition
POR 2320, Exploring the Portuguese-Speaking World
PUBH 4340, Global Health
RLS 4331, Meanings, Culture, and Philosophy of American Landscapes
RUS 2320, Russian Culture in Context
RUS 3301, Russian Conversation and Composition
SPA 1304, Elementary Spanish for Heritage Speakers
SPA 2304, Intermediate Spanish for Heritage Speakers
SPA 2320, Exploring the Spanish-Speaking World
SPA 2321, Advanced Spanish for Health Professions
SPA 2322, Spanish for Christian Ministry

SPA 2324, Spanish for Business
 SPA 3302, Conversation and Composition
 SPA 3309, Introduction to Spanish Linguistics
 SWA 2320, Intermediate Swahili II
 THEA 3352/JPN 3352, Japanese Theatre and Culture

Formal Reasoning Distribution List —*one course.*

Select 3 hours from the following choices:
 MTH 1301, Ideas in Mathematics
 MTH 1320, Pre-calculus Mathematics
 MTH 1321, Calculus I
 PHI 1306, Logic
 SOC 3402, Social Statistics
 STA 1380, Elementary Statistics

Research, Writing, & Literature Distribution List —*two courses.*

Literature in Context Distribution List

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

Research Writing Distribution List

CLA 1304, From Ancient Rhetoric to Modern Research Writing
 ENG 1310, Writing and Academic Inquiry Seminars
 ENV 43C2, Environmental Capstone
 HIS 2395, History Workshop
 PHI 1301, Introductory Topics in Philosophy
 PHI 2305, Philosophy and Religion
 PSC 3301, Scope and Methods of Political Science
 PWR 3300, Technical Writing
 PWR 3318, Professional and Workplace Writing
 REL 3305, Interpreting the Old Testament

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*

Select 4 hours from the following choices:

ANT 1404, Introduction to Human Evolution
 ANT 1407, Introduction to Archaeology
 BIO 1305 & BIO 1105, Modern Concepts of Bioscience & Lab
 BIO 1306 & BIO 1106, Modern Concepts of Bioscience, continued, & Lab
 BIO 1401, Current Issues in Human Biology
 BIO 1405, Investigations of Modern Biology Concepts I
 BIO 1406, Investigations of Modern Biology Concepts II
 CHE 1300 & 1100, Introductory Chemistry
 CHE 1301 & 1101, Basics Principles of Modern Chemistry I
 CHE 1302 & 1102, Basic Principles of Modern Chemistry II
 CHE 1405, Chemistry & Society
 ENV1301 & ENV 1101, Exploring Environmental Issues & Lab
 ENV 1303 & ENV 1103, Wildlife Ecology & Lab
 GEO 1401, Earthquakes and Other Natural Disasters
 GEO 1402, World Oceans

GEO 1405, The Dynamic Earth
 GEO 1410, Gems and Minerals
 HP 1420, Human Anatomy
 HP 2420, Exercise Physiology
 HP 4450, Exercise Testing and Interpretation I
 HP 4471, Exercise Testing and Interpretation II
 NSC 1306 & NSC 1106, Introduction to Neuroscience & Lab
 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

Scientific Method II: Grand Challenges of Science Distribution List or an additional course from the Scientific Method I—Course with Laboratory Experience Distribution List. —one 3 to 4-hour course.

ANT 1307 The Evolution of Human Societies: An Interdisciplinary Perspective
 BIO 1303 Human Ecology: Our Place in Nature
 GEO 1306, The Earth Through Time
 GEO 1307, Evolution and Extinction
 GEO 1309, Origins of Habitable Worlds
 HP 2306, Anatomical Kinesiology
 HP 2307, Biomechanics
 HP 4368, Motor Learning and Development
 HP 4369, Sports Psychology
 NUTR 2351, Nutrition
 NUTR 3314, Consumer Nutrition
 PHY 3305, History of Invention and Technology
 PSY 1305, Psychological Science: Understanding Human Behavior
 RLS 4392, Professional Issues and Practices in Leisure Services
 STA/CSI 2300, Introduction to Data Science

-Or-

One additional course from item O: Scientific Method I: Course with Laboratory Experience Distribution List

Lifetime Fitness Distribution List—three courses

Select 3 hours from the following choices:

Any LF-prefix course
 PUBH 1145*
 PPS 1100*

*Students may choose either PUBH 1145 or PPS 1100 to replace one of the 3 required LF courses. Two hours of the Lifetime Fitness requirement must be met by activity LF courses.

BACHELOR OF SCIENCE IN PUBLIC HEALTH (BSPH)

Mrs. Margo Shanks, Director

B.S.P.H. Degree

- I. Minimum requirement 124 sem. hrs.
- II. Residence requirement – minimum 60 hrs.
- III. Admission and Graduation Requirements– minimum overall GPA of 2.75.
- IV. No course may be taken pass-fail
- V. Basic requirements..... 58 to 65 hrs.
 - A. Chapel—two semesters..... 2 semesters
 - B. English—ENG 2310, PWR 3300, & PWR 3318..... 9 hours
 - C. History—HIS 1300 3 hours

D. Political Science—PSC 1387	3 hours
E. Religion—REL 1310	3 hours
F. Religion—REL 1350	3 hours
G. CSS 1301 or 1302	3 hours
H. Contemporary Social Issues.....	9 hours
1. SOC 1305 and one course from ANT 1305, SOC 3355, 4320, 4309, or 4325	
2. PSY 1305	
I. Fine Arts and Performing Arts—one course	2-3 hours
J. Foreign Languages and Cultures	3-8 hours
<i>Note: Second semester proficiency must be achieved.</i>	
K. CSI 1430, 3303, or BUS 1305	3 hours
L. Mathematics.....	6-7 hours
1. 3-4 hours chosen from PSY 2402, STA 1380, 2381, or SOC 3402	
2. 3 hrs “1000+” Math Elective (MTH 1301 excluded)	
M. Laboratory Science	8 hours
1. HP 1420 Human Anatomy	
2. BIO 1302/1102 or BIO 4401	
N. Lifetime Fitness	3 hours
1. LF 1134 Fitness Theory and Practice	
2. Two Lifetime Fitness Electives	
VI. Major Requirements	46 hours
A. Public Health Required Courses	28 hours
PUBH 1145, 2330, 2331, 3331, 3350, 3351, 4331, 4333, 4340, 4355	
B. Public Health Restricted Electives.....	12 hours
Chosen from PUBH 2313, 3317, 3320, 3325, 4320, 4321, 4327, 4341, NUTR 3314	
C. Professional Field Experiences (Allowed only after completing PUBH required courses.....	6 hours
PUBH 4V80	
VII. Restricted Electives.....	6 hours
Chosen from ANT 4360, BUS 3303, BIO 3330, ENV 2376, 4310, MGT 4353, MKT 3301, 3340, PSC 4330, 4352, 4303, PSY 3310, 4355, 3321, 3341, MH 4300, 4382	
VIII. Supporting Areas, as needed to complete 124 hours	7-14 hours
Recommendations: RLS 4396, MGT 3301, 3340, PSY 4312, SWO 3313 or 3382, SOC 3322 or 4381	

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.

ACADEMIC DEPARTMENTS

DEPARTMENT OF COMMUNICATION SCIENCES AND DISORDERS

Bachelor of Science in CSD

Requirements for a Major in Communication Sciences and Disorders (Speech Language Pathology and Audiology Concentration)

Dr. Michaela Ritter, Program Director

I. Minimum requirement.....	124 sem. hrs.
II. Residence requirement.....	60 hrs.
III. Grade point average – minimum of 2.00 (“C”) overall and 3.0 in the major for work completed at Baylor.	
IV. Basic requirements.....	48 to 52 hrs.
A. Chapel—two semesters.....	2 semesters
B. English—ENG 2310.....	3 hours

C. History—HIS 1300.....	3 hours
D. Political Science—PSC 1387.....	3 hours
E. Religion—REL 1310.....	3 hours
F. Religion—REL 1350.....	3 hours
G. Communication and Media Literacy.....	3 hours
H. Contemporary Social Issues—one course.....	3 hours
ANT 1306, PSY 1305, SOC 1305	
I. Fine Arts and Performing Arts—one course.....	2-3 hours
Select 2-3 hours from the Fine Arts and Performing Arts distribution list.	
J. Foreign Languages and Cultures.....	6-8 hours
K. Formal Reasoning (STA 1380).....	3 hours
L. Research, Writing, & Literature—two courses.....	6 hours
Select 6 hours from the Research, Writing, and Literature distribution list.	
M. Scientific Method I (with Laboratory Experience) one 4-hour course with included lab or lecture and matching lab.....	4 hours
BIO 1401, 1305/1105, 1306/1106, 1403, 1405, or 1406	
N. Scientific Method II—Additional Science or Grand Challenges of Science Course Any PHY or CHE from the distribution list.....	3-4 hours
O. Lifetime Fitness.....	3 hours
V. Major Requirements.....	76 hours
A. CSD Required Courses.....	37 hours
CSD 1308, CSD 2318, CSD 2351, CSD 3308, CSD 3357, CSD 3359, CSD 4358, CSD 4301, CSD 4302, CSD 4305, CSD 4368, CSD 4477	
1. 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, 2318, 2351, and 3357.	
B. Minimum 3.0 GPA average in the CSD courses required for retention in the major.	
Restricted Electives.....	24 hours
Students may choose 24 credit hours from the following options:	
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 ASL 3 (Minimum grade of C in CSD 1406)	
CSD 2302 ASL 4 (prerequisite is CSD 2301)	
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	
CSS 4313 Communication and the Family	
EDP 3326 The Developing Child	
EDP 3361 Developmental Disabilities	
LS 3305 Children’s Literature	
MH 2301 Christian Spirituality and Healthcare	
NSC 1306 Introduction to Neuroscience	
NSC 3311/PSY 3311 Cognition -- (prerequisites - NSC 1306/1106 and either PSY 2402 or MTH 1321)	
PHI 1307 - Critical Thinking: Logic and Medicine	
PHI 1309 - Introduction to Medical Ethics	
PHP 2101 Foundations of Medical Research (Fall only)	
PSY 3308 Introduction to Counseling (prerequisites - PSY 1305 & PSY 2402)	
PUBH 4327 Death & Dying (prerequisite - upper-level standing)	
REL 4395 Bioethics (prerequisites REL 1310 and 1350)	
SOC 3305/GRT 3305 Introduction to Gerontology (Fall only)	
SOC 3311 Sociology of Race and Ethnicity	
SOC 4310 Death & Dying	
SOC 4395/GRT 4395 Aging and Mental Health (Fall only)	
GRT 4393/SWO 4393/SOC 4393 - Sociology of Aging	

PSY 3341 A Survey of Human Development	
C. General electives.....	15 hours

Bachelor of Science in CSD
Requirements for a Major in Communication Sciences and Disorders
(Deaf Education Concentration)

I. Minimum requirement.....	124 sem. hrs.
II. Residence requirement – minimum	60 hrs.
III. Grade point average – minimum of 2.8 overall and 3.0 in the major for work completed at Baylor.	
IV. Basic requirements.....	50 to 52 hrs.
A. Chapel—two semesters.....	2 semesters
B. English—ENG 2310.....	3 hours
C. History—HIS 1300.....	3 hours
D. Political Science—PSC 1387.....	3 hours
E. Religion—REL 1310.....	3 hours
F. Religion—REL 1350.....	3 hours
G. Communication and Media Literacy.....	3 hours
H. Contemporary Social Issues—one course.....	3 hours
Select 3 hours from the Contemporary and Social Issues distribution list.	
I. Fine Arts and Performing Arts—one course.....	2-3 hours
Select 2-3 hours from the Fine Arts and Performing Arts distribution list.	
J. Foreign Languages and Cultures—at least 6 hours must be in residence).....	8 hours
ASL I and ASL II	
K. Formal Reasoning.....	3 hours
Select 3 hours from the Formal Reasoning distribution list.	
L. Research, Writing, & Literature—two courses.....	6 hours
Select 6 hours from the Research, Writing, and Literature distribution list	
M. Scientific Method I (with Laboratory Experience) one 4-hour course with included lab or lecture and matching lab.....	4 hours
N. Scientific Method II—Additional Science or Grand Challenges of Science.....	3-4 hours
O. Lifetime Fitness.....	3 hours
V. Major Requirements.....	74 hours
A. CSD required courses.....	54 hours
CSD 1360; CSD 2318; CSD 3312; CSD 4301; CSD 4368; CSD 4360; CSD 4361; CSD 4660/4661; CSD 4662/4663; CSD 2301; CSD 2302; CSD 4352	
B. Education courses.....	9 hours
TED 1312; EDP 2360; EDC 3309	
C. Restricted Electives (Select 11 hours).....	11 hours
TED 4312; LS 4307; TED 3301; EDP 3324; EDP 3361; CSD 3310; CSD 4322; CSD 4323; CSD 4V30; TED 2340/1140	

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.

Select Twenty-one semester hours in the following courses:

- A. CSD 2301, 2302, 3310, 3311, 3312, 3313, 4V30, 4322, 4323.

NOTE FOR ALL DEPARTMENT OF COMMUNICATION SCIENCES AND DISORDERS MAJORS

A student who earns a D or F in a CSD course may repeat the course. However, **a student earning a second D or F in the same course, or in a subsequent CSD course**, will not be eligible to continue in the Communication Sciences and Disorders major. The student may, however, be eligible to continue studies in another major in the University. Students who believe they have individual circumstances warranting an exception to these grade minimums and failure policies may appeal to the department chair.

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 2017 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.

DEPARTMENT OF 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

Ms. Jaynie Fader, 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.

I. Minimum requirement	124 sem. hrs.
II. Residence requirement	60 hrs.
III. Grade point average – minimum of 2.00 (“C”) overall.	
IV. Basic Requirements	48 to 50 hours
A. Chapel – 2 semesters	No credit
B. English - ENG 2310	3 hours
C. History - HIS 1300	3 hours
D. Political Science - PSC 1387	3 hours

- E. Religion - REL 1310 3 hours
- F. Religion - REL 1350 3 hours
- G. Communication & Media Literacy (select one course from Distribution List).... 3 hours
- H. Contemporary Social Issues 3 hours
ECO 1305
- I. Fine Arts and Performing Arts 2 hours
ADM 1241
- J. Foreign Languages & Cultures (select from Distribution List)..... 3 - 4 hours
- K. Formal Reasoning (select one course from Distribution List)..... 3 hours
- L. Research, Writing & Literature 6 hours
ENG 1310 and PWR 3300
- M. Scientific Method I 4 hours
CHE 1405 or CHE 1301/CHE 1101 or CHE 1300/1100
- N. Scientific Method II 3 hours
NUTR 3314
- O. Lifetime Fitness 3 hours
- V. Major
 - A. Apparel Courses 46 hours
ADM 1311, (1300 or 1391), 1321, 2310, 2311, 2373, 3301, 3363, (3364 or 3365), 3373, 4190, 4312, 4363, 4371, 4394, (4396 or 3396)
 - B. Required courses in other fields..... 15 hours
ACC 2301; ENT 3315; MKT 3301
Select two classes from ART 1310, 1314, 2310, 2334, 2336, 2350, 3314, 3315, or 3316. Please note that 2310 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.
 - C. HSD Core..... 4 hours
HSD 1104 and CFS 1315 or 4356 (NUTR 3314 is included in basic studies requirements above)
 - D. Electives..... 12-15 hours
Dependent on Foreign Languages and Cultures hours. May use to complete minor in Entrepreneurship, Business Administration, or other area, if desired.
 - E. An approved, 240-hour, on-site internship is required following the completion of all prerequisite apparel design courses. The required, for-credit course, ADM 4394 (listed above), provides credit for the internship experience.
 - F. A grade of "C" or better in Human Sciences and Design Courses (ADM, CFS, HSD, ID, or NUTR)

APPAREL MERCHANDISING

Ms. Jaynie Fader, 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.

- I. Minimum requirement 124 sem. hrs.
- II. Residence requirement..... 60 hrs.
- III. Grade point average – minimum of 2.00 ("C") overall.
- IV. Basic Requirements 48 to 50 hours
 - A. Chapel – 2 semesters..... No credit
 - B. English - ENG 2310..... 3 hours
 - C. History - HIS 1300..... 3 hours
 - D. Political Science - PSC 1387 3 hours
 - E. Religion - REL 1310 3 hours
 - F. Religion - REL 1350 3 hours
 - G. Communication and Media Literacy (select one course from Distribution List). 3 hours
 - H. Contemporary Social Issues 3 hours
ECO 1305

- I. Fine Arts and Performing Arts2 hours
ADM 1241
- J. Foreign Languages & Cultures (select from Distribution List)3 - 4 hours
- K. Formal Reasoning (select one course from Distribution List) 3 hours
- L. Research, Writing & Literature 6 hours
ENG 1310 and PWR 3300
- M. Scientific Method I 4 hours
CHE 1405 or CHE 1301 & CHE 1101 or CHE 1300 & CHE 1100
- N. Scientific Method II 3 hours
NUTR 3314
- O. Lifetime Fitness 3 hours
- V. Major
 - A. Apparel Courses 49 hours
ADM 1300, 1391, (1311 or 2371), 2310, 2311, 3340, 3361, (3364 or 3365), 3391,
3393, 4190, 4312, 4391, 4392, 4393, (3396 or 4396), and 3 semester hours
selected from ADM 3V90, (4132 and 4232), or any upper division ADM course not
being used to fulfill a requirement
 - B. Required courses in other fields21 hours
ACC 2301; BUS 1305; MKT 3301; and a choice of:
1. 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) or
2. 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.
 - C. HSD Core 4 hours
HSD 1104 and CFS 1315 or 4356 (NUTR 3314 is included in basic studies
requirements above)
 - D. Electives3-6 hours
Dependent on Foreign Languages and Cultures hours
 - E. An approved, 240-hour, on-site internship is required following the completion of all
prerequisite apparel merchandising courses. The required, for-credit course, ADM 4392
(listed above), provides credit for the internship experience.
 - F. A grade of “C” or better in Human Sciences and Design Courses (ADM, CFS, HSD,
ID, or NUTR)

Requirements for a Minor in Apparel Merchandising

Eighteen semester hours, including the following:

- A. ADM 1391, 2310, and (1300 or 2371) (9 semester hours).
- B. Complete nine semester hours from the following: ADM 3340, (3364, or 3365), 3391,
3393, 3396, 3V90, 4312, 4393, or 4132 and 4232.
- C. A grade of “C” or better in ADM courses used for the minor.

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.

CONCENTRATION IN CHILD DEVELOPMENT

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.

- I. Minimum requirement124 sem. hrs.
- II. Residence requirement 60 hrs.
- III. Grade point average – minimum of 2.00 (“C”) overall.
- IV. **Basic Requirements**48 to 50 hours
 - A. Chapel – 2 semestersNo credit
 - B. ENG 2310 3 hours
 - C. HIS 1300 3 hours
 - D. PSC 1387 3 hours
 - E. Religion - REL 1310 3 hours
 - F. Religion - REL 1350 3 hours
 - G. Communication and Media Literacy 3 hours
CFS 3354
 - H. Contemporary and Social Issues 3 hours
Select one course from CFS 4356, SOC 1305, PSY 1305, REL 3390, or ANT 1325
 - I. Fine Arts and Performing Arts 2 hours
HSD 1231
 - J. Foreign Languages & Cultures (select from Distribution List) 6 – 8 hours
 - K. Formal Reasoning 3 hours
Select one course from MTH 1301, PHI 1306, or STA 1380
 - L. Research, Writing & Literature 6 hours
ENG 1310 and PWR 3300
 - M. Scientific Method I 4 hours
Select from BIO 1305 & 1105, BIO 1306 & 1106, BIO 1401, NSC 1306 & 1106,
CHE 1300 & 1100, CHE 1301 & 1101, or CHE 1405
 - N. Scientific Method II 3 hours
NUTR 2351 or NUTR 3314
 - O. Lifetime Fitness 3 hours
- V. **Major**
 - A. Child and Family Studies Courses: Child Development Concentration..... 40 hours
CFS 1315, 2355, 2357, 3304, 3324, 3350, 3356, 3357, 3358, 4191, 4358, 4359, 4363,
4390
 - B. Required courses in other fields 12 hours
Select 12 hours from LS 3305, 4320; EDP 3324, 3330, 3361; SOC 3360, 4315; PUBH
3325; TED 3380
 - C. Professional Electives 15 hours
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; CSS 4311, 4313;
PUBH 4321, 4327; REL 3382, 3390; SOC 3311, 3355, 4310, 4322, 4353; SWO
4315, 4316
Option 3: Family Life Education Certification, including CFS 4356, 4367, CSS 3311
or 4313, CFS 4357 or SWO 4322, and PUBH 4321. If this option is selected, CFS
4356 cannot count as the Contemporary Social Issues course for basic studies.
 - D. HSD Core 1 hour
HSD 1104 (HSD 1231, NUTR 2351/3314 are included in basic studies courses above)
 - E. Electives 6 – 8 hours
Dependent on the foreign languages and professional electives option selected.
 - F. An approved, on-site internship is required following the completion of prerequisite
courses. The required, for-credit course, CFS 4390 (listed above), provides credit for
the internship experience.
 - G. 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.

CONCENTRATION IN CHILD LIFE

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.

- I. Minimum requirement 124 sem. hrs.
- II. Residence requirement 60 hrs.
- III. Grade point average – minimum of 2.00 (“C”) overall.
- IV. **Basic Requirements** 48 to 50 hours
 - A. Chapel – 2 semesters No credit
 - B. ENG 2310 3 hours
 - C. HIS 1300 3 hours
 - D. PSC 1387 3 hours
 - E. Religion - REL 1310 3 hours
 - F. Religion - REL 1350 3 hours
 - G. Communication and Media Literacy 3 hours
CFS 3354
 - H. Contemporary and Social Issues 3 hours
Select one course from CFS 4356, SOC 1305, PSY 1305, REL 3390, or ANT 1325
 - I. Fine Arts and Performing Arts 2 hours
HSD 1231
 - J. Foreign Languages & Cultures (select from Distribution List) 6 – 8 hours
 - K. Formal Reasoning 3 hours
Select one course from MTH 1301, PHI 1306, or STA 1380
 - L. Research, Writing & Literature 6 hours
ENG 1310 and PWR 3300
 - M. Scientific Method I 4 hours
Select from BIO 1305 & BIO 1105, BIO 1306 & BIO 1106, BIO 1401, NSC 1306 & NSC 1106, CHE 1300 & CHE 1100, or CHE 1301 & CHE 1101
 - N. Scientific Method II 3 hours
NUTR 2351 or NUTR 3314
 - O. Lifetime Fitness 3 hours
- V. **Major**
 - A. Child and Family Studies Courses: Child Life Concentration 40 hours
CFS 1315, 2355, 2357, 3304, 3350, 3356, 3357, 3358, 3362, 4191, 4358, 4359, 4363, 4390
 - B. Required courses in other fields 12 - 14 hours
Select 12-14 hours from: CLA 3381; PUBH 3320, 3325; 4327, BIO 2401, 2402
 - C. Professional Electives 15 hours
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; CSS 4311, 4313; EDP 3361; LS 3305, 4320; PUBH 4321, 4327; REL 3382, 3390; SOC 3311, 3355, 3360, 4322, 4353; SWO 4315, 4316; TED 3380
Option 3: Family Life Education Certification, including CFS 4356, 4367, CSS 3311 or 4313, CFS 4357 or SWO 4322, and PUBH 4321. If this option is selected, CFS 4356 cannot count as the Contemporary Social Issues course for basic studies.
 - D. HSD Core 1 hour
HSD 1104 (HSD 1231, NUTR 2351/3314 are included in basic studies courses above)
 - E. Electives 4 – 8 hours
Dependent on the foreign languages and professional electives option selected.
Students may complete CFS 4695 to satisfy some of these hours.
 - F. 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.

- G. An approved, on-site internship is required following the completion of prerequisite courses. The required, for-credit course, CFS 4390 (listed above), provides credit for the internship experience.
- H. 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.

CONCENTRATION IN FAMILY LIFE EDUCATION

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.

- I. Minimum requirement 124 sem. hrs.
- II. Residence requirement 60 hrs.
- III. Grade point average – minimum of 2.00 (“C”) overall.
- IV. **Basic Requirements** 48 to 50 hours
 - A. Chapel – 2 semesters No credit
 - B. ENG 2310 3 hours
 - C. HIS 1300 3 hours
 - D. PSC 1387 3 hours
 - E. Religion - REL 1310 3 hours
 - F. Religion - REL 1350 3 hours
 - G. Communication and Media Literacy 3 hours
CFS 3354
 - H. Contemporary and Social Issues 3 hours
Select one course from SOC 1305, PSY 1305, REL 3390, or ANT 1325
 - I. Fine Arts and Performing Arts 2 hours
HSD 1231
 - J. Foreign Languages & Cultures (select from Distribution List) 6 – 8 hours
 - K. Formal Reasoning 3 hours
Select one course from MTH 1301, PHI 1306, or STA 1380
 - L. Research, Writing & Literature 6 hours
ENG 1310 and PWR 3300
 - M. Scientific Method I 4 hours
Select from BIO 1305 & BIO 1105, BIO 1306 & BIO 1106, BIO 1401, NSC 1306 & NSC 1106, CHE 1301 & CHE 1101, or CHE 1405
 - N. Scientific Method II 3 hours
NUTR 2351 or NUTR 3314
 - O. Lifetime Fitness 3 hours
- V. **Major**
 - A. Child and Family Studies Courses: Family Life Education Concentration 40 hours
CFS 1315, 2355, 2357, 3304, 3350, 3356, 4191, 4356, 4357, 4358, 4359, 4364, 4367, 4390
 - B. Required courses in other fields 9 hours
PUBH 3320; PUBH 4321; SWO 4322
 - C. Professional Electives 18 hours
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; EDP 3361; LS 3305, 4320; PUBH 3325, 4327; REL 3382, 3390; SOC 3311, 3355, 3360,

4310, 4322, 4353; SWO 4315, 4316; TED 3380

- D. HSD Core 1 hour
HSD 1104 (HSD 1231, NUTR 2351/3314 are included in basic studies courses above)
- E. Electives 6 – 8 hours
Dependent on the foreign languages and professional electives option selected.
- F. 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.
- G. An approved, on-site internship is required following the completion of prerequisite courses. The required, for-credit course, CFS 4390 (listed above), provides credit for the internship experience.
- H. 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.

CONCENTRATION IN PRE-OCCUPATIONAL THERAPY

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.

- I. Minimum requirement 124 sem. hrs.
- II. Residence requirement 60 hrs.
- III. Grade point average – minimum of 2.00 (“C”) overall.
- IV. **Basic Requirements** 48 to 50 hours
 - A. Chapel – 2 semesters No credit
 - B. ENG 2310 3 hours
 - C. HIS 1300 3 hours
 - D. PSC 1387 3 hours
 - E. Religion - REL 1310 3 hours
 - F. Religion - REL 1350 3 hours
 - G. Communication and Media Literacy 3 hours
CFS 3354
 - H. Contemporary and Social Issues 3 hours
SOC 1305 or PSY 1305
 - I. Fine Arts and Performing Arts 2 hours
HSD 1231
 - J. Foreign Languages & Cultures (select from Distribution List) 6 – 8 hours
 - K. Formal Reasoning 3 hours
STA 1380
 - L. Research, Writing & Literature 6 hours
ENG 1310 and PWR 3300
 - M. Scientific Method I 4 hours
CHE 1301 & CHE 1101
 - N. Scientific Method II 3 hours
NUTR 2351 or NUTR 3314
 - O. Lifetime Fitness 3 hours
- V. **Major**
 - A. Child and Family Studies Courses: Pre-Occupational Therapy Concentration.. 40 hours
CFS 1315, 2355, 2357, 3304, 3324, 3350, 3356, 4191, 4358, 4359, 4367, and 4390;
Select 6 hours from: CFS 3357, 3358, or 4363.
 - B. Required courses in other fields 28 hours
CLA 3381; PSY 3341; PSY 3321 or 3330; BIO 2401, BIO 2402; NSC 1306 and 1106;
HP 2306 or 2307; PHY 1405.
 - C. Professional Electives 3 hours
Select 3 hours in addition to any courses selected in (B) above from the following: any
CFS 3000 or 4000 class; CSS 3311, 4313; EDP 3361; LS 3305, 4320; PUBH
3325, 4321, 4327; REL 3382, 3390; SOC 3311, 3330, 3355, 3360, 4310, 4322, 4353;
SWO 4315, 4316, TED 3380.

- D. HSD Core 1 hour
HSD 1104 (HSD 1231, NUTR 2351/3314 are included in basic studies courses above)
- E. Electives 2 – 4 hours
Dependent on the foreign languages and professional electives option selected.
- F. 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.
- G. An approved, on-site internship is required following the completion of prerequisite courses. The required, for-credit course, CFS 4390 (listed above), provides credit for the internship experience.
- H. Students interested in applying to Occupational Therapy programs should review the prerequisite course requirements as each OT program will vary in their expectations.

Requirements for a Minor in Child and Family Studies

- Eighteen semester hours, including the following:
- A. CFS 1315, 2355, 3356, and 4359.
 - B. Complete 6 additional semester hours of “3000-4000” level CFS electives.
 - C. A grade of “C” or better in all courses used for the minor.

Famiy 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.

- I. Minimum requirement.....124 sem. hrs.
- II. Residence requirement..... 60 hrs.
- III. Grade point average – minimum of 2.00 (“C”) overall.

- IV. Basic Requirements48 to 50 hours**
- A. Chapel – 2 semestersNo credit
 - B. ENG 2310 3 hours
 - C. HIS 1300 3 hours
 - D. PSC 1387 3 hours
 - E. Religion - REL 1310 3 hours
 - F. Religion - REL 1350 3 hours
 - G. Communication and Media Literacy (select from Distribution List) 3 hours
 - H. Contemporary and Social Issues 3 hours
CFS 4356
 - I. Fine Arts and Performing Arts 2 hours
HSD 1231
 - J. Foreign Languages & Cultures (select from Distribution List) 6 – 8 hours
 - K. Formal Reasoning 3 hours
Select one course from MTH 1301 or STA 1380
 - L. Research, Writing & Literature 6 hours
ENG 1310 and PWR 3300
 - M. Scientific Method I 4 hours
Select from CHE 1300 & 1100, CHE 1301 & 1101, or CHE 1405
 - N. Scientific Method II 3 hours
NUTR 2351 or NUTR 3314
 - O. Lifetime Fitness 3 hours

V. Major

- A. Family and Consumer Sciences Courses 28 hours
ADM 1311 or 1300 or 1391 or 2371, ADM 2310; CFS 1315, 2355, 3350, 3356;

- HSD 3375 or ID 3313 or 4313; NUTR 1401, 2380; (CFS 4356 is required, included in basic studies above)
- B. Family and Consumer Sciences Electives 15 hours
Select 15 hours from any ADM, CFS, HSD, ID, or NUTR course at the 3000 or 4000 level
- C. Professional Electives 9 hours
- D. HSD Core 1 hour
HSD 1104 (HSD 1231, NUTR 2351/3314 are included in basic studies courses above)
- E. Electives 21 – 23 hours
Dependent on the foreign languages selected.
- F. 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.

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 Baylor Interior Design Association, 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.

- I. Minimum requirement 124 sem. hrs.
- II. Residence requirement 60 hrs.
- III. Grade point average – minimum of 2.00 (“C”) overall.
- IV. **Basic Requirements** 46 to 47 hours
- A. Chapel – 2 semesters No credit
- B. ENG 2310 3 hours
- C. HIS 1300 3 hours
- D. PSC 1387 3 hours
- E. Religion - REL 1310 3 hours
- F. Religion - REL 1350 3 hours
- G. Communication & Media Literacy (select one course from Distribution List) 3 hours
- H. Contemporary Social Issues 3 hours
CFS 4356
- I. Fine Arts/Performing Arts 3 hours
ART 1310
- J. Foreign Languages & Cultures (select from Distribution List) 3 – 4 hours
- K. Formal Reasoning (select one course from Distribution List) 3 hours

- L. Research, Writing & Literature..... 6 hours
ENG 1310 and PWR 3300
 - M. Scientific Method I..... 4 hours
CHE 1405 or (CHE 1300 & CHE 1101) or (CHE 1301 & CHE 1101)
 - N. Scientific Method II 3 hours
NUTR 3314
 - O. Lifetime Fitness Distribution List..... 3 hours
- V. Major**
- A. Interior Design Courses 69 hours
ID 1313, 1332, 2090, 2314, 2317, 2318, 2320, 2322, 2325, 2350, 2375, 2395,
3198, 3317, 3322, 3418, 3426, 4123, 4320, 4326, 4398, 4418, and 4433;
ADM 2310
 - B. Required courses in other fields..... 6 hours
ART 1314 and (ARTH 2302 or 2303)
 - C. HSD Core..... 1 hour
HSD 1104 (NUTR 3314 and CFS 4356 are included in basic studies requirements above)
 - D. Electives 1-2 hours
Dependent on Foreign Languages and Cultures hours
 - E. 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: 1. A minimum GPA of 2.85 of higher in the ID and Art courses required in the freshman level studio sequencing. 2. Interior design faculty recommendation for advancement based upon academic performance and participation. 3. Submission of selected work from the First-Year level Interior Design and Art courses.
 - F. Sophomore Portfolio 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 Portfolio Review:
 - 1. Overall GPA of 2.5 at the end of the fall term prior to the sophomore portfolio review to make application.
 - 2. Passing of the practicum portions of the portfolio review
 - 3. A 2.85 overall in Interior Design Courses at the end of the Spring Semester.
 - G. An approved, 240-hour, on-site internship is required following the completion of the junior year. The required, for-credit course, ID 4398 (listed above), provides credit for the internship experience.
 - H. A grade of "C" or better in Human Sciences and Design Courses (ADM, CFS, HSD, ID, or NUTR)

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-healthcare 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.

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 2000, 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.

- I. Minimum requirement124 sem. hrs.
 II. Residence requirement..... 60 hrs.
 III. Grade point average – minimum of 2.00 (“C”) overall.
- IV. Basic Requirements.....45-47 hours**
 A. Chapel – 2 semesters.....No credit
 B. English - ENG 2310.....3 hours
 C. History - HIS 13003 hours
 D. Political Science - PSC 13873 hours
 E. Religion - REL 13103 hours
 F. Religion - REL 13503 hours
 G. Communication & Media Literacy (select one course from Distribution List)3 hours
 H. Contemporary Social Issues3 hours
 Select one course in PSY, SOC or ANT from the Distribution List
 I. Fine Arts and Performing Arts (select one course from Distribution List).....2-3 hours
 J. Foreign Languages & Cultures (select from Distribution List)3-4 hours
 K. Formal Reasoning3 hours
 STA 1380
 L. Research, Writing & Literature.....6 hours
 ENG 1310 and 2301 or 2306
 M. Scientific Method I4 hours
 CHE 1301 and 1101
 N. Scientific Method II3 hours
 NUTR 2351 Nutrition
 O. Lifetime Fitness3 hours
- V. Major**
 A. Nutrition courses.....36 hours
 NUTR 1401, 2101, 2380, 3351, 3188, 3386, 3388, 3435, 4200, 4351, (4352 or 4386),
 4387, 4388.
 All pre-requisites must be met.
 B. Required courses in other fields33 hours
 BIO 1302, 1102, 1305, 1105, 1306, [2401 & 2402]
 CHE 1302, 1102, 1341, 1146, 3341; MGT 3301
 Please note that some courses have GPA prerequisites. All prerequisites must be met.
 C. HSD core.....7 hours
 HSD 1104, CFS 1315 or 4356, and CFS 3350
 D. Electives0 – 3 hours
 E. A grade of “C” or better is required for all courses used to complete a degree in
 Nutrition Sciences with a pre-dietetics concentration.

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,

- I. Minimum requirement124 sem. hrs.
 II. Residence requirement..... 60 hrs.
 III. Grade point average – minimum of 2.00 (“C”) overall.
- IV. Basic Requirements.....45-47 hours**
 A. Chapel – 2 semesters.....No credit
 B. English - ENG 2310.....3 hours
 C. History - HIS 13003 hours
 D. Political Science - PSC 13873 hours
 E. Religion - REL 13103 hours
 F. Religion - REL 13503 hours

- G. Communication and Media Literacy (select one course from Distribution List) 3 hours
 - H. Contemporary Social Issues 3 hours
Select one course in PSY, SOC or ANT from the Distribution List
 - I. Fine Arts and Performing Arts (select one course from Distribution List).....2 - 3 hours
 - J. Foreign Languages & Cultures (select from Distribution List)3-4 hours
 - K. Formal Reasoning 3 hours
STA 1380 or 2381
 - L. Research, Writing & Literature 6 hours
ENG 1310 and 2301 or 2306
 - M. Scientific Method I 4 hours
CHE 1301 and 1101
 - N. Scientific Method II 3 hours
NUTR 2351 Nutrition
 - O. Lifetime Fitness 3 hours
- V. Major**
- A. Nutrition courses..... 35 hours
NUTR 1401, 2101, 2380, 3351, 3386, 4351.
Select 18 credits from: NUTR 3388, 4352, 4386, 4387, 4388, CFS 2355, 3325, 3358, and/or 4363.
All pre-requisites must be met.
 - B. Required courses in other fields 29 - 37 hours
BIO [1302 or 4302], [1102 or 4102], 1305, 1105, 1306, 1106, [2401 & 2402 or 3322]
CHE 1302, 1102, [1341 or 3332], [1146 or 3238], [3341 or 4341 & 4342]; MGT 3301
Please note that some BIO courses have GPA prerequisites. All prerequisites must be met.
 - C. HSD core..... 7 hours
HSD 1104, CFS 1315 or 4356, and CFS 3350
 - D. Electives 1-8 hours
 - E. 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.

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.

- I. Minimum requirement 124 sem. hrs.
 - II. Residence requirement..... 60 hrs.
 - III. Grade point average – minimum of 2.00 (“C”) overall.
- IV. Basic Requirements..... 46-48 hours**
- A. Chapel – 2 semester..... No credit
 - B. English - ENG 2310..... 3 hours
 - C. History - HIS 1300 3 hours
 - D. Political Science - PSC 1387 3 hours
 - E. Religion - REL 1310 3 hours
 - F. Religion - REL 1350 3 hours
 - G. Communication and Media Literacy (select one course from Distribution List) 3 hours
 - H. Contemporary Social Issues 3 hours
Select one course in PSY, SOC or ANT from the Distribution List
 - I. Fine Arts and Performing Arts (select one course from Distribution List).....2-3 hours
 - J. Foreign Languages & Cultures (select from Distribution List)3-4 hours
 - K. Formal Reasoning 3 hours
STA 1380
 - L. Research, Writing & Literature 6 hours
ENG 1310 and 2301 or 2306
 - M. Scientific Method I 4 hours
CHE 1405 or 1300/1100 or 1301/1101

- N. Scientific Method II4 hours
Select from BIO lecture/lab courses on the Distribution List
- O. Lifetime Fitness3 hours
- V. **Major**
- A. Nutrition courses..... 36 hours
NUTR 1401, 2101, 2351 2380, 3351, 3386, 3435, 4351, and 4395.
Select 9 credits from: NUTR 3388, 4352, 4386, CFS 2355, 3325, and/or 4363.
All prerequisites must be met.
- B. Required courses in other fields 13 hours
BIO 1302 & 1102, MGT 3301, 4336, BUS 1305
Please note that some BIO courses have GPA prerequisites. All prerequisites must be met.
- C. HSD core.....7 hours
HSD 1104, CFS 1315 or 4356, and CFS 3350
- D. Electives (to reach 124 minimum hours)20-22 hours
- E. A grade of “C” or better is required for all Human Sciences and Design Courses (NUTR, CFS, HSD).

Requirements for a Minor in Nutrition Sciences

Nineteen semester hours, including the following:

- A. NUTR 1401, 2351
- B. Twelve semester hours from NUTR 2380, 3351, 3386, 3388, 3435, 4351, 4352, 4386, 4387, 4388. (All prerequisites must be fulfilled.)
- C. A grade of C or better is required in all courses used in the minor.

DEPARTMENT OF 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.

Bachelor of Science in Exercise Physiology Dr. Yunsuk Koh, Director

- I. Minimum requirement124 sem. hrs.
- II. Residence requirement – minimum 60 hrs.
- III. Grade point average – minimum of 2.00 (“C”) overall and in the major for work done at Baylor.
- IV. Basic requirements.....45 to 46 hrs.
- A. Chapel—two semesters..... 2 semesters
- B. English—ENG 2310 3 hours
- C. History—HIS 1300 3 hours
- D. Political Science—PSC 1387..... 3 hours
- E. Religion—REL 1310 3 hours

- F. Religion—REL 1350 3 hours
 - G. Communication and Media Literacy (CSS 1301 or 1302) 3 hours
 - H. Contemporary Social Issues—(PSY 1305) 3 hours
 - I. Fine Arts and Performing Arts—one course 2-3 hours
Select 2-3 hours from the Fine Arts and Performing Arts distribution list.
 - J. Foreign Languages and Cultures 3-4 hours
Select 3-4 hours from the Foreign Languages and Cultures distribution list.
 - K. Formal Reasoning (MTH 1320 or 1321) 3 hours
 - L. Research, Writing, & Literature—two courses 6 hours
Choose 3 hours from ENG 1310 or PWR 3300 and 3 hours from ENG 2301, or 2306
 - M. Scientific Method I (with Laboratory Experience) (PHY 1408) 4 hours
 - N. Scientific Method II (CHE 1300) 3 hours
 - O. Lifetime Fitness 3 hours
 - V. Major Requirements 79 hours
 - A. Human Performance Required Courses 50 hours
HP 1420, 1421, 2306, 2307, 2420, 3320, 3330, 4352, 4354, 4368, 4375, 4450, 4471, 4369, 4393
 - B. Required Courses in Other Fields 11 hours
PHY 1409; NUTR 2351; SOC 1305; PUBH 1145
 - C. Professional Field Experiences 6 hours
HP 4V79
- Note: Must have current First Aid and CPR certification to enroll in these courses.**
- D. Restricted Electives 12 hours
 - 1. 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.

HEALTH, KINESIOLOGY, AND LEISURE STUDIES

Dr. Margaret E. Woody, Director

- I. Degree Requirements
 - Total for degree minimum 124 sem. hrs.
 - A. Minimum 36 hrs. advanced total with at least 18 hrs. in residence
 - B. Minimum 60 hrs. in residence, including the last 30 hrs.
 - C. Admission and Graduation Requirements – 2.0 GPA overall and in major
 - D. No course may be taken pass-fail.
- II. Basic Requirements 56-57 hrs.
 - A. ENG 1310, 2301, 2310 and 2306 12 hrs.
 - B. History 6 hrs.
 - C. PSY 1305 and Sociology 1305 6 hrs.
 - D. PSC 1387 3 hrs.
 - E. REL 1310 and 1350 6 hrs.
 - F. Mathematics 3 hrs.
 - G. CSI 1302, 1303, 1430, 3303 or BUS 1305 3 hrs.
 - H. HP 1420 and four semester hours laboratory science course 8 hrs.
 - I. Fine Arts 5-6 hrs.
 - 1. CSS 1301 or 1302
 - 2. Art, Music, or Theatre Arts
 - J. Lifetime Fitness, including PUBH 1145 and LF 1134 4 semesters
 - K. Chapel—two semesters no credit
- III. Major 36 hrs.
 - A. HHPR (nine sem. hrs. from each of the following three groups) 27 hrs.
 - 1. PUBH 2313, 3313, 3314, 3317, 3320, 4321, 4327, 4331 or other PUBH courses as approved by program director
 - 2. HP 2304 or 2409, 2306, 2420, 3368, 3381, 3382, 4350, 4352, 4354, 4363, 4368, 4369, 4372, 4393 or other HP courses as approved by program director
 - 3. RLS 1396, 2301, 2388, 2389, 3301, 3302, 3382, 4301, 4393, 4395, 4396 or other RLS courses as approved by program director
 - B. HHPR Electives 9 hrs.
 - 1. Selected from any professional courses within the HHPR Department.
 - 2. HP 1202, 1233, 1236, RLS 1234, 1235 or any “3000” level sports skill series course.

3. "1000" level one-hour activity courses may not be taken to meet this requirement.
- IV. General Electives31-32 hrs.
To be taken from any academic unit in the University, excluding HHPR.

HEALTH SCIENCE STUDIES
Tricia Blalock, PT, DPT, MPH, CLT
Director of Health Science Studies

- Degree requirements.....minimum 124 sem. hrs.
- A. Minimum.....36 hrs. advanced/upper level credit total hours
 - B. Minimum.....60 semester hours must be earned in residence
 - C. 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).
 - D. 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 and 1105, and CHE 1301 and 1101, and have a cumulative GPA corresponding to the minimum requirements for each track:

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

- I. Minimum requirement124 sem. hrs.
- II. Residence requirement – minimum 60 hrs.
- III. Grade point average – minimum of 3.2 overall.
- IV. Basic requirements.....46 to 49 hrs.
 - A. Chapel—two semesters..... 2 semesters
 - B. English—ENG 2310 3 hours
 - C. History—HIS 1300 3 hours
 - D. Political Science—PSC 1387 3 hours
 - E. Religion—REL 1310 3 hours
 - F. Religion—REL 1350 3 hours
 - G. Communication and Media Literacy (CSS 1301 or 1302) 3 hours
 - H. Contemporary Social Issues—(PSY 1305) 3 hours
 - I. Fine Arts and Performing Arts—one course2-3 hours
Select 2-3 hours from the Fine Arts and Performing Arts distribution list.
 - J. Foreign Languages and Cultures 3-4 hours
Select 3-4 hours from the Foreign Languages and Cultures distribution list.
 - K. Formal Reasoning (MTH 1320 or 1321) 3 hours
 - L. Research, Writing, & Literature—two courses..... 6 hours
Choose 6 hours from the Research, Writing, and Literature Distribution List
 - M. Scientific Method I (with Laboratory Experience) (BIO 1305/1105) 4 hours
 - N. Scientific Method II (CHE 1301/1101)..... 4 hours
 - O. Lifetime Fitness 3 hours
- V. Major Requirements 78 hours

- A. HHPR Required Courses 20 hours
HED 1350; HP 1420; HP 2306; HP 2307 or HP 2341, HP 2420 or NSC 1306/1106; HP 4368 or HP 3368
- B. Professional Field Experiences, HP 4V79 3 hours
Note: Students must have department approval and current First Aid and CPR certification to enroll in this course.
- C. HHPR Restricted Electives 9 hours
Choose from: PUBH 3325, 4320, 4321, 4327, 4340, HP/HED 3311, HED 4305, HP 3330, 3382, 4352, 4354, 4384
- D. Upper Level Supportive Electives 6 hours
- E. Required Courses in Other Fields 40-41 hours
BIO 1306/1106, 3322/3122, & 4432; CHE 1302/1102; CLA 3381; NUTR 3314; PHY 1408 & 1409; PUBH 1145; PSY 3321 or 3341; one course from STA 1380, 2381, and SOC 1305

Pre-Medical/Pre-Dental Option

- I. Minimum requirement 124 sem. hrs.
- II. Residence requirement – minimum 60 hrs.
- III. Grade point average – minimum of 3.2 overall.
- IV. Basic requirements 47 to 50 hrs.
 - A. Chapel—two semesters 2 semesters
 - B. English—ENG 2310 3 hours
 - C. History—HIS 1300 3 hours
 - D. Political Science—PSC 1387 3 hours
 - E. Religion—REL 1310 3 hours
 - F. Religion—REL 1350 3 hours
 - G. Communication and Media Literacy (CSS 1301 or 1302) 3 hours
 - H. Contemporary Social Issues—(PSY 1305) 3 hours
 - I. Fine Arts and Performing Arts—one course 2-3 hours
Select 2-3 hours from the Fine Arts and Performing Arts distribution list.
 - J. Foreign Languages and Cultures— 3-4 hours
Select 3-4 hours from the Foreign Languages and Cultures distribution list.
 - K. Formal Reasoning (MTH 1321) 3 hours
 - L. Research, Writing, & Literature—two courses 6 hours
Choose 6 hours from the Research, Writing, and Literature Distribution List
 - M. Scientific Method I (with Laboratory Experience) (BIO 1305/1105) 4 hours
 - N. Scientific Method II (CHE 1301/1101) 4 hours
 - O. Lifetime Fitness (PUBH 1145 and three LF activity courses) 4 hours
- V. Major Requirements 77-79 hours
 - A. HHPR Required Courses 14 hours
HED 1350; HP 1420; HP 2306; HP 2420
 - B. Professional Field Experiences, HP 4V79 3 hours
Note: Must have current First Aid and CPR certification to enroll in these courses.
 - C. Restricted Upper Level Electives 9-10 hours
Choose from: BIO 3429, 4320; 4302/4102; 4432; BUS 3302; CLA 3381; ECO 4350; ENT 3315; HP/HED 3311, HED 4305, HP 3330; MGT 3301, MKT 3301; PUBH 3320, 3325, 3351, 4321, 4340
 - D. Upper Level Supportive Electives 3 hours
 - E. Required Courses in Other Fields 48-49 hours
BIO 1306/1106, 2306, & 3322/3122 or PUBH 3350; CHE 1302/1102, 3331, 3238, 3332, & 4341; NUTR 3314; PHY 1408 & 1409; PUBH 4327; PSY 3321 or 3341; one course from STA 1380, 2381, and SOC 1305

Health Professions Option

- I. Minimum requirement 124 sem. hrs.
- II. Residence requirement – minimum 60 hrs.
- III. Grade point average – minimum of 3.0 CGPA overall.
- IV. Basic requirements 49 to 52 hrs.

A. Chapel—two semesters.....	2 semesters
B. English—ENG 2310.....	3 hours
C. History—HIS 1300.....	3 hours
D. Political Science—PSC 1387.....	3 hours
E. Religion—REL 1310.....	3 hours
F. Religion—REL 1350.....	3 hours
G. Communication and Media Literacy (CSS 1301 or 1302)	3 hours
H. Contemporary Social Issues—(PSY 1305)	3 hours
I. Fine Arts and Performing Arts—one course	2-3 hours
Select 2-3 hours from the Fine Arts and Performing Arts distribution list.	
J. Foreign Languages and Cultures—	6-8 hours
Select 6-8 hours from the Foreign Languages and Cultures distribution list.	
K. Formal Reasoning (MTH 1320 or 1321).....	3 hours
L. Research, Writing, & Literature—two courses.....	6 hours
Choose 6 hours from the Research, Writing, and Literature Distribution List	
M. Scientific Method I (with Laboratory Experience) (CHE 1301/1101)	4 hours
N. Scientific Method II (CHE 1302/1102).....	4 hours
O. Lifetime Fitness (PUBH 1145 and two LF activity courses)	3 hours
V. Major Requirements	57-60 hours
A. HHPR Required Courses.....	14 hours
HED 1350; HP 1420; HP 2306; HP 2420	
B. Restricted Upper Level Electives.....	9-10 hours
Choose from: HP/HED 3311, HED 4305, HP 3330, 3368, 4450; 4V79; NUTR 3314; PUBH 3351, 4320, 4321; RLS 4396	
C. Required Courses in Other Fields.....	34-35 hours
BIO 1305/1105, 1306/1106, 3322/3122, or PUBH 3350; 6 hours of upper-level supportive electives, PHY 1408 and 1409; PUBH 4327 & 4355; one course from STA 1380, 2381	
VI. Minor.....	18-23 hours
Choose any minor with the exception of BIO or CHE	

Pre-Athletic Training Option

I. Minimum requirement.....	124 sem. hrs.
II. Residence requirement – minimum	60 hrs.
III. Grade point average – minimum of 3.0 CGPA overall.	
IV. Basic requirements.....	48 to 51 hrs.
A. Chapel—two semesters.....	2 semesters
B. English—ENG 2310	3 hours
C. History—HIS 1300	3 hours
D. Political Science—PSC 1387.....	3 hours
E. Religion—REL 1310	3 hours
F. Religion—REL 1350	3 hours
G. Communication and Media Literacy (CSS 1301 or 1302)	3 hours
H. Contemporary Social Issues—(PSY 1305)	3 hours
I. Fine Arts and Performing Arts—one course	3 hours
Select one 3 hour course from the Fine Arts and Performing Arts distribution list.	
J. Foreign Languages and Cultures	3-4 hours
Select 3-4 hours from the Foreign Languages and Cultures distribution list.	
K. Formal Reasoning (MTH 1320 or 1321)	3 hours
L. Research, Writing, & Literature—two courses.....	6 hours
Choose ENG 1310 and 3 upper level credit hours from the Research, Writing, and Literature Distribution List	
M. Scientific Method I (with Laboratory Experience) (BIO 1305/1105)	4 hours
N. Scientific Method II (CHE 1301/1101).....	4 hours
O. Lifetime Fitness (PUBH 1145 and three LF activity courses)	4 hours
V. Major Requirements	61 hours
A. HHPR Required Courses	20 hours
HED 1350; HP 1420; HP 2306; HP 2341 or HP 2304; HP 2420; HP 3330	
B. Restricted Electives.....	9 hours
Choose from: HP/HED 3311, HED 4305, HP 3368, 4352, 4354, 4368, 4369, 4393, 4398, PUBH 4320, 4321, 4327	

- C. Required Courses in Other Fields.....32-33 hours
BIO 1306/1106, BIO 2401 and 2402; CLA 3381; NUTR 3314; MGT 3301; PHY 1408 and 1409; one course from STA 1380 or 2381.

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 joining 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)

- HP 5301 - Introduction to Patient Care (3 credit hours)
- HP 5302 - Evaluation and Diagnosis in Athletic Training (3 credit hours)
- HP 5303 - Therapeutic Interventions (3 credit hours)
- HP 5379 - Research Methods in HHPR (3 credit hours)
- STA 5300 - Statistical Methods (cross-listed as EPT 5334) (3 credit hours)

For more information, contact the Program Director of Athletic Training and/or refer to the Graduate catalog.

Pre-Physician Assistant Option

- I. Minimum requirement.....124 sem. hrs.
 - II. Residence requirement – minimum.....60 hrs.
 - III. Grade point average – minimum of 3.2 overall.
 - IV. Basic requirements.....48 to 50 hrs.
 - A. Chapel—two semesters.....2 semesters
 - B. English—ENG 23103 hours
 - C. History—HIS 13003 hours
 - D. Political Science—PSC 1387.....3 hours
 - E. Religion—REL 13103 hours
 - F. Religion—REL 13503 hours
 - G. Communication and Media Literacy (CSS 1301 or 1302)3 hours
 - H. Contemporary Social Issues—(PSY 1305)3 hours
 - I. Fine Arts and Performing Arts—one course3 hours
Select 3 hours from the Fine Arts and Performing Arts distribution list.
 - J. Foreign Languages and Cultures3-4 hours
Select 3-4 hours from the Foreign Languages and Cultures distribution list.
 - K. Formal Reasoning (MTH 1321).....3 hours
 - L. Research, Writing, & Literature—two courses.....6 hours
Choose 6 hours from the Research, Writing, and Literature Distribution List
 - M. Scientific Method I (with Laboratory Experience) (BIO 1305/1105)..4 hours
 - N. Scientific Method II (CHE 1301/1101).....4 hours
 - O. Lifetime Fitness4 hours
 - V. Major Requirements76 hours
 - A. HHPR Required Courses6 hours
HED 1350; HED/HP 3311
 - B. Professional Field Experiences, HP 4V793 hours
- Note: Student must have departmental approval and current First Aid and**



CPR certification to enroll in this course.

- C. Restricted Electives.....6 hours
Choose from: BIO 4320; CHE 4341; HED 4305; SOC 3305, 4353, 4393; PUBH 3325, 4320, 4321, 4340
- D. Upper Level Supportive elective.....3 hours
- E. Required Courses in Other Fields.....58-59 hours
BIO 1306/1106, 2306, 3322/3122, 4432, & 4302/4102; CHE 1302/1102, 3331, 3332, & 3238; CLA 3381; NUTR 3314; PHY 1408 & 1409; PUBH 1145 & 4327; PSY 3321 or 3341; one course from STA 1380, 2381; and SOC 1305

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>. 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 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:

- a. **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.
 - b. **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.
 - c. **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.
 - d. **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

- I. Minimum Requirement.....39 hrs.

**BACHELOR OF SCIENCE IN EDUCATION -WITH ALL-LEVEL PHYSICAL EDUCATION
TEACHER CERTIFICATION**

- I. Degree Requirementsminimum 124 sem. hrs.
 - A. Advanced Hours.....minimum 36 hrs.
 - B. Professional Education.....minimum 36 hrs.
 - C. Academic Major.....minimum 36 hrs.
- II. Residence Requirement–minimum
 - A. Degree Minimum.....60 hrs.
 - B. Chapel–two semesters.....no credit
- III. Grade Point Average–minimum
 - 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.
- IV. General Studies (Non-BIC)40-43 hrs.
 - A. ENG 1310 and ENG 2310.....6 hrs.
 - B. REL 1310 and 1350.....6 hrs.
 - C. Language.....6-8 hrs.
 - Second semester proficiency in a modern or classical language.
 - D. MTH 1301 and STA 1380.....6 hrs.
 - E. Social Science: HIS 2365.....3 hrs.
 - F. Fine Arts: ART, MUS, THEA.....2-3 hrs.
 - G. TED 3380/3180 taken concurrently.....4 hrs.
 - H. LF 1130, HP 2102, PUBH 1145 and one other LF class.....4 hrs.
 - I. PSC 1387.....3 hrs.

J. Chapel—two semesters.....	no credit
V. Professional Studies	6 hrs.
TED 1312, HP 3346	
VI. Academic Major	36 hrs.
A. HP 1420, 2306 or 2307, 2341, 2420.....	14 hrs.
B. HP 3136, 3300, 3301, 3368, 3381, 4368, 4369, 4370.....	22 hrs.
VII. Teaching Associate	6 hrs.
TED 3670	
VIII. Internship	24 hrs.
TED 4670, 4671, 4672, 4673	
IX. Required Electives	12 hrs.
Required electives must be approved by Human Performance Director or representative of HP Director.	

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):

- HP 5V90 - Internship (6 credit hours)
- HP 5354 - Methods: Strength/Conditioning (3 credit hours)
- HP 5335 - Sports Pedagogy (3 credit hours)
- HP 5384 - Biomechanics of Human Movement (3 credit hours)

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, 4671, 4672, and 4673 (undergraduate PE internship coursework).

RECREATION AND LEISURE SERVICES

Dr. Dale Connally, Director

I. Degree Requirements	124 sem. hrs.
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- A. Minimum.....36 hrs. advanced total with at least 18 hrs. in residence
 B. Minimum.....60 hrs. in residence, including the last 30 hrs.
 C. No course may be taken pass-fail.
- II. Basic Requirements.....56-57 hrs.
 A. ENG 1310, 2301, 2310 and 2306..... 12 hrs.
 B. History: two courses from 1305, 1306, 1307, 2365, 2366..... 6 hrs.
 C. SOC 1305 or 1306..... 3 hrs.
 D. PSC 1387..... 3 hrs.
 E. REL 1310 and 13506 hrs.
 F. MTH 1301 or 13153 hrs.
 G. CSI 3303 or BUS 13053 hrs.
 H. CSS 1301 or 13023 hrs.
 I. Laboratory Science8 hrs.
 J. THEA 1206, ART 1300, or MUS 1220.....2-3 hrs.
 K. CFS 3356 or PSY 33413 hrs.
 L. PUBH 1145 required and three activity Lifetime Fitness classes.....4 hrs.
 M. Chapel—two semesters.....no credit
- III. RLS Required Courses.....39 hrs.
 RLS 1396, 2388, 2389, 3302, 3382, 3396, 4391, 4392, 4393, 4396, 4V94
- IV. HP Sport Skills Series.....3 hrs.
 Choose from HP 3300 or 3301
- V. Recreation Certification Courses4 hrs.
 A. RLS/HP 1202 or RLS 2202
 B. Select from RLS/HP 1233, RLS 1235 (spring only), or RLS 2201
- VI. Restricted electives for each track12-13 hrs.
 Choose one track:
 A. Recreation Ministry Track
 REL 2480, RLS 4395, RLS 3301 or 2301, and REL 4396 or 4398, or CRED 7330
 B. Outdoor Recreation Track
 RLS 2301, 3301, 4301, 4331
 C. Community Sport Track
 PUBH 3313, MKT 3340, HP 4369 or 4372, 4370, 4396, 4398
- VII. Other Electives needed to meet 124 minimum.....10-12 hrs.
 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.

Requirements for a Secondary Major in Recreation and Leisure Services

Thirty semester hours including the following:

- I. RLS Required Courses
 A. RLS 1396, 3301, 3302, 3396, 4391, 4396
 B. Two courses from RLS 2388, 2389, 3382, 4392, 4393
- II. Restricted Electives for each track
 A. Outdoor Recreation Track: RLS 4301 and 4331
 B. Recreation Ministry Track: HP 4396 or REL 2480, and RLS 4395

A minimum of 27 of the 30 required hours for the secondary major must be completed in residence.

Requirements for a Minor in Outdoor Education and Leadership

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.

Nineteen semester hours, including the following:

A. Foundations (9 credit hours)

RLS 3301
RLS 4301
RLS 4331

B. Certifications/Leadership (10 credit hours, including the following):

RLS 2201
RLS 2202
RLS 3303
RLS 4V13
RLS 3396
RLS 4V94

RECREATION MINISTRY MINOR

(see Intrauniversity Programs College of Arts & Sciences)

INTRAUNIVERSITY DANCE MINOR

DEGREE PLAN

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.

The Dance Minor requires nineteen to twenty-two hours including:

- A. **Required courses:**.....13-14 hrs.
 HP 1420 Human Anatomy (departmental approval required)
 HP 3302 Pedagogy of Dance (Prerequisites LF 1148 and LF 1118 or THEA 4298)
 HP 4301 Choreography (Prerequisites LF 1148 and LF 1118)
 HP 4V79 Internship (may be taken for 3 or 4 hours)
- B. **Restricted Electives:**.....2 hrs.
 Select two from the following:
 LF 1147 Beginning Jazz I
 LF 1117 Beginning Ballet
 LF 1130 Social Dance
- C. **Technique courses:**.....4-6 hrs.
 Choose one from each of the following areas:
 Area 1 THEA 2299 Jazz I or THEA 3297 Tap I
 Area 2 LF 1148 Jazz II or THEA 4297 Jazz II
 Area 3 THEA 3298 Ballet II

LIFETIME FITNESS

John Faribault, 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 1104-1199 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 HP, 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 participating in intercollegiate athletics may receive two semesters credit by enrolling and completing LF 1128 and LF 1129. 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 Human Performance: No student is excused from Lifetime Fitness because of physical limitations. Before registering for this course, students with disabilities must present to the Coordinator for LF 1104 Adaptive HP a medical statement from a physician outlining the nature of the disability and recommendations for activity. An individualized rehabilitation program and/or academic-oriented program will be provided, as outlined 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 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:

LF 1104	Adaptive HP (Departmental approval required)
LF 1106	Beginning Aerobics
LF 1107	Intermediate Aerobics
LF 1109	Swimmercize Aerobics
LF 1110	Aerobic Walking
LF 1111	Aerobic Running
LF 1112	Backpacking and Camping
LF 1114	Beginning Badminton
LF 1115	Intermediate Badminton

LF 1117	Beginning Ballet
LF 1118	Intermediate Ballet
LF 1119	Advanced Ballet (Departmental approval required)
LF 1121	Beginning Bicycling
LF 1122	Intermediate Bicycling
LF 1123	Beginning Mountain Biking
LF 1124	Beginning Bowling
LF 1125	Intermediate Bowling
LF 1128	Varsity Sports Conditioning I (Departmental approval required)
LF 1129	Varsity Sports Conditioning II (Departmental approval required)
LF 1130	Social Dance
LF 1134	Fitness Theory and Practice
LF 1138	Beginning Golf
LF 1139	Intermediate Golf (Departmental approval required)
LF 1140	Advanced Golf (Departmental approval required)
LF 1147	Beginning Jazz Dance
LF 1148	Intermediate Jazz Dance
LF 1151	Beginning Karate
LF 1152	Intermediate Karate
LF 1153	Advanced Karate (Departmental approval required)
LF 1156	Beginning Racquetball
LF 1157	Intermediate Racquetball
LF 1158	Paddle Sports
LF 1159	Sailing and Canoeing
LF 1160	Beginning Rock Climbing
LF 1161	Intermediate Rock Climbing
LF 1163	Beginning Self Defense
LF 1168	Soccer
LF 1169	Intermediate Self Defense
LF 1170	Advanced Self Defense
LF 1171	Softball
LF 1175	Beginning Swimming
LF 1176	Intermediate Swimming
LF 1177	Advanced Swimming
LF 1178	Lifeguard Training (Departmental approval required)
LF 1179	Beginning Tai Chi
LF 1181	Beginning Tennis
LF 1182	Intermediate Tennis
LF 1183	Advanced Tennis
LF 1189	Volleyball
LF 1192	Weight Control
LF 1194	Beginning Weight Training
LF 1195	Intermediate Weight Training
LF 1197	Beginning Relaxation/Fitness
LF 1198	Intermediate Relaxation/Fitness (Departmental approval required)
LF 1199	Advanced Relaxation/Fitness (Departmental approval required)

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 1212.

NOTE: Lab Fees are required on courses numbered 1101-1199. 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.

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)

Mrs. Margo Shanks, Director

B.S.P.H. Degree

I. Minimum requirement	124 sem. hrs.
II. Residence requirement – minimum	60 hrs.
III. Admission and Graduation Requirements– minimum overall GPA of 2.75.	
IV. No course may be taken pass-fail	
V. Basic requirements.....	58 to 65 hrs.
A. Chapel—two semesters.....	2 semesters
B. English—ENG 2310, PWR 3300, & PWR 3318.....	9 hours
C. History—HIS 1300	3 hours
D. Political Science—PSC 1387	3 hours
E. Religion—REL 1310	3 hours
F. Religion—REL 1350	3 hours
G. CSS 1301 or 1302	3 hours
H. Contemporary Social Issues.....	9 hours
1. SOC 1305 and one course from ANT 1305, SOC 3355, 4320, 4309, or 4325	
2. PSY 1305	
I. Fine Arts and Performing Arts—one course	2-3 hours
J. Foreign Languages and Cultures	3-8 hours
Note: Second semester proficiency must be achieved.	
K. CSI 1430, 3303, or BUS 1305	3 hours
L. Mathematics.....	6-7 hours
1. 3-4 hours chosen from PSY 2402, STA 1380, 2381, or SOC 3402	
2. 3 hrs “1000+” Math Elective (MTH 1301 excluded)	
M. Laboratory Science	8 hours
1. HP 1420 Human Anatomy	
2. BIO 1302/1102 or BIO 4401	
N. Lifetime Fitness	3 hours
1. LF 1134 Fitness Theory and Practice	
2. Two Lifetime Fitness Electives	
VI. Major Requirements	46 hours
A. Public Health Required Courses	28 hours
PUBH 1145, 2330, 2331, 3331, 3350, 3351, 4331, 4333, 4340, 4355	
B. Public Health Restricted Electives.....	12 hours
Chosen from PUBH 2313, 3317, 3320, 3325, 4320, 4321, 4327, 4341, NUTR 3314	
C. Professional Field Experiences (Allowed only after completing PUBH required courses).....	6 hours
PUBH 4V80	

- VII. Restricted Electives..... 6 hours
 Chosen from ANT 4360, BUS 3303, BIO 3330, ENV 2376, 4310, MGT 4353,
 MKT 3301, 3340, PSC 4330, 4352, 4303, PSY 3310, 4355, 3321, 3341, MH 4300, 4382
- VIII. Supporting Areas, as needed to complete 124 hours 7-14 hours
 Recommendations: RLS 4396, MGT 3305, 3340, PSY 4312, SWO 3313 or 3382, SOC
 3322 or 4381

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)

PUBH 5337	Public Health Concepts in Epidemiology (3 credit hours)
PUBH 5350	Assessment and Planning in Public and Community Health (3 credit hours)
PUBH 5360	Evaluation in Public and Community Health (3 credit hours)
PUBH 5V94	Practicum (3 credit hours, permission required)
PUBH 5V90	Internship (6 credit hours, permission required)

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.



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.

HONORS COLLEGE ADMINISTRATION

Douglas V. Henry, Ph.D., Dean
Julia Hejduk, Ph.D., Associate Dean

BAYLOR INTERDISCIPLINARY CORE

Anne-Marie Schultz, Ph.D., 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

Phillip J. Donnelly, Ph.D., Director

HONORS PROGRAM

Elizabeth C. Corey, Ph.D., Director
Albert Beck, Ph.D., Assistant Director of the
Honors Program
Charles A. McDaniel, Ph.D., Faculty Assistant
Director
Mary Z. Moore, M.A., Academic Advisor

UNIVERSITY SCHOLARS PROGRAM

Jeffrey M. Hunt, Ph.D., Interim Director
Scott H. Moore, Ph.D., Associate Director
Ginger F. Hanchey, Ph.D., Assistant Director
Eric C. Martin, Ph.D., Assistant Director
Sarah W. Walden, Ph.D., Assistant Director
Charmaine L. Dull, M.A., Program Coordinator

HONORS RESIDENTIAL COLLEGE

Courtney I. DePalma, M.A., Program Director
Jason D. Whitt, Ph.D., Faculty Steward

HONORS COLLEGE FACULTY

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. Whitenton, 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

Baylor Interdisciplinary Core	Dr. Nogalski, Mr. Adam Moore, Mr. Chris Moore
Great Texts Program	Dr. Donnelly
Honors Program	Dr. E. Corey, Dr. Beck, Ms. Marcum, Mrs. M. Moore, Dr. McDaniel
University Scholars Program	Dr. J. Hunt, Dr. S. Moore, Dr. G. Hanchey, Dr. E. Martin, Dr. S. Walden, Ms. Dull

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

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.

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

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 forty-four 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.

BACHELOR OF ARTS (BIC), BACHELOR OF SCIENCE (BIC), BACHELOR OF FINE ARTS (BIC), BACHELOR OF AVIATION SCIENCE (BIC)

COLLEGE OF ARTS & SCIENCES

- I. Minimum requirement 124 sem. hrs.
- II. Residence requirement—minimum 60 hrs.
- III. Grade point average—minimum of 2.00 (“C”) overall and in the major, for work done at Baylor.
- IV. Interdisciplinary core requirements 41 hrs.
 - A. World Cultures: BIC 1314, 1324, 2334, 2344 12 hrs.
 - B. The World of Rhetoric: BIC 1413, 1323 7 hrs.
 - C. The Social World: BIC 2330, 2340 6 hrs.
 - D. The Natural World: BIC 2437, 2447 8 hrs.

Students may petition two laboratory science courses required by their major from the approved list.

 - E. The Examined Life: BIC 1212, 3358, 4374 or 4389 8 hrs.
- V. Additional core requirements
 - A. Formal Reasoning 3 hrs.
 - B. Foreign language and Culture - *two to four courses* 8 to 12 hrs.

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:

 - 1. OPTION ONE:

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.
 - 2. 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.
3. 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.
- ***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.
- C. Creative Arts Experiences-four events.....no credit
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.
- D. Chapel—two semesters, usually freshman year..... no credit
- VI. 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.
- VII. Minor
Optional, may elect one or more minors. Specific requirements in departmental sections of this catalog.
- VIII. Advanced work (“3000” or “4000” numbered courses) minimum36 hrs.
- IX. 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.
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 SCIENCE (BIC)

ROBBINS COLLEGE OF HEALTH AND HUMAN SCIENCES

- I. Minimum requirements..... 124 sem. hrs.
- II. Basic requirements..... 47-50 hrs.
- III. Interdisciplinary core requirements 30 hrs.
- A. World Cultures: BIC 1314, 1324, 2334, 2344 12 hrs.
- B. The World of Rhetoric: BIC 1413, 1323..... 7 hrs.
- C. The Social World: BIC 2330, 2340..... 6 hrs.
- D. The Examined Life: BIC 1212, 3358..... 5 hrs.
- IV. Additional core requirements
- A. Foreign Languages and Cultures6-8 hrs.
At least 6 hours must be in residence.
- B. Formal Reasoning 3 hrs.
- C. Laboratory Science 7-8 hrs.
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.
- D. Lifetime Fitness, one activity course 1 hr.
- E. Chapel—two semesters, usually freshman year no credit
- V. FCS Core
- A. FCS 1104 (NSE).....1 hr.
- B. NUTR 2351 or 3314 as specified in the major.....3 hrs.
- C. CFS 1315 or 4356 as specified in the major.....3 hrs.
- D. Select one course from: FCS 1231, 3375, ADM 1241, 1300, ID 1332, 3313 or 3314, CFS

- 3350 may be used to meet this requirement for non-CFS majors.....2-3 hrs.
- VI. Major
See the section of this catalog on degrees offered for a list of majors; see departmental section for specific requirements.
- VII. Advanced work (3000 or 4000 numbered courses).....36 hrs.
- VIII. 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.”

BACHELOR OF SOCIAL WORK (BIC)

SCHOOL OF SOCIAL WORK

- I. Minimum requirements..... 124 sem. hrs.
- II. Residence requirement—minimum (including last thirty hours)..... 60 hrs.
- III. Grade point average—minimum 2.0 (“C”) overall for the university and 2.7 overall once accepted to the major.
- IV. Interdisciplinary core requirements 33 hrs.
- A. World Cultures: BIC 1314, 1324, 2334, 2344
- B. The World of Rhetoric: BIC 1413, 1323
- C. Social World: BIC 2330, 2340
- D. The Examined Life: BIC 1212, 3358
- E. Additional Course: BIC 4374 or 4389
- V. Additional core requirements
- A. Foreign Languages and Cultures.....8-12 hrs.
At least 6 hours must be in residence.
Note: It is strongly recommended that the language requirement be started during the first year of residence work.
- B. Formal Reasoning.....3 hrs.
- C. Laboratory Science 8 hrs.
NSC 1306/1106 and BIO 1401 or BIO 1305/1105
- D. ECO 3355 3 hrs.
- E. Philanthropy and Public Service: PPS 1100..... 1 hr.
- F. Chapel—two semesters, usually freshman year
- VI. Major—See departmental section of this catalog for specific requirements for the social work degree.
- VII. 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.”

BACHELOR OF BUSINESS ADMINISTRATION (BIC)

HANKAMER SCHOOL OF BUSINESS

- I. Minimum requirements..... 124 sem. hrs.
- II. Residence requirement—minimum (including the last thirty hours)..... 60 hrs.
- III. 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.)
- IV. Interdisciplinary core requirements 34 hrs.
- A. World Cultures: BIC 1314, 1324, 2334, 2344..... 12 hrs.
- B. The World of Rhetoric: BIC 1413, 1323 7 hrs.
- C. The Social World: BIC 2330, 2340 6 hrs.
- D. The Natural World: BIC 2437 or 2447 4 hrs.
- E. The Examined Life: BIC 1212, 3358 5 hrs.
- V. Additional core requirements
- A. Communication option 3 hrs.
Choose one of the following options:

- JOU/FDM 3372, ENG 3000-4000 level course, or Foreign Language
- B. MTH 1308 or MTH 1320 and 1309 or 1321..... 3 hrs.
- C. Chapel-two semesters, usually freshman year..... no credit
- VI. Business core requirements..... 36 hrs.
 - A. ACC 2303, 2304..... 6 hrs.
 - B. BUS 1101, 1201, 1350, 2101, 3101, 3315, 4385 14 hrs.
 - C. BL 3305 3 hrs.
 - D. ECO 2306, 2307 6 hrs.
 - E. FIN 3309 or FIN 3310..... 3 hrs.
 - F. MIS 3305 3 hrs.
 - G. MGT 3305, 3325 6 hrs.
 - H. MKT 3305 3 hrs.
 - I. QBA 2302, 3305..... 6 hrs.
- VII. Major..... 12 hrs. minimum
See School of Business section of this catalog for specific requirements.
- VIII. 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.
- IX. Business School Admission 60 hrs.
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.

BACHELOR OF BUSINESS ADMINISTRATION (BIC)
BAYLOR BUSINESS FELLOWS
HANKAMER SCHOOL OF BUSINESS

- I. Minimum requirement 124 sem. hrs.
- II. Residence requirement..... 60 hrs.
- III. Grade point average–minimum of 3.5
- IV. Interdisciplinary core requirements 30 hrs.
 - A. World Cultures: BIC 1314, 1324, 2334, 2344..... 12 hrs.
 - B. World of Rhetoric: BIC 1413, 1323 7 hrs.
 - C. Social World: BIC 2330, 2340 6 hrs.
 - D. Examined Life: BIC 1212, 3358 5 hrs.
- V. Business Fellows requirements
 - A. Chapel–two semesters no credit
 - B. Analytics..... 9 hrs.
 - C. Business..... 27-33 hrs.
 - D. Specialization (related concentration or second major) 18-36 hrs.
 - E. Electives 15-47 hrs.
 - F. At least 31 hours of credit must be earned through the Hankamer School of Business.
 - G. At least 31 hours of credit must be earned outside of the Hankamer School of Business and the BIC.
- VI. Advanced work (“3000” or “4000” numbered courses)..... 36 hrs.

BACHELOR OF SCIENCE IN EDUCATION (BIC)
SCHOOL OF EDUCATION

- I. Minimum requirements..... 124 sem. hrs.
- II. Residence requirement–minimum (including the last thirty hours) 60 hrs.
- III. Grade point average–minimum of 2.6 overall and also in the major for work done at Baylor.
- IV. Interdisciplinary core requirements 38 hrs.
 - A World Cultures: BIC 1314, 1324, 2334, 2344..... 12 hrs.

- B. The World of Rhetoric: BIC 1413, 1323 7 hrs.
- C. The Social World: BIC 2330, 2340 6 hrs.
- D. The Natural World: BIC 2437, 2447 8 hrs.
- E. The Examined Life: BIC 1212, 3358 5 hrs.
- V. Additional core requirements
 - A. Foreign Language 3-8 hrs.
Requirement may be completed by one of the following combinations:
 - 1. Second semester proficiency in Modern or Classical language
 - B. Mathematics 6 hrs.
See the School of Education section of this catalog for specific requirements.
 - C. Chapel—two semesters, usually freshman year no credit
- VI. For Academic Majors and Professional Education Courses, see the School of Education section of this catalog for specific requirements.

BACHELOR OF SCIENCE IN ENGINEERING (BIC)

SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

- I. Minimum requirements..... 136 sem. hrs.
- II. Residence requirement—minimum (including the last thirty hours) 60 hrs.
- III. 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.
- IV. Interdisciplinary core requirements 27 hrs.
 - A. World Cultures: BIC 1314, 1324, 2334, 2344..... 12 hrs.
 - B. The World of Rhetoric: BIC 1413 4 hrs.
 - C. The Social World: BIC 2330, 2340 6 hrs.
 - D. The Examined Life: BIC 1212, 3358 5 hrs.
- V. Additional Humanities and Social Sciences 3-8 hrs.
 - A. Foreign language 3-8 hrs.
Second level proficiency (at least 1302, 1402, or 1412) must be achieved.
 - B. Chapel—two semesters, usually freshman year..... no credit
- VI. Mathematics and Basic Sciences 32 hrs.
 - A. CHE 1301 3 hrs.
 - B. MTH 1321, 1322, 2311, 2321, 3325, STA 3381 18 hrs.
 - C. PHY 1420, 1430 8 hrs.
 - D. Other Mathematics or Basic Science course 3 hrs.
(MTH 4329 is required for Electrical and Computer Engineering major.)
(MTH 3326 is required for the Mechanical Engineering major.)
- VII. Other requirements
 - A. PWR 3300 3 hrs.
 - B. ECO 3308 3 hrs.
 - C. Ethics Elective EGR 3305 or EGR 3315..... 3 hrs.
(Note: BSE Program requires EGR 3305.)
 - D. Lifetime Fitness, one activity course..... 1 hr.
(Note: PUBH 1145 will not meet this requirement.)
- VIII. Major..... 64 hrs.
See the Department of Engineering section of this catalog for specific requirements.

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BIC)

SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

- I. Minimum requirements..... 124 sem. hrs.
- II. Residence requirement—minimum (including the last thirty hours) 60 hrs.
- III. Grade point average—minimum of 2.00 (“C”) overall and also in the major for work done at Baylor.

IV. Interdisciplinary core requirements	27 hrs.
A. World Cultures: BIC 1314, 1324, 2334, 2344.....	12 hrs.
B. The World of Rhetoric: BIC 1413	4 hrs.
C. The Social World: BIC 2330, 2340	6 hrs.
D. The Examined Life: BIC 1212, 3358	5 hrs.
V. Additional core requirements	
A. PWR 3300	3 hrs.
B. CSS 3308	3 hrs.
C. Foreign language	3-7 hrs.
Second-level proficiency (at least 1302, 1402, or 1412) must be achieved.	
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)	
D. Chapel—two semesters, usually freshman year	no credit
VI. Technical core requirements	
A. Mathematics	12 hrs.
1. MTH 1321, 1322, STA 3381.	
2. One course from MTH 2311 or 2321.	
B. Sciences	12-16 hrs.
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.	
1. BIO 1305-1105 and 1306-1106.	
2. CHE 1301 and 1302.	
3. GEO 1405 and 1406.	
4. PHY 1408 and 1409, or 1420 and 1430.	
VII. Major.....	44 hrs.
See the Engineering and Computer Science B.S.C.S. degree section of this catalog for specific requirements.	
VIII. Minor	
Optional, see specific requirements in departmental sections of this catalog.	
IX. 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.	

BACHELOR OF SCIENCE IN INFORMATICS (BIC)
SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

I. Minimum requirements.....	124 sem. hrs.
II. Residence requirement—minimum (including the last thirty hours)	60 hrs.
III. Grade point average—minimum of 2.00 (“C”) overall and also in the major for work done at Baylor.	
IV. Interdisciplinary core requirements	27 hrs.
A. World Cultures: BIC 1314, 1324, 2334, 2344.....	12 hrs.
B. The World of Rhetoric: BIC 1413	4 hrs.
C. The Social World: BIC 2330, 2340	6 hrs.
D. The Examined Life: BIC 1212, 3358	5 hrs.
V. Additional core requirements	
A. PWR 3300	3 hrs.
B. Foreign language	3-6 hrs.
One language through 1302 or 1412	
C. Chapel—two semesters, usually freshman year	no credit
VI. Technical core requirements	29 hrs.
A. MTH 1321	3 hrs.
B. STA 2381 or 3381	3 hrs.
C. CHE 1301, 1101, 1302, 1102, 3238, 3331, 3332	16 hrs.

- VII. Major..... 58 hrs.
See the Engineering and Computer Science B.S.I. degree section of this catalog for specific requirements.
- VIII. The requirements for a minor, advanced credit, and maximum credit are the same as for the Bachelor of Science in Computer Science degree.

BACHELOR OF MUSIC (BIC)

SCHOOL OF MUSIC

- I. Minimum requirements.....125-135 sem. hrs.
- II. Residence requirement—minimum (including the last thirty hours) 60 hrs.
- III. Grade point average—minimum of 2.00 (“C+”) overall, and also in the major for work done at Baylor.
- IV. Interdisciplinary core requirements 30-38 hrs.
- A. World Cultures: BIC 1314, 1324, 2334, 2344..... 12 hrs.
- B. The World of Rhetoric: BIC 1413, 1323 7 hrs.
- C. The Social World: BIC 2330, 2340* 6 hrs.
- D. The Natural World: BIC 2437, 2447* 8 hrs.
- E. The Examined Life: BIC 1212, 3358 5 hrs.
- V. Additional core requirements
- A. Modern Languages and Cultures..... 6-16 hrs.
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 12-16 hrs.
- B. Chapel—two semesters, usually freshman year no credit
- VI. Music core requirements..... 31 hrs.
- 1301, 1101, 1302, 1102, 2301, 2101, 2302, 2102, 3301, 3324, 3325, 3326, 3327, and six semesters of 1001.
- VII. Electives
- See the School of Music section of this catalog for specific requirements.
- VIII. Major
- See School of Music section of this catalog for specific requirements.

**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

- I. Minimum requirements.....148-150 sem. hrs.
- II. Residence requirement—minimum (including the last thirty hours) 60 hrs.
- III. Grade point average—minimum of 2.50 (“C”) overall and also in the major for work done at Baylor.
- IV. Interdisciplinary core requirements 38 hrs.
- A. World Cultures: BIC 1314, 1324, 2334, 2344..... 12 hrs.
- B. The World of Rhetoric: BIC 1413, 1323 7 hrs.
- C. The Social World: BIC 2330, 2340 6 hrs.
- D. The Natural World: BIC 2437, 2447 8 hrs.
- E. The Examined Life: BIC 1212, 3358 5 hrs.
- V. Additional core requirements
- A. Chapel—two semesters, usually freshman year no credit

- VI. Music core requirements..... 31 hrs.
 MUS 1301, 1101, 1302, 1102, 2301, 2101, 2302, 2102, 3301, 3324, 3325, 3326, 3327, and six semesters of 1001.
- VIII. 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.

BACHELOR OF SCIENCE IN NURSING (BIC) SCHOOL OF NURSING

- I. Minimum requirements..... 131 sem. hrs.
- II. Grade point average—minimum of 2.00 (“C”) overall and in the major for work done at Baylor.
- III. Interdisciplinary core requirements 38 hrs.
- A. World Cultures: BIC 1314, 1324, 2334, 2344..... 12 hrs.
- B. The World of Rhetoric: BIC 1413, 1323 7 hrs.
- C. The Social World: BIC 2330, 2340 6 hrs.
- D. The Examined Life: BIC 1212, 3358 5 hrs.
- IV. 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 which 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 foundational study for any traditional humanities discipline, and students in the sciences will find this major to offer opportunity to read broadly in the history of human thought, including the history of science.

B.A. Degree

Requirements for a Major in Great Texts of the Western Tradition

- I. All specific and group requirements for the Bachelor of Arts degree.
- II. Thirty semester hours including the following:
 - A. Great Text Core (21 semester hours):
 1. GTX 2301: Intellectual Traditions of the Ancient World: Literature and Thought in Context
 2. GTX 2302: Medieval Intellectual Traditions: Literature and Thought in Context
 3. GTX 3320: Middle Ages
 4. GTX 3321: Early Modern Age
 5. GTX 4320: Eighteenth and Nineteenth Centuries
 6. GTX 4321: Twentieth Century
 7. GTX 4343: Great Texts Capstone Course
 - B. Great Texts Concentration: Complete One Sequence
 1. Sequence I: (9 semesters hours)
 Nine additional semesters hours of GTX with at least six hours from the 3000-4000 level.
 2. Sequence II: Pre-Law Concentration (9 semester hours)
 - a. GTX 3350 Great Texts in Leadership
 - b. GTX 4351 Confession and Autobiography
 - c. Three hours of any level GTX electives. Students may also fulfill their three-hour elective requirement through the following courses: ENG 4309, HIS 4375,

HIS 4395, HIS 4396, PHI 3301, PHI 4318, PSC 3353, PSC 3363, PSC 3373
PSC 4383, REL 4393, REL 4395.

3. Sequence III: Pre-Medicine Concentration (9 semester hours)
 - a. GTX 3343 Great Texts in the Origins of Science
 - b. GTX 4341 Great Texts in Modern Science
 - c. Three hours of any level GTX electives. Students may also fulfill their three-hour elective requirement through the following courses: HIS 4300, MH 4300, MH 4325, MH 4363, MH 4395, PHI 4300, PHI 4363, REL 4395.
4. Sequence IV: Liberal Arts Concentration (9 semester hours)
 - a. GTX 3360 Great Texts on the Principles of the Liberal Arts
 - b. GTX 3361 Great Texts in the Practice of the Liberal Arts
 - c. GTX 4360 Internship in the Liberal Arts
5. Sequence V: Pre-Seminary Concentration (9 semester hours)
 - a. GTX 3331: Great Texts in Christian Spirituality
 - b. GTX 4331: Augustine and Aquinas
 - c. GTX 4332: Masterworks in Theology

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.

Requirements for a Secondary Major in Great Texts

Thirty semester hours including the following:

- A. Six semester hours:
 1. GTX 2301: Intellectual Traditions of the Ancient World: Literature and Thought in Context
 2. GTX 2302: Medieval Intellectual Traditions: Literature and Thought in Context
- B. Fifteen semester hours including:
 1. GTX 3320: Middle Ages
 2. GTX 3321: Early Modern Age
 3. GTX 4320: Eighteenth and Nineteenth Centuries
 4. GTX 4321: Twentieth Century
 5. GTX 4343: Great Texts Capstone Course
- C. Nine additional semester hours of GTX at least six of which are at the 3000-4000 level.

Requirements for a Minor in Great Texts of the Western Tradition

Eighteen semester hours including the following:

- A. At least one course from GTX 2301, 2302.
- B. At least twelve semester hours of GTX at least nine of which are at the 3000-4000 level.

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: CLA 2301, CLA 2302, CLA 2306, and GTX 2301.

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>

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' background 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. 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

In order that students derive 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 criteria for admission into the University Scholars Program:

1. Responses to the four 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 (including recommendation letters) 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.

Degree Requirements

- REL 1310 and REL 1350
- Two semesters of Chapel
- GTX 2301, GTX 2302, and UNSC 3301 (University Scholars capstone course)
- UNSC 3001 (Exit Interview)
- Thesis preparation courses HON 3100 (Advanced Readings and Research) and HON 3101 (Advanced Readings and Research), HON 4V87 (Thesis) for 4 hours, and HON 4088 (Honors Exit Review)
- Completion of at least 90 Baylor credit hours as a University Scholar

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."

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 Scholar 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, GTX 2302, and UNSC 3301. Completion

School of Music



SCHOOL OF MUSIC FACULTY AND STAFF

Gary Mortenson, D.M.A.	Dean
Randall Umstead, 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

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 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.
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 Robin Wallace, Ph.D.
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 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.
 Jen Stephenson, D.M.A.

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 Isabelle Demers, D.M.A.
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 Kae Hosoda-Ayer, D.M.A.
 Terry Lynn Hudson, D.M.A.
 Krassimira Jordan, M.M.A.
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Jamie Van Eyck, D.M.A., Director
 Robert L. Best, D.M.A.
 Mark Diamond, D.M.A.
 Joseph Li, M.M.
 Kimberly Monzón, D.M.A.
 Jeffrey Peterson, D.M.A.
 Amy Petrongelli, D.M.A.
 Randall Umstead, D.M.A.
 Deborah Williamson, D.M.A.

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
Christina Hebert, B.A., Budget Assistant
McKenna Lalani, M.Ed., Undergraduate Academic Programs Manager
Alison Larson, M.A., M.L.S., Public Services Coordinator, Crouch Fine Arts Library
Teresa Reid, Administrative Associate, Keyboard Studies Division
Darren Roos, B.A., Piano Technician II
Mary Sage, M.M., Admissions and Recruiting Coordinator
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
Craig Waldrop, Piano Technician Specialist

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

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 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.

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 applied music, church music, history and literature, piano pedagogy, music theory, and composition. The Bachelor of Music is a professional degree.

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.

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.

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.

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.

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 a 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.

Responsibility for curriculum and degree planning lies with the student, whose advisor, in conjunction with the Dean's Office, will provide guidance and advice.

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

An entrance test in music theory to determine the student's background and readiness for admission to Music Theory 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:

1—Undergraduate	3—Advanced Undergraduate	5—Graduate
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The second digit indicates the amount of credit in semester hours. It is followed by a letter indicating the instrument "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:

K1 for piano	W1 for flute	B1 for trumpet
K2 for organ	W2 for oboe	B2 for horn
K3 for harpsichord	W3 for clarinet	B3 for trombone
K4 for carillon	W4 for bassoon	B4 for euphonium
K5 for accompanying	W5 for saxophone	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:

MUS 1131 Class piano (grade level Is)

MUS 1132 Class piano (grade level IIs)

MUS 1133 Class piano (grade level IIIs)

MUS 1124 Class voice (generally for non-performance majors)

MUS 1125 Class piano (instruction for non-music majors)

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.

Recital Attendance

All B.M., B.M.E., and B.A. (music) majors must successfully complete six semesters of MUS 1001 (0 hours credit, graded Pass/Fail). MUS 1001 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 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.

BACHELOR OF MUSIC

- I. Total Hours for Degree A minimum of 124 sem. hrs.
- II. Residence requirement—minimum 60 hrs.
- III. Grade point average—minimum of 2.00 overall, and also in the major for work done at Baylor.
- IV. Basic requirements.....32-39 hours
 - A. Chapel—two semesters.....2 semesters
 - B. Creative Arts Experience—twelve events ... 12 events; 0 hrs.
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
 - C. Literature in Context.....3 hours
Select 3 hours from the School of Music Literature in Context distribution list.
 - D. History—HIS 1300, 1305, or 1307.....3 hours
BM church music majors may take HIS 2365 or 2366
 - E. Political Science—PSC 1387.....3 hours
 - F. Religion—REL 1310 and 1350... 6 hours
 - G. Foreign Languages and Culture: minimum of 6 hours from the SOM Foreign Language and Cultural Competency distribution list.....6 to 12 hours
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).
 - H. Formal Reasoning -or- Scientific Method I: Course w/Lab Experience.....3-4 hrs.
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.
 - I. Research Writing—ENG 1310 and PWR 3300, 3303, or 3318.....6 hours
 - J. Lifetime Fitness, two activity courses..... 2 hours
Voice majors must fulfill this requirement by taking LF 1197 and one of the following courses: LF 1106, LF 1107, LF 1110, LF 1111, LF 1117, LF 1118, LF 1119, LF 1130, LF 1147, LF 1148, LF 1176, LF 1192, LF 1194, LF 1195, LF 1198, LF 1199.
 - V. Electivesoptional; may be required to reach 124 sem. hr. minimum

Distribution lists appear at the end of the School of Music section of this catalog

MUSIC CORE FOR BACHELOR OF MUSIC DEGREE

- Must have a grade of "C" or above in the following courses:
MUS 1301, MUS 1101, MUS 1302, MUS 1102, MUS 2301, MUS 2101
- Undergraduate majors in music theory must make a grade of "B" or above in the following courses:
MUS 1301, MUS 1101, MUS 1302, MUS 1102, MUS 2301, MUS 2101,
MUS 2302, MUS 2102
- Undergraduate majors in music history and literature must make a grade of "B" or above in the following courses:
MUS 1301, MUS 1101, MUS 1302, MUS 1102, MUS 2301, MUS 2101, MUS 2302, MUS 2102, MUS 3324, MUS 3325, MUS 3326, MUS 3327

	sem. hrs.
MUS 1301 Theory I	3
MUS 1101 Musicianship I	1

MUS 1302 Theory II.....3

MUS 1102 Musicianship II1

MUS 2301 Theory III.....3

MUS 2101 Musicianship III1

MUS 2302 Theory IV3

MUS 2102 Musicianship IV1

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 Present3

MUS 1001 Recital Attendance.....6 semesters

Total Music Core Hours31

Bachelor of Music Degree

Requirements for a Major in Applied Music – Woodwinds

Flute, Oboe, Clarinet, Bassoon, Saxophone

Fifty-two semester hours including:

- A. MUS 2260 and MUS 4335.
- 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.
- C. Four semester hours secondary applied (Piano Level IIs). Must have a grade of “C” or above in all secondary piano courses.*
- D. A minimum of eight semester hours of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- E. Four to six semester hours of chamber music.**
- F. Junior and senior recitals.
- G. Five to seven semester hours classroom music courses** (see list following B.M. requirements).

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

**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.

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.

Requirements for a Major in Applied Music – Brass

Trumpet, Horn, Trombone, Euphonium, Tuba

Fifty-two semester hours including:

- A. MUS 2260 and MUS 4336
- 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.
- C. Four semester hours secondary applied (Piano Level IIs). Must have a grade of “C” or above in all secondary piano courses.*
- D. A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.

- E. Four to six semester hours of chamber music.**
- F. Junior and senior recitals.
- G. Five to seven semester hours classroom music courses** (see list following B.M. requirements).

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

**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.

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.

Requirements for a Major in Applied Music – Strings

Violin, Viola, Cello, Bass, Harp

Fifty-four semester hours including:

- A. MUS 2260, MUS 4334 and MUS 4321.
- 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.
- C. 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.)
- D. A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- E. Four to six semester hours of chamber music. Bowed strings, four semester hours of MUEN 1130. Harp majors, six semester hours of MUEN 1134.
- F. Junior and senior recitals
- G. Four semester hours of Orchestral Excerpts repertoire courses.
- H. Two semester hours selected from the following: Bowed Strings only - MUEN 1120 Early Music ensemble, MUEN 1106 Jazz ensemble (Double Basses only), MUEN 1130 String Chamber Music

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

Requirements for a Major in Applied Music – Percussion

Fifty-two semester hours including:

- A. MUS 2260 and MUS 4333
- 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.
- C. Four semester hours secondary applied (Piano Level IIs). Must have a grade of “C” or above in all secondary piano courses.*
- D. A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- E. Four to six semester hours of chamber music.**
- F. Junior and senior recitals.
- G. Five to seven semester hours classroom music courses** (see list following B.M. requirements).

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

**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.

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.

Requirements for a Major in Applied Music – Piano

Fifty-four semester hours including:

- A. MUS 3312, 4317, 4322, 4324.
- B. 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.
- C. Four semester hours secondary applied.
- D. Two semesters MUEN 1137.
- E. A minimum of eight semester hours of ensemble from the following courses: MUEN 1136 (four to six semesters); MUEN 1130 or 1135 (0 to two semesters); choir, band, orchestra (two semesters); enrollment in ensemble required for every term in residence.
- F. Junior and senior recitals.

Supportive Courses:

Thirty-one semester hours music core.

Requirements for a Major in Applied Music – Organ

Fifty-seven semester hours including:

- A. MUS 4210, 4213, 4343, 4344.
- B. 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.
- C. Four semester hours secondary applied (Piano Level IVs). Must have a grade of "C" or above in all secondary piano courses.*
- D. A minimum of eight semester hours of ensemble (two to four hours in MUEN 1136 and four hours in a choral ensemble); enrollment in ensemble required for every term in residence.
- E. Junior and senior recitals.
- F. Three semester hours classroom music courses** (see list following B.M. requirements).

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

Requirements for a Major in Applied Music – Voice

Fifty to fifty-five semester hours including:

- A. MUS 1150, 1151, 1152, 2260, 4120, 4220, 4221, 4299, 4327, 4329. Must have a grade of "C" or above in MUS 1150, 1151, and 1152.
- B. 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.
- C. Two to four semesters of MUS 4151.
- D. One to four semester hours secondary applied (Piano Level IVs). Must have a grade of "C" or above in all secondary piano courses.*
- E. A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- F. Two semesters of MUEN 1104.
- G. Junior and senior recitals.

H. Three semester hours classroom music courses.

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

Requirements for a Major in Piano Pedagogy

Fifty-eight semester hours including:

- A. MUS 3312, 3313, 4114, 4115, 4317, 4322, 4324, PSY 1305.
- B. 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.
- C. Two semester hours secondary applied.
- D. Two semesters MUEN 1137.
- E. A minimum of eight semester hours of ensemble from the following courses: MUEN 1136 (four to six semesters); MUEN 1130 or 1135 (0 to two semesters); choir, band, orchestra (two semesters); enrollment in ensemble required for every term in residence.
- F. Recital in senior year.

Supportive Courses:

Thirty-one semester hours music core.

Requirements for a Major in Church Music, Voice Emphasis

Fifty-seven to sixty-two semester hours including:

- A. MUS 2260, 2370, 3261, 3370, 3377, 3378, 4270, 4373, 4374, 4375, and two semester hours from the following courses: MUS 1150, 1151, or 1152.
- B. 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.
- C. Zero to four hours secondary applied (Piano Level IVs). Must have a grade of "C" or above in all secondary piano courses.*
- D. MUS 3170 or Guitar Proficiency.
- E. A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- F. Four semester hours additional ensembles.
- G. Junior-level recital in senior year.
- H. Enrollment in MUS 1007 is required for every term in residence.

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

Requirements for a Major in Church Music, Keyboard Emphasis

Sixty-one to sixty-three semester hours including:

- A. MUS 2260, 2370, 3261, 3370, 3377, 3378, 4270, 4373, 4374, 4375, and two to three semester hours from the following courses: MUS 4213 (organ concentration) and 3312 (piano concentration).
- B. 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.
- C. Four semester hours Applied Voice (organ concentrations, also Piano Level IVs).
- D. MUS 3170 or Guitar Proficiency.
- E. A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.

- F. Four semester hours additional ensembles.
- G. Junior-level recital in senior year.
- H. Enrollment in MUS 1007 is required for every term in residence.

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

Requirements for a Major in Church Music, Instrumental Emphasis

Fifty-nine to sixty-four semester hours including:

- A. MUS 2260, 2370, 3261, 3370, 3377, 3378, 4270, 4373, 4374, and 4375.
- B. 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.
- C. Four semester hours applied voice.
- D. Zero to four semester hours secondary applied (Piano Level IVs). Must have a grade of "C" or above in all secondary piano courses.*
- E. MUS 3170 or Guitar Proficiency.
- F. A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- G. Four semester hours additional ensembles.
- H. Junior-level recital in senior year.
- I. Enrollment in MUS 1007 is required for every term in residence.

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

Requirements for a Major in Composition

Fifty-nine semester hours including:

- A. MUS 1107, 1108, 1331, 2207, 2208, 2260, 3306, 3307, 3308, 4203, 4204, 4304, 4305, 4307, 4308.
- B. 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.*
- C. A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- D. Recital of original works as part of MUS 40C1.
- E. Three semester hours classroom music courses** (see list following B.M. requirements).

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

Requirements for a Major in Music History and Literature

Fifty-three semester hours including:

- A. MUS 2260, 3306, 3321, 4280, 4304, 4321, one course to be selected from 4326 or 4345, one course to be selected from 4322 or 4325, one course to be selected from 3322, 3323, 4342, or 4381, and two courses to be selected from MUS 3322, 3323, 4320, 4322, 4325, 4326, 4342, 4345, 4360, 4361, 4362, 4363, 4364, 4365, or 4381.
- B. 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.*

- C. A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- D. No recital requirement.
- E. Enrollment in MUS 1002 is required for every term in residence.

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

Requirements for a Major in Theory

Forty-four semester hours including:

- A. MUS 2260, 3207, 3306, 3307, 4205, 4280, 4301, 4304, 4305.
- 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.*
- C. A minimum of eight semesters of large ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- D. No recital requirement.
- E. Enrollment in MUS 1002 is required for every term in residence.
- F. Eleven semester hours classroom music courses** (see list following B.M. requirements).

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

Requirements for a Secondary Major in Instrumental Music Performance

Thirty-five semester hours including:

- A. Undergraduate Applied Music in Emphasis Area8 hrs.
- B. Advanced Undergraduate Applied Music in Emphasis Area8 hrs.
- C. Large Ensemble in Emphasis Area 8 hrs.
- D. Secondary Ensemble in Emphasis Area 4 hrs.
- E. MUS 1301 and MUS 1101 (Theory I and Musicianship I)* 4 hrs.
- F. MUS 3315 (Survey of Music Literature) 3 hrs.
- G. MUS 1001 (Recital Attendance) 4 semesters
- H. MUS 40** - Full Solo Recital pass/fail; zero credit

*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.

Requirements for a Secondary Major in Keyboard Music Performance

Thirty-five semester hours including:

- A. Undergraduate Applied Music in Emphasis Area8 hrs.
- B. Advanced Undergraduate Applied Music in Emphasis Area 10 hrs.
- C. Large Ensemble 2 hrs.
- D. Secondary Ensemble or Applied Music*..... 4 hrs.
- E. MUS 1301, 1101, 1302, 1102 (Theory I, II and Musicianship I, II)** 8 hrs.
- F. MUS 3315 (Survey of Music Literature) 3 hrs.
- G. MUS 1001 (Recital Attendance) 4 semesters

H. MUS 40** - Full Solo Recital pass/fail; zero credit

*Studio Accompanying; Piano Ensemble (for students whose emphasis area is organ substitute MUS 2113); Chamber Music. Up to two hours may be secondary study on another keyboard instrument.

**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.

CLASSROOM MUSIC COURSES

Classroom music hours may be selected from the following:

- MUS 2207 Elementary Composition I
- MUS 2208 Elementary Composition II
- MUS 3135 Special Learners in the Music Classroom
- MUS 3202 Choral Arranging and Composition
- MUS 3203 Arranging for Popular and Jazz Idioms
- MUS 3207 Composition
- MUS 3212 String Methods (For String Majors)
- MUS 3260 Instrumental Conducting
- MUS 3261 Choral Conducting
- MUS 3306 Orchestration
- MUS 3307 Intermediate Composition I
- MUS 3308 Intermediate Composition II
- MUS 3310 Jazz Improvisation
- MUS 3312 Piano Pedagogy I
- MUS 3313 Piano Pedagogy II
- MUS 3321 Music in World Cultures
- MUS 3322 History of American Popular Music - Folk, Pop, Theatre, Jazz, Rock
- MUS 3323 History of Jazz
- MUS 4203 Electronic Studio
- MUS 4204 Advanced Orchestration
- MUS 4205 Theoretical Systems
- MUS 4210 Organ Methods
- MUS 4219 Marching Band/Jazz Pedagogy
- MUS 4236 Performer Wellness
- MUS 4237 Entrepreneurship in Music
- MUS 4260 Orchestral Conducting
- MUS 4261 Advanced Choral Conducting
- MUS 4262 Band Conducting
- MUS 4301 Advanced Analysis
- MUS 4304 Counterpoint
- MUS 4305 Advanced Counterpoint

MUS 4307	Advanced Composition I
MUS 4308	Advanced Composition II
MUS 4316	Advanced Piano Pedagogy and Practicum II
MUS 4317	Piano Pedagogy III
MUS 4321	Symphonic Literature
MUS 4322	Piano Literature I
MUS 4324	Piano Literature II
MUS 4325	Opera Literature
MUS 4326	American Folk Music
MUS 4327	Song Literature I
MUS 4329	Song Literature II
MUS 4331	Band Literature
MUS 4333	Percussion Literature and Pedagogy
MUS 4334	String Chamber Literature
MUS 4335	Woodwind Literature and Pedagogy
MUS 4336	Brass Literature and Pedagogy
MUS 4337	Choral Literature
MUS 4342	American Musical Theater
MUS 4343	Organ Literature I
MUS 4344	Organ Literature II
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 4365	Music and Identity in Texas Culture
MUS 4366	Performance Practices in World Music
MUS 4373	Worship in the Church
MUS 4374	The Song of the Church
MUS 4V09	Advanced Electronic Studio

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 Introduction to Music Education (MUS 1330). 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 Sophomore Evaluation. Standards required for admission to upper level music education courses must be maintained in subsequent enrollments.

BACHELOR OF MUSIC EDUCATION

I. Total Hours for Degree	A minimum of 124 sem. hrs.
II. Residence requirement—minimum (including the last thirty hours)	60 hrs.
III. Grade point average—minimum of 2.75 overall and also in music for work done at Baylor.	
IV. Must have a grade of “C” or above in each of the following courses: MUS 1330, MUS 3132, MUS 3136, MUS 3232, MUS 3236, MUS 3331, MUS 3334, MUS 3337, MUS 4230, MUS 4F30/4F31	
V. Basic requirements.	39 hours
A. Chapel—two semesters.	2 semesters
B. Creative Arts Experience—twelve events	12 events; 0 hrs.
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	
C. Literature in Context	3 hours
Select 3 hours from the School of Music Literature in Context distribution list.	
D. History—HIS 1300, 1305, or 1307.	3 hours
E. Political Science—PSC 1387	3 hours
F. Religion—REL 1310 and 1350	6 hours
G. Foreign Languages and Culture: minimum of 3 hours from the SOM Foreign Language . . and Cultural Competency distribution list.	3 hours
H. Formal Reasoning—one course	3 hours
Select 3 hours from the Formal Reasoning distribution list.	
I. Research Writing—two courses	6 hours
ENG 1310 and PWR 3300, 3303, or 3318	
J. Scientific Method I: Course with Laboratory Experience	4 hours
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.	
K. EDP 2336.	3 hours
L. EDC 3309	3 hours
M. Lifetime Fitness, two activity courses	2 hours
VI. Professional Education.	18 hours
A. MUS 1330.	3 hours
B. MUS 1331.	3 hours
C. MUS 3001.	1 semester
D. MUS 4001.	1 semester
E. MUS 4230.	2 hours
F. MUS 4F30 or 4F31	10 hours

Distribution lists appear at the end of the School of Music section of this catalog

MUSIC CORE FOR BACHELOR OF MUSIC EDUCATION DEGREE

Must have a grade of “C” or above in each of the following courses:

MUS 1301, MUS 1101, MUS 1302, MUS 1102, MUS 2301, MUS 2101

	sem. hrs.
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	6 semesters
Total Music Core Hours.....		31 hrs.

BACHELOR OF MUSIC EDUCATION

Requirements for a Major in Choral Music, Voice Concentration

Forty-one to forty-four semester hours including:

- A. MUS 1150, 1151, 1152, 2260, 3132, 3232, 3261, 3331, 4337, and MUS 3334 or 3337.
- 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.
- C. One to four semester hours secondary applied (Piano Level IVs). Must have a grade of "C" or above in all secondary piano courses.*
- D. 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.
- E. BME Recital

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

Requirements for a Major in Choral Music, Keyboard Concentration

Forty-one to forty-four semester hours including:

- A. MUS 1150, 1151, 1152, 2260, 3132, 3232, 3261, 3331, 4337, and MUS 3334 or 3337.
- 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.
- C. 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.*
- D. 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.
- E. BME Recital.

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

Requirements for a Major in Instrumental Music, String Concentration

Violin, Viola, Cello, Double Bass, Harp

Forty-four semester hours including:

- A. MUS 1216, 2260, 3212, 3260, 3136, 3236, and four hours in class instruments (1117, 1118, 1120, 1121).
- 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.
- C. Four semester hours secondary applied (Piano Level IIs). Must have a grade of "C" or above in all secondary piano courses.*
- D. 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.
- E. Four semester hours chamber music.
- F. BME Recital.

Supportive Courses:

Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

Requirements for a Major in Instrumental Music- Woodwind (Flute, Oboe, Clarinet, Bassoon, Saxophone), Brass (Trumpet, Horn, Trombone, Euphorium, Tuba), Percussion Concentrations

Forty-five semester hours including:

- A. MUS 1111, 1112, 1113, 1114, 1115, 1116, 1119, 2260, 3260, 3136, 3236, 4219 (percussion majors do not have to take MUS 1119).
- 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.
- C. Four semester hours secondary applied (Piano Level IIs). Must have a grade of "C" or above in all secondary piano courses.*
- D. 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.
- E. Four to five semester hours chamber music (four hours for woodwinds/brass and five hours for percussion).
- F. BME Recital

Supportive Courses:

A. Thirty-one semester hours music core.

*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

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:

- A. MUS 1301, 1101, 3315.
- B. Six hours of Classroom Music Courses.
- C. Eight hours of additional electives, selected from courses with MUS or MUEN prefix. MUS 1100, 1200, 1321 may not be selected as electives.
- D. Two semesters of MUS 1001.

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.

A. MUS 1301, 1101, 3315, 2260, 4373, 4374, 4375.

Must earn grade of "C" or higher in MUS 1301 and 1101.

B. Four hours of applied lessons (two hours of MUS 11V1 and Piano Level IIs).

C. Two hours of choral ensembles.

D. Two semesters of MUS 1001.

E. Four semesters of MUS 1007.

Requirements for a Bachelor of Arts in Music:

See the Arts and Sciences Intrauniversity Programs in this catalog.

DISTRIBUTION LISTS OF COURSE CHOICES:

Literature in Context Distribution List

CLA 2301, Literature of Ancient Greece

CLA 2302, Literature of Ancient Rome

CLA 2306, Greek and Roman Mythology

ENG 2301, British Literature

ENG 2306, World Literature

ENG 2310, American Literary Cultures

FRE 3312, Children's Literature in French

GTX 2301, Intellectual Traditions of the Ancient World: Literature and Thought

GTX 2302, Medieval Intellectual Traditions: Literature and Thought in Context

GTX 3341/THEA 3341, Master Works in Drama

PHI 2303, Philosophy in Literature

REL 3301, Psalms and Wisdom Literature

REL 3308, The Literature of the Pentateuch: Narrative, Poetry, Genealogy, and Law

SPA 3305, Introduction to Hispanic Literature

Formal Reasoning Distribution List

MTH 1301, Ideas in Mathematics

MTH 1320, Pre-calculus Mathematics

MTH 1321, Calculus I

PHI 1306, Logic

STA 1380, Elementary Statistics

Scientific Method I: Course with Laboratory Experience Distribution List

ANT 1404, Introduction to Human Evolution

ANT 1407, Introduction to Archaeology

BIO 1305 & BIO 1105, Modern Concepts of Bioscience & Lab

BIO 1306 & BIO 1106, Modern Concepts of Bioscience, continued, & Lab

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 & 1101, Basics Principles of Modern Chemistry I

CHE 1302 & 1102, Basic Principles of Modern Chemistry II

ENV1301 & ENV 1101, Exploring Environmental Issues & Lab

ENV 1303 & ENV 1103, Wildlife Ecology & Lab

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 & Lab
 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 Cultural Competency Distribution List

Modern Foreign Languages* 1301 (* includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA)
 Modern Foreign Languages* 1302 (* includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA)
 Modern Foreign Languages* 1412 (* includes: GER, SPA)
 Modern Foreign Languages* 2412 (* includes: GER, SPA)
 Modern Foreign Languages* 2310 (* includes: ARB, CHI, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA)
 Classical Languages* 1301 (* includes: GKC, HEB, LAT)
 Classical Languages* 1302 (* includes: GKC, HEB, LAT)
 Classical Languages* 2310 (* includes: GKC, HEB, LAT)
 ARB 2320, Arabic Popular Culture
 ANT 1305 Introduction to Anthropology
 ANT 1325 Introduction to Global Health
 ANT 2305 Cultural Anthropology in the Global Context
 ANT 3301 Science, Society, and Culture
 ANT 3340 Indigenous Cultures of Modern Mexico and Central America
 ANT 3350 Native North Americans
 ANT/AST 4310 Societies & Cultures of East Asia
 ANT/GEO 1310 Cultural Geography
 ANT/GEO 1310 Cultural Geography
 ANT/SOC 4320 Culture, Personality and Identity
 AST 2380, The Peoples and Culture of Asia
 AST 4388, Contemporary Chinese Society and Culture
 AST/HIS 3305 Traditional China
 AST/HIS 3307 Japan
 CHI 2320, Communication in Intermediate Chinese
 CHI 3305, Chinese for Business I
 CHI 3306, Chinese for Business II
 CHI 3310, Chinese Language and Culture Through Film
 CLA 3301, Roman Civilization
 CLA 3302, Greek Civilization
 CLA 3303, Hellenistic History and Civilization
 FAS 1311, Modern Languages, Cultures, and Global Communities
 FRE 1412, Accelerated Elementary French
 FRE 2320, Passport to the French-Speaking World
 FRE 2321, French for Health Professions
 FRE 3301, Advanced French Grammar
 FRE 3302, Conversational French
 FRE 3308, French and Francophone Pop Culture
 FRE 3310, Introduction to French Literature
 FRE 3330, Introduction to French Cinema
 FRE/FDM 4330 Survey of French Cinema

GER 2320, German for Modern Life
 GER 3301, German Conversation and Composition
 GER 3341, Introduction to German Culture: Germany in the Making
 GER 3345, Introduction to German Film: German Culture from Berlin to Hollywood
 GKC 2320, Intermediate Greek Poetry
 HEB 2320, Intermediate Hebrew II
 ITA 2320, Pathways in Italian Culture
 ITA 3301, Advanced Italian Grammar
 ITA 3302, Italian Conversation, Reading, and Composition
 ITA 3310, Introduction to Italian Literature
 ITA 3330, Italian Through Film
 JPN 2320, Explore Japan
 JPN 3301, Advanced Japanese I
 JPN 3302, Japanese Culture through Reading
 JPN 3305, Japanese for Business
 JPN 3306, Japanese Cinema
 JPN/THEA3 3352 Japanese Theatre and Culture
 KOR 2320, Intermediate Korean II
 LAS 1301 Latin American Nations and People
 LAS 2301, An Introduction to Latin American Studies
 LAT 2320, Intermediate Latin Poetry
 LING/ENG 3319 Language and Culture
 MES 2301, Introduction to the Middle East
 MUS 3321 Music in World Cultures
 MUS 4361 Traditional Music and Culture in Africa
 MUS 4362/AST 4362 Traditional Music and Culture in Asia
 MUS 4364/LAS 4364 Traditional Music and Culture in Latin America
 PHI 4331 Latin American Philosophy
 PHI 4341 Contemporary Continental Philosophy
 POR 2320, Exploring the Portuguese-Speaking World
 PSC 3315 Fundamentals of International Politics
 PSC 4303 International Human Rights
 PSC 4304 Governments and Politics of Latin America
 PSC 4305 International Law
 PSC 4314 Government and Politics of Mexico
 PSC 4325/AST 4325 Asian International Relations
 PSC 4334 Governments and Politics of the Middle East
 PSC 4344 Government and Politics of Russia
 PSC 4365 International Political Economics
 PSC/AST 3314 Politics and Problems of Developing Countries
 PSC/AST 4364 The Governments and Politics of Asia-Pacific Region
 PSC/AST 4374 Governments and Politics of East Asia
 REL 4343 Topics in Islam
 REL 4347 Topics in African Religions
 REL 4348 Modern Judaism
 REL/AST 3345 World Religions
 REL/AST 4346 Topics in Asian Religion
 RUS 2320, Russian Culture in Context
 RUS 3301, Russian Conversation and Composition
 SEES/HIS 2380 Intro to Slavic and East European Studies I
 SEES/HIS 2381 Intro to Slavic and East European Studies II
 SOC 3318 Mexican-Americans in U.S. Society
 SPA 1304, Elementary Spanish for Heritage Speakers
 SPA 2304, Spanish for Heritage Speakers
 SPA 2320, Exploring the Spanish-Speaking World
 SPA 2321, Intermediate Spanish for Medical Professions

SPA 2322, Spanish for Christian Ministry
SPA 2324, Spanish for Business
SPA 3302, Conversation and Composition
SPA 3309, Introduction to Spanish Linguistics
SWA 2320, Intermediate Swahili II
THEA 3352/JPN 3352, Japanese Theatre and Culture

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.

SCHOOL OF NURSING FACULTY AND STAFF

Linda S. Plank, Ph.D.	Interim Dean of Nursing
Dora Bradley, Ph.D.	Associate Dean for Strategic Initiatives & Innovation
Kristi Feutz, D.N.P.	Associate Dean for Online Graduate Programs
Karen Cotter, Ph.D.	Associate Dean for Prelicensure Programs
Jamie Quinn, M.S.I.S.	Director of Learning Resources Center

FACULTY

Annie Abraham, D.N.P.	Cheryl Carlson, Ph.D.	Karen S. Holub, M.S.
Andrea Archer, D.N.P.	Shelley Conroy, Ed.D.	Ethany Howden, D.N.P.
Katy Bartlett, M.S.N.	Adrianne Duvall, D.N.P.	Beth Hultquist, Ph.D.
Kathy Boozer, D.N.P.	Janice Edmonson, D.N.P.	Michelle Jamison, D.N.P.
Courtney Brandt, M.S.N.	Griselle Estrada, M.S.N.	Jennifer Jones, D.N.P.
Brandy Brown, D.N.P.	Renee’ Flippo, D.N.P.	Reneé Jones, D.N.P.
Robin Caldwell, Ph.D.	Shelby Garner, Ph.D.	Nan Ketcham, M.S.N.
Halli Carr, D.N.P.	Marie Hastings-Tolsma, Ph.D.	Erin Killingsworth, Ph.D.
Mirlande Ciprien, M.S.N.	Jennifer Hensley, Ed.D.	Marion Kopulos, Ph.D.

Marie Lindley, Ph.D.	Elizabeth Perry-Caldwell, Ph.D.	Lori A. Spies, Ph.D.
Rebecca Meraz, Ph.D.	Deborah Petty, D.N.P	Jaclyn Standing, D.N.P.
Amee Moreno, D.N.P.	Renea Powell, D.N.P	Cheryl A. Tucker, D.N.P.
Melissa M. Neathery, Ph.D.	Lyn Prater, Ph.D.	Cindy A. Tynes, D.N.P.
Desi Newberry, D.N.P.	Jane Price, M.S.N.	Breanne Wilburn, M.S.N.
Angelina Nguyen, Ph.D.	Cheryl A. Riley, D.N.P.	Laura Zebreski, M.S.N.
Christine Oliver, M.S.N.	Elesha Roberts, Ph.D..	
Kathryn A. Osteen, Ph.D.	Libby Rosonet, M.S.N.	
Jessica Peck, D.N.P.	Kelly Rossler, Ph.D.	Deborah Shirey, D.N.P.
Kandice Perez, D.N.P.	Meagan Soltwisch, D.N.P.	

EMERITUS FACULTY

Martha Bradshaw, Ph.D.	Pauline T. Johnson, Ph.D.
Elizabeth A. Farren, Ph.D.	Phyllis S. Karns, Ph.D.
Linda F. Garner, Ph.D.	Judy Wright Lott, D.S.N.
Sandra J. Genrich, Ph.D	Alice B. Pappas, Ph.D.
Johanna Guenther, Ph.D	Martha Sanford, Ph.D.

STAFF PERSONNEL

Randy L. Adams, M.A.P.D.	Director of Technology Support
Roberta Black, M.Ed.	Academic Support Specialist–Graduate Program
Elizabeth Calverley	Exam Software Administrator
Kendra Campbell, M.Ed.	Senior Coordinator of Academic Success
Jeanne M. Carey, B.S.N., M.Ed.	Director of Simulation Center
Whitney Cortner, B.A.	Director of Marketing and Communications
Wendy Craver, B.B.S.	Office Manager–Academic Affairs
Brittany Doulaye, BA	Research and Grant Coordinator
Whitney Estatpa	Event Coordinator
Tina Glaspie, M.S.Ed.	Coordinator of Career Services and Alumni Relations
Jennett L. Hale B.B.S.	Office Manager–Student Services
Griffen Henderson, B.A	Academic Support Specialist–Student Services
Diana Henson, B.A.S.	Academic Support Specialist–Academic Affairs
Shanna Ingram, M.S.N., B.S.N., R.N	Simulation Facilitator
Amanda Kimes	Office Manager–Dean’s Office
Janis Kovar	Director of Development
Elaine Lark, M.A.	Assistant Director of Student Services
Sahr Mbriwa, D.Min.,	Chaplain and Coordinator of Student Ministries
Trent Morelock, M.Ed.	Senior Academic Consultant - Technology
Monica Mullins, M.Ed.	Director of Student Services
Linda Nunns	Assistant to the Dean
Beverly Price, B.S.N., R.N.	Simulation Operations Specialist
Kyle Pyron, M.Div., M.A.	Coordinator of Pre-Nursing Department
Rebecca A. Robbins, M.Ed.	Manager of Business and Fiscal Operations
Desrick Shelton, B.B.A.	Senior Academic Consultant - Technology

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, 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 McMorrow 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 Undergraduate Program Director 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" (not "C-") is required for progression in the nursing major. If a student does not achieve a grade of "C" (not "C-") or above in a nursing course, the course must be repeated the NEXT time it is offered unless written approval is received from the Undergraduate Program Director. 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.

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>.

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 biopsychosocial-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.

SAMPLE CURRICULUM PLAN—Traditional Track

PRE-NURSING—WACO CAMPUS¹

FRESHMAN YEAR

First Semester	sem. hrs.	Second Semester	sem. hrs.
ENG 1310 Writing & Academic Inquiry or ENG 2310 American Lit Cultures (2)	3	ENG 1310 Writing & Academic Inquiry or ENG 2310 American Lit Cultures (2)	3
CHE 1300 General Chemistry	3	BIO Requirement (8)	4
CHE 1100 Intro to Chemistry Laboratory	1	PSY 1305 Psychological Science	3
NUR 1101 Intro Art & Science of Nursing	1	History Elective (1300, 1305, 1307, 2365, or 2366) (6)	3
REL 1310 The Christian Scriptures	3	Foreign Language, Communication & Media, Fine Arts (4)	3
Foreign Language, Communication & Media, Fine Arts (4)	3	CHA Chapel 1088	0
CHA 1088 Chapel	0		
Total hours	14	Total hours	16

SOPHOMORE YEAR

First Semester	sem. hrs.	Second Semester	sem. hrs.
ENG 23XX Literature Elective (3)	3	STA 1380 Statistics (5)	3
BIO Requirement (8)	4	BIO Requirement (8)	4
REL 1350 Christian Heritage	3	PSC 1387 The US Constitution	3
NUTR 2351 Nutrition	3	PSY 3341 A Survey of Human Growth and Development (7)	3
SOC 1305 Intro to Sociology	3		
Total hours	16	Total hours	13

NURSING MAJOR—DALLAS CAMPUS

JUNIOR YEAR

First Semester	sem. hrs.	Second Semester	sem. hrs.
NUR 3200 PNP: Intro to Prof Nur	2	NUR 3225 PNP: Care of Med/Surg patient	2
NUR 3212 Foundations for Pract	2	NUR 3226 PNP: Care of Mental Health patient	2
NUR 3330 Intro to Prof Nurse Pract/Lab	3	NUR 3317 Human Needs II	3
NUR 3314 Health Assessment	3	NUR 3324 The Maturing Family	3
NUR 3316 Human Needs I	3	NUR 3328 Mental Health Nursing	3
NUR 3420 Patho/Pharm I	4	NUR 3421 Patho/Pharm II	4
Total hours	17	Total hours	17

SENIOR YEAR

First Semester	sem. hrs.	Second Semester	sem. hrs.
NUR 4225 PNP: Childbearing Family	2	NUR 4335 Transition to Practice	3
NUR 4226 PNP: Childrearing Family	2	NUR 4338 Complex Human Needs	3
NUR 4334 The Childbearing Family	3	NUR 4345 PNP: Population Health Nursing	3
NUR 4339 The Childrearing Family	3	NUR 4353 Community and Culture	3
NUR 4341 Leadership & Management	3	NUR 43XX 3 hour nursing elective - see catalog for individual course listings	3
NUR 4351 Consumer of Research	3		
Total hours	16	Total hours	15

- 1 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.
- 2 ENG 1302 will be accepted as dual credit or transfer credit only. BU Freshmen will take ENG 1310 and 2310.
- 3. The choices of literature include ENG 2301 and 2306.
- 4 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.
- 5 Must be course equivalent to HIS 1300, 1305, 1307, 2356 or 2366. Note: HIS 1300 is preferred.
- 6 Course must cover entire life span.
- 7 BIO Requirements are the BIO 2401, BIO 2402, and BIO 1302/1102 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.

SAMPLE CURRICULUM PLAN - FastBacc® Track

SUMMER TERM MINIMESTER	
COURSE	CR HRS.
NUR 3212 Professional Development: Foundations of Practice	2
NUR 3314 Health Assessment	3
Total hours	5

SUMMER SEMESTER 1 AND 2	
COURSE	CR. HRS.
NUR 3200 Professional Nursing Practice: Intro to Nursing	2
NUR 3330 Professional Nursing Practice - Intro to Professional Nursing Practice/Lab	3
NUR 3316 Human Needs I	3
NUR 3324 The Maturing Family	3
NUR 3420 Pathophysiology & Pharmacology I	4
Total hours	15

FALL SEMESTER	
NUR 3225 Professional Nursing: Care of the Patient with Medical Surgical Needs	2
NUR 3226 Professional Nursing: Mental Health Nursing	2
NUR 3317 Human Need II	3
NUR 3328 Mental Health Nursing: Individual, Groups, and Families	3
NUR 3421 Pathophysiology & Pharmacology II	4
NUR 4345 Professional Nursing Practice: Population Health Nursing	3
NUR 4351 Professional Development Consumer of Research	3
NUR 4353 Community & Culture	3
Total 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 & Management	3
Total Hours	19

SAMPLE CURRICULUM PLAN - Distance Accelerated BSN Track

TRIMESTER 1

COURSE	CR HRS.
NUR 3212- Professional Development: Foundations for Practice	2
NUR 3314- Health Assessment and Laboratory	3
NUR 3330- Intro to Professional Nursing Practice and Laboratory	3
NUR 3200- PNP: Intro to Professional Nursing Practice	2
NUR 3420 – Pathophysiology and Pharmacology I	4
NUR 3316 – Human Needs I	3
NUR 3324 –The Maturing Family	3
Total hours	20

TRIMESTER 2

COURSE	CR HRS.
NUR 3226 PNP: Care of Mental Health patient	2
NUR 3225 PNP: Care of Med/Surg patient	2
NUR 3317 Human Needs II	3
NUR 3328 Mental Health Nursing	3
NUR 3421 Patho/Pharm II	4
NUR 4353 Community and Culture	3
NUR 4351 Consumer of Research	3
NUR 4345 PNP: Population Health Nursing	3
Total hours	20

TRIMESTER 3

COURSE	CR HRS.
NUR 4225 PNP: Childbearing Family	2
NUR 4335 Transition to Practice	3
NUR 4226 PNP: Childrearing Family	2
NUR 4338 Complex Human Needs	3
NUR 4334 The Childbearing Family	3
NUR 4339 The Childrearing Family	3
NUR 4341 Leadership & Management	3
Total Hours	19

SAMPLE CURRICULUM PLAN—Accelerated January Start

PRE-NURSING - Waco Campus (1)

Fall Semester**	sem. hrs.	Spring Semester	sem. hrs.
ENG 1310 Thinking, Writing, & Res (2)	3	ENG 1310 Writing and Academic Inquiry (2)	3
CHE 1300/1100 General Chemistry/Lab	3	BIO 2401 Anat and Phys of Motion	4
OR BIO requirement	1	PSY 3341 Surv of Hum Growth & Dev (7)	3
NUR 1101 Intro. to Art & Science of Nur	1	HIS XXXX Elective (6)	3
STA 1380 Elementary Statistics (5)	3	PSC 1387 The US Constitution:	3
PSY 1305 Psychological Science	3	Foreign Language, Comm & Media, Fine Arts (4)	3
Foreign Language, Comm & Media, Fin (4)	3	CHA 1088 Chapel	0
REL 1310 The Christian Scriptures	3		
CHA 1088 Chapel	0		

Total hours 20

Total hours 19

SOPHOMORE YEAR - Waco Campus/Transition to Dallas Campus

Fall Semester	sem. hrs.	Spring Semester	sem. hrs.
ENG 23XX Literature Elective (3)	3	NUR 3200 PNP: Intro Prof Nurs	2
BIO (8)	4	NUR 3212 Foundation for Pract	2
BIO (8)	4	NUR 3300 Intro to Prof Nurs Prac/Lab	3
REL 1350 Christian Heritage	3	NUR 3314 Health Assessment	3
NUTR 2351 Nutrition	3	NUR 3316 Human Needs I	3
SOC 1305 Intro to Sociology	3	NUR 3410 Path/Pharm I	4

Total Hours 20

Total hours 17

JUNIOR YEAR - Dallas Campus

Fall Semester	sem. hrs.	Spring Semester	sem. hrs.
NUR 3225 PNP: Care of Med/Surg Patient	2	NUR 4225 PNP: Childbearing Family	2
NUR 3226 PNP: Care of Ment Health Pat	2	NUR 4226 PNP: Childrearing Family	2
NUR 3317 Human Needs II	3	NUR 4334 The Childbearing Family	3
NUR 3324 The Maturing Family	3	NUR 4339 The Childrearing Family	3
NUR 3328 Mental Health Nursing	3	NUR 4341 Leadership & Management	3
NUR 3421 Path/Pharm II	4	NUR 4351 Consumer of Research	3

Total hours 17

Total hours 16

SENIOR YEAR - Dallas Campus

Fall Semester	sem. hrs.
NUR 4335 Transition to Pract.	3
NUR 4338 Complex Human Needs	3
NUR 4345 Population Health Nursing	3
NUR 4353 Community & Culture	3
NUR 43XX 3 hour Nursing elective	3

see catalog for individual course listings

Total hours 15

**Most students have at least 9 hours of dual credit or AP placement; most commonly students will have ENG 1302, CHE 1300, SOC 1305, or STA 1380. Summer enrollment may be used to increase credit hour earnings needed for accelerated January start.

1 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.

2 ENG 1302 will be accepted as dual credit or transfer credit only. BU Freshmen will take ENG 1310 and 2310.

3: The choices of literature include ENG 2301 and 2306.

4. 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.

5 May be in a discipline other than mathematics if the course is judged as equivalent to STA 1380 at Baylor.

6 Must be course equivalent to HIS 1300, 1305, 1307, 2356 or 2366. Note: HIS 1300 is preferred.

7 Course must cover entire life span.

8 BIO Requirements are the BIO 2401, 2402, and BIO 1302/1102 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.

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. Applications are due each spring for the upcoming academic year. Inquiries regarding the GSSW undergraduate scholarship application can be directed to the program manager for baccalaureate studies.

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 the BSW Social Work Student Association. The purpose of the organization is to provide an association through which 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. Applications are due in the spring semester of the sophomore year.
2. Completion of Introduction to Social Work (SWO 2321), or its equivalent, with a minimum grade of "C" in the course. It is recommended that SWO 2321 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. Preference for admission will be given to students who have achieved a cumulative 3.0 or higher GPA. Admission is competitive and a high grade point average does not guarantee admission.
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).

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, 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).

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), Practice II (SWO 4372), and Practice III (SWO 4373) 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) and II (SWO 4492).

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

- I. Minimum requirements.....124 sem. hrs.
- II. Residence requirement.....60 hrs.
- III. Grade point average - minimum of 2.00 overall for the university and a 2.7 overall once accepted to the major.
- IV. Basic requirements.....54 to 58 hrs.
 - A. Chapel - two semesters.....2 semesters
 - B. English - ENG 2310 (American Literary Cultures).....3 hrs.
 - C. History - HIS 1300 (The United States in Global Perspective).....3 hrs.
 - D. Political Science - PSC 1387 (The U.S. Constitution, Its Interpretation, and the American Political Experience).....3 hrs.
 - E. Religion - REL 1310 (The Christian Scriptures).....3 hrs.
 - F. Religion - REL 1350 (The Christian Heritage).....3 hrs.
 - G. Economics - ECO 3355 (Introduction to the Economics of Poverty and Discrimination).....3 hrs.
 - H. Philanthropy and Public Service - PPS 1100.....1 hr.
 - I. Communication and Media Literacy—one course 3 hrs.
Select 3 hours from the Communication and Media Literacy distribution list.
 - J. Contemporary Social Issues—one course 3 hrs.
Select 3 hours from the Contemporary Social Issues distribution list.
 - K. Fine Arts and performing Arts—one course3 hrs.
Select 3 hours from the Fine Arts and Performing Arts distribution list.
 - L. Foreign Language and Culture—..... 8 to 12 hrs.
Complete ONE of the following options:
 - 1. 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
 - 2. 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
3. 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
- *** 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.
- M. Formal reasoning—MTH 1301, 1320, 1321, or STA 1380 3 hrs.
- N. Literature in Context—one course3 hrs.
- Select 3 hours from the Literature in Context distribution list.
- O. Research Writing—ENG 1310 (Writing and Academic Inquiry Seminars) 3 hrs.
- P. Scientific Method I: Course with Laboratory Experience8 hrs.
- 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:
1. BIO 1401 or BIO 1305-1105
2. NSC 1306-1106
- Q. Lifetime Fitness, one course 1 hr.
- V. Major Requirements41-42 hrs.
- 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.*
- A. SWO 2320, 2321, 3351, 3352, 3371, 4301, 4305, 4322, 4372, 4373, 4491, and 4492
- B. Any 2-3 hour Social Work elective
- VI. Minor—Optional; may elect one or more minors. Specific requirements in departmental sections of this catalog.
- VII. Advanced work (“3000” or “4000” numbered courses) minimum 36 hrs.
- VIII. 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.”

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

- Modern Foreign Languages* 1301 (* includes: ARB, CHI, CSD, FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA)
- Modern Foreign Languages* 1302 (* includes: ARB, CHI, CSD FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA)
- Modern Foreign Languages* 1412 (* includes: GER, SPA)
- Modern Foreign Languages* 2412 (* includes: GER, SPA)
- Modern Foreign Languages* 2310 (* includes: ARB, CHI, CSD FRE, GER, ITA, JPN, KOR, POR, RUS, SPA, SWA)
- Classical Languages* 1301 (* includes: GKC, HEB, LAT)
- Classical Languages* 1302 (* includes: GKC, HEB, LAT)
- Classical Languages* 2310 (* includes: GKC, HEB, LAT)
- ARB 2320, Arabic Popular Culture
- AST 2380, The Peoples and Culture of Asia
- AST 4388, Contemporary Chinese Society and Culture
- CHI 2320, Communication in Intermediate Chinese
- CHI 3305, Chinese for Business I

- CHI 3306, Chinese for Business II
- CHI 3310, Chinese Language and Culture Through Film
- CLA 3301, Roman Civilization
- CLA 3302, Greek Civilization
- FAS 1311, Modern Languages, Cultures, and Global Communities
- FRE 1412, Accelerated Elementary French
- FRE 2320, Passport to the French-Speaking World
- FRE 2321, French for Health Professions
- FRE 3301, Advanced French Grammar
- FRE 3302, Conversational French
- FRE 3308, French and Francophone Pop Culture
- FRE 3310, Introduction to French Literature
- FRE 3330, Introduction to French Cinema
- GER 2320, German for Modern Life
- GER 3301, German Conversation and Composition
- GER 3341, Introduction to German Culture: Germany in the Making
- GER 3345, Introduction to German Film: German Culture from Berlin to Hollywood
- GKC 2320, Intermediate Greek Poetry
- HEB 2320, Intermediate Hebrew II
- ITA 2320, Pathways in Italian Culture
- ITA 3301, Advanced Italian Grammar
- ITA 3302, Italian Conversation, Reading, and Composition
- ITA 3310, Introduction to Italian Literature
- ITA 3330, Italian Through Film
- JPN 2320, Explore Japan
- JPN 3301, Advanced Japanese I
- JPN 3302, Japanese Culture through Reading
- JPN 3305, Japanese for Business
- JPN 3306, Japanese Cinema
- KOR 2320, Intermediate Korean II
- LAS 2301, An Introduction to Latin American Studies
- LAT 2320, Intermediate Latin Poetry
- MES 2301, Introduction to the Middle East
- POR 2320, Exploring the Portuguese-Speaking World
- RUS 2320, Russian Culture in Context
- RUS 3301, Russian Conversation and Composition
- SPA 2304, Spanish for Heritage Speakers
- SPA 2320, Exploring the Spanish-Speaking World
- SPA 2321, Intermediate Spanish for Medical Professions
- SPA 2322, Spanish for Christian Ministry
- SPA 2324, Spanish for Business
- SPA 3302, Conversation and Composition
- SPA 3309, Introduction to Spanish Linguistics
- SWA 2320, Intermediate Swahili II
- THEA 3352/JPN 3352, Japanese Theatre and Culture

Additional Cultural Competency Courses

- ANT 1305 Introduction to Anthropology
- ANT 1325 Introduction to Global Health
- ANT 2305 Cultural Anthropology in the Global Context
- ANT 3301 Science, Society, and Culture
- ANT 3340 Indigenous Cultures of Modern Mexico and Central America
- ANT 3350 Native North Americans
- ANT/AST 4310 Societies & Cultures of East Asia
- ANT/GEO 1310 Cultural Geography
- ANT/GEO 1310 Cultural Geography
- ANT/SOC 4320 Culture, Personality and Identity

- AST/HIS 3305 Traditional China
- AST/HIS 3307 Japan
- FRE/FDM 4330 Survey of French Cinema
- JPN/THEA3 3352 Japanese Theatre and Culture
- LAS 1301 Latin American Nations and People
- LING/ENG 3319 Language and Culture
- MUS 3321 Music in World Cultures
- MUS 4361 Traditional Music and Culture in Africa
- MUS 4362/AST 4362 Traditional Music and Culture in Asia
- MUS 4364/LAS 4364 Traditional Music and Culture in Latin America
- PHI 4331 Latin American Philosophy
- PHI 4341 Contemporary Continental Philosophy
- PSC 3315 Fundamentals of International Politics
- PSC 4303 International Human Rights
- PSC 4304 Governments and Politics of Latin America
- PSC 4305 International Law
- PSC 4314 Government and Politics of Mexico
- PSC 4325/AST 4325 Asian International Relations
- PSC 4334 Governments and Politics of the Middle East
- PSC 4344 Government and Politics of Russia
- PSC 4365 International Political Economics
- PSC/AST 3314 Politics and Problems of Developing Countries
- PSC/AST 4364 The Governments and Politics of Asia-Pacific Region
- PSC/AST 4374 Governments and Politics of East Asia
- REL 4343 Topics in Islam
- REL 4347 Topics in African Religions
- REL 4348 Modern Judaism
- REL/AST 3345 World Religions
- REL/AST 4346 Topics in Asian Religion
- SEES/HIS 2380 Intro to Slavic and East European Studies I
- SEES/HIS 2381 Intro to Slavic and East European Studies II
- SOC 3318 Mexican-Americans in U.S. Society

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:

- REL 1310—The Christian Scriptures
- REL 1350—The Christian Heritage
- REL 2480—Introduction to Ministry
- REL 3381—Functions of Ministry
- REL 3390—Christian Ethics
- REL 4340—Christian Missions

Requirements for a Minor in Poverty Studies and Social Justice

Eighteen semester hours including the following:

- A) ECO 3355, SWO 4315, SWO 4322
- B) Nine semester hours from additional hours taken from courses related to social justice and approved by the School of Social Work. ANT 1306, 1324, 2305, 3320, 4320; BIC 4374; BIO 4331; CFS 4356, 4367; CSD 3312; CSS 4354; ECO 3331, 4334, 4336; ENG 3305, 3316; ENT 4353; ENV 3314, 4310; HIS 2390, 3308, 3355, 3371, 4312, 4313, 4350, 4375, 4385; HP 3311; JOU 4305; LDS 3308; MH 4396; MKT 3340; NSC 4312; NUTR 4352; PHI 1308, 3301, 4361, 4V99; PPS 3372, 4310, 4V98; PSC 3300, 3314, 3320, 3325, 4303, 4355, 4375, 4383; PSY 3310, PUBH 2330, 3325, 4340; SIC 4V98; SOC 2310, 3309, 3311, 3322, 3330, 3372, 4352, 4353, 4366; SWO 2321, 3351, 3352; TED 3380

Requirements for a Minor in Gerontology:

Eighteen semester hours including the following:

- A) GRT 3305, 4393, 4395, and PSY 3341 or SWO 3351.
- B) Six semester hours from ECO 4350; NUTR 2351; PSC 3310; REL 4394 or 4395; SOC 4310, HED 4327, PSY 4355 or SOC 4V70; SWO 4V70 ANT 4325; BIO 3100; CFS 3356; MH 4372; NUR 3324; NUR 4345; NUTR 4351; PHP 1206; PSY 3350; PUBH 1145; PUBH 4372; SOC 4353, SOC 4357, SWO 4316

Requirements for a Minor in Civic Interfaith Studies

Eighteen semester hours including the following:

- A) LDS 3308, REL 3345*, SWO 2320
* Students in the BIC may take BIC 1314 or BIC 1324 in place of REL 3345
- B) Nine additional hours taken from BIC 3358; BIC 4389; ENG 4348; REL 4342; SWO 4315; SWO 4V80 (Spirituality in Social Work Practice)
In the event that the above electives are unavailable, students may select from the following courses: ANT 1306; ANT 1360; ANT 3320; ANT 4360; BIC 4374; ENG 3317; ENG 3326; INB 333; JOU 3376; JOU 3387; JOU 4305; LDS 3312; PPS 1100; PPS 2301; PPS 4310; PHI 2305

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), Practice II (SWO 4372), and Practice III (SWO 4373) 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) and II (SWO 4492).

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 internship are informed in writing and are directed to contact their faculty advisor regarding any effect on the completion of the degree plan.

SCHOOL OF SOCIAL WORK FACULTY AND STAFF**Faculty**

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
Brianna Garrison, Ph.D., Director of Houston Operations
Helen E. W. Harris, Ed.D.
Luci Ramos Hoppe, M.S.W., Director of BSW Program
Whitney Luce, M.S.W., Director of Field Education
Elissa Madden, 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
Becky Scott, Ph.D.
Jon E. Singletary, Ph.D., Dean
Gaynor I. Yancey, D.S.W., Director of CCCI
Melody Y. Zuniga, M.S.W., Associate Dean for Academic Affairs

Staff Personnel

Angela Bailey, Ph.D., Faculty Development and PhD Program Manager
Krista Barrett, Program Manager, Field Education
Emily Cornassel, Assistant Director of Admissions
Deborah De Laurell, Academic Affairs and GML Program Manager
Crystal Diaz-Espinoza, Director of Enrollment and Alumni Services
Katherine Diehl, GML Program Coordinator
Amber George, Grants and Sponsored Programs Manager
Terry Henderson, Financial Manager and Business Officer
Jim Heston, Academic Consultant - Instructional Designer
Andrea Hix, Assistant to the Dean
Krysta Long, Recruitment and Student Services Program Manager
Kayla Mize, Program Manager, Baccalaureate Program
Suzanne Sellers, Graduate Admissions Coordinator
Morgan Strehlow, Program Manager, MSW Program
Nikki Wilmoth, Director of Marketing and Communication

Interdisciplinary Programs and Academic Resources



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

Marie Burks, B.B.A., Financial Manager

Krishna Garza-Baker, M.S., Budget & Systems Manager

Lynae Jordan, Office 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 Hoye, M.S. Ed., International Programs Coordinator

Timothy L. Johnson, International Student Advisor

Delores Melendez, International Student Records Management Associate

STUDY ABROAD

Bo White, M.Ed., M.Div., Director of Study Abroad

Grace Lee, M.A., Study Abroad Advisor and Exchange Programs

Andrea Reifeis, M.P.A., Study Abroad Advisor

Jorge Vielledent, M.S. Ed., Study Abroad Coordinator - Faculty-led

GLOBAL BAYLOR (Quality Enhancement Plan)

Robert Leis, M.A., Assistant Director of Global Baylor

Holly Joyner, M.A., Global Baylor Program Director

GLOBAL GATEWAY

Cornell Menking, Ph.D., Director of Global Gateway Program

Meredith L. Moore, M.A., Senior Student Success Manager

Nate Hutcherson, M.S.Ed., Student Success Manager

Kelsey Nestel, M.A.T., Student Success Manager

Christine A. Fabiszewski, M.A., Lecturer, English for Academic Purposes

Terra Jackson, 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

Allbritton Art Institute

Paul A. McCoy, M.F.A., Director

Dodi Holland, Assistant Director

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. Carriveau, 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 Glennis McCrary Goodrich International Scholarship

The Dixon Wector Scholarship in American Civilization

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.

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> 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.

INSTITUTES

THE ALLBRITTON ART INSTITUTE

The Allbritton Art Institute was established by Joe and Barbara Allbritton to promote the appreciation and comprehensive study of the artists and art movements of the nineteenth and twentieth centuries and includes classes in contemporary art history. This program is offered in conjunction with Baylor University's Department of Art and Art History.

Institute educational objectives include opportunities for art students to engage, study, research and view original works of art both domestically and abroad via funded research travel studies; academic scholarships for undergraduate art students; research grants for art faculty scholarship; and bringing distinguished artists and guest lecturers to the Baylor campus.

As an educational organization, the Institute employs executive staff and teaching faculty (full and part-time). The Institute offers a regularly-scheduled curriculum where University students can enroll and complete Institute courses that are applicable towards a Baylor bachelor degree in art history, studio art, related fields of study, electives, as well as Introduction to Art classes specifically for non-art majors. For additional information, go to: <http://www.baylor.edu/aaai/>.

Classes are held in facilities that have been created, renovated, maintained, and equipped by the Institute located in Baylor's Hooper-Schaefer Fine Arts Center. The Institute is committed to providing technological resources that benefit Institute and Departmental art history classes.

The Allbritton Art Institute has built an impressive and growing library of scholarly publications to support art research conducted by students and faculty. The Institute's collection, which exceeds 2,500 books, is accessible through Baylor University's libraries: <http://www.baylor.edu/lib/>.

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, 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.

Current faculty-led group study abroad programs include:

Archeology Research in Italy	Dr. Davide Zori
Baylor Academy of the Advocate – St Andrews (Law)	Prof. William Counsellor
Baylor Arts Festivals Abroad	Mr. Stephen Rispoli
Baylor Business in Europe	Dr. Jojo Percy
Baylor Business in Sydney	Dr. Leslie Palich
Baylor Education in Costa Rica	Dr. Chris Pullig
Baylor in Argentina	Dr. Richard Strot
Baylor in Australia	Dr. Joan Supplee
Baylor in Barbados	Dr. Christopher Wynveen
Baylor in Brazil	Dr. Curt Nicols
	Dr. Eva Doyle
	Dr. Robert Doyle
Baylor in Budapest	Prof. Maxey Parrish
Baylor in China	Dr. Xin Wang
Baylor in Denia	Dr. Allyson Irom
Baylor in Germany	Dr. Jennifer Good
Baylor in Great Britain	Dr. James Henderson
	Dr. Charles Weaver
Baylor in Italy	Dr. David White
Baylor in Japan	Prof. Yuko Prefume
Baylor in London - Communication	Dr. Mark Morman
Baylor in Madrid	Dr. Rosario Colchero-Dorado
Baylor in Morocco	Dr. Lynn Whitcomb
Baylor in Oxford	Dr. Dr. Liz Flowers
	Dr. Laine Scales
Baylor in Paris	Dr. Holly Collins
Baylor in Peru	Dr. Clay Butler
Baylor in Turkey and Greece	Dr. Scott Moore
Baylor in Thailand	Dr. Michael Muehlenbein
Baylor in Tuscany	Dr. Tiziano Cherubini
Baylor Nursing in Great Britain	Dr. Lyn Prater
Baylor Nursing in Hong Kong	Prof. Kathryn Voreis
	Dr. Shelley Conroy
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:

Argentina	Universidad Nacional de Cuyo*	Dr. Joan Supplee
Australia	University of Sydney	Ms. Grace Lee (CGE)
Austria	Karl Franzens Universität Graz (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
Belgium	Universiteit Antwerpen (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
Chile	Santiago Open Campus (CIEE)	Ms. Andrea Reifeis (CGE)
China	Tsinghua University	Dr. Xin Wang
	Hong Kong Baptist University*	Dr. Stephen Gardner
	Chinese University of Hong Kong	Ms. Grace Lee (CGE)
	Shanghai Business & Culture (CIEE)	Ms. Andrea Reifeis (CGE)
Czech Republic	Masaryk Univerzita (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
	Anglo American University Prague (CEA)	Ms. Andrea Reifeis (CGE)
Denmark	Aarhus Universitet (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
England	Baylor in London/FIE	Ms. Andrea Reifeis (CGE)
	Coventry University	Ms. Grace Lee (CGE)
	Kingston-upon-Thames	Dr. Elden Barrett
	Regent's University	Ms. Grace Lee (CGE)
	Scholar's Semester in Oxford	Dr. Jeff Fish
	University of East Anglia	Ms. Grace Lee (CGE)
	University of Hull (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
Estonia	University of Tartu	Ms. Grace Lee (CGE)
France	The American University of Paris*	Ms. Grace Lee (CGE)
	C.U.P.A. (Center for Undergraduate Programs)	Dr. David Uber
	IAU College-Aix-en-Provence*	Dr. Theresa Kennedy
	Paris School of Business (PSB)*	Dr. Stephen Gardner
	Universite de Caen	Dr. Theresa Kennedy
	Universite de Strasbourg (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
Germany	Albert-Ludwigs University in Freiburg	Dr. Ann McGlashan
	"Universität Leipzig" (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
	Berlin Global Institute	Ms. Andrea Reifeis (CGE)
	Ruhr Universität Bochum (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
	Otto Beisheim School of Mgt. (WHU)	Dr. Stephen Gardner
Greece	University of Thessaloniki (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
Ireland	National University of Ireland, Cork (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
	University College Dublin	Ms. Grace Lee (CGE)
Israel	Tel Aviv University	Ms. Grace Lee (CGE)
Italy	Florence University of the Arts*	Mr. John Wilson
	John Cabot University Rome*	Mr. John Wilson
	Siena Italian Studies*	Mr. John Wilson
	Università di Bologna (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
	Studio Arts Centre International Florence	Ms. Grace Lee (CGE)
Japan	Hosei University	Ms. Yuko Prefume
	Seinan Gakuin University	Dr. David Uber

Latvia	University of Latvia (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
Lithuania	Vilnius University (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
Malta	University of Malta (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
Mexico	Monterrey Tech (ITESM) Queretaro	Dr. Fuertes
Morocco	Al Akhawayn University	Ms. Grace Lee (CGE)
The Netherlands	Baylor in Maastricht	Ms. Andrea Reifeis (CGE)
	University of Utrecht (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
	Utrecht School of the Arts (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
	University of Bergen (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
Norway	University of Bergen (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
Peru	Pontificia Universidad Catolica	Dr. Lizbeth Souza-Fuertes
Poland	Jagiellonian University in Krakow (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
	Universidade de Coimbra (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
Romania	Alexandru Ioan Cuza University (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
Russia	Voronezh State University	Dr. Michael Long
Scotland	Baylor in St. Andrews	Ms. Andrea Reifeis (CGE)
	University of Edinburgh	Ms. Grace Lee (CGE)
Slovakia	University of Comenius, Bratislava (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
	Univerza Ljubljana (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
South Africa	Rhodes University, Grahamstown	Ms. Grace Lee (CGE)
South Korea	Yonsei University*	Dr. David Uber
Spain	Universidad de Cantabria	Dr. Linda McManness
	St. Louis University Madrid*	Dr. Stephen Gardner
Switzerland	Universitat Basel (MAUI-UTRECHT)	Ms. Grace Lee (CGE)
	Bogazici University (inactive)	Dr. Scott Moore

*Also a summer program offering.

Information and brochures are available from the Program Directors, and Exchange Program/Study Abroad Advisor, 254-710-4824, or on the website: www.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/.

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/.

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), 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/.

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/.

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/.

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/.

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.



Courses of Instruction

PREFIXES FOR COURSES OF INSTRUCTION

Accounting.....	(ACC)	Human Performance	(HP)
Aerospace Studies	(AS)	Human Science & Design	(HSD)
Air Pilot.....	(AIRP)	Integrated Science	(ISCI)
American Studies	(AMS)	Interior Design	(ID)
Anthropology	(ANT)	International Business	(INB)
Apparel Design and Merchandising.....	(ADM)	Italian	(ITA)
Arabic.....	(ARB)	Japanese	(JPN)
Aramaic.....	(ARA)	Journalism	(JOU)
Archaeology	(ARC)	Korean	(KOR)
Art.....	(ART)	Latin	(LAT)
Art History.....	(ARTH)	Latin American Studies	(LAS)
Asian Studies	(AST)	Leadership Development.....	(LDS)
Aviation Management.....	(AVIM)	Library Science	(LS)
Aviation Sciences	(AVS)	Lifetime Fitness	(LF)
Baylor Interdisciplinary Core.....	(BIC)	Linguistics.....	(LING)
Bioinformatics	(BINF)	Management	(MGT)
Biology.....	(BIO)	Management Information Systems	(MIS)
Biomedical Engineering.....	(BME)	Marketing	(MKT)
Business	(BUS)	Mathematics	(MTH)
Business Law	(BL)	Mechanical Engineering.....	(ME)
Chapel	(CHA)	Medical Humanities	(MH)
Chemistry.....	(CHE)	Middle East Studies	(MES)
Child and Family Studies	(CFS)	Military Science.....	(MILS)
Chinese	(CHI)	Modern Languages and Cultures	(MLC)
Classics.....	(CLA)	Museum Studies	(MST)
Communication Sciences		Music Ensembles	(MUEN)
and Disorders	(CSD)	Music	(MUS)
Communication	(CSS)	Neuroscience	(NSC)
Computer Science	(CSI)	Nursing	(NUR)
Computer Science Fellows.....	(CSF)	Nutrition.....	(NUTR)
Curriculum and Instruction.....	(EDC)	Philanthropy and Public Service	(PPS)
Data Science.....	(DSC)	Philosophy.....	(PHI)
Economics	(ECO)	Physics.....	(PHY)
Education	(EDU)	Political Science.....	(PSC)
Educational Leadership.....	(EDL)	Portuguese	(POR)
Educational Psychology.....	(EDP)	Pre-Health Professions	(PHP)
Electrical and Computer Engineering .	(ELC)	Professional Development	(PRD)
Engineering.....	(EGR)	Professional Writing & Rhetoric	(PWR)
Engineering and Computer Science	(ECS)	Psychology	(PSY)
English	(ENG)	Public Health	(PUBH)
Entrepreneurship	(ENT)	Quantitative Business Analysis	(QBA)
Environmental Science	(ENV)	Recreation and Leisure Services.....	(RLS)
Family and Consumer Sciences	(FCS)	Religion	(REL)
Film Digital Media	(FDM)	Russian	(RUS)
Finance.....	(FIN)	Sanskrit	(SAN)
First Year Seminar	(FYS)	Science Research Fellows	(SRF)
Forensic Science	(FORS)	Slavic and East European Studies.....	(SEES)
French	(FRE)	Social Innovation Collaborative	(SIC)
Freshman Academic Seminar	(FAS)	Social Work.....	(SWO)
Geography	(GEOG)	Sociology	(SOC)
Geology.....	(GEO)	Spanish	(SPA)
German	(GER)	Statistics	(STA)
Gerontology	(GRT)	Strategic Learning	(STL)
Global Engagement.....	(GBL)	Swahili.....	(SWA)
Great Texts.....	(GTX)	Syriac.....	(SYR)
Greek.....	(GRK)	Teacher Education	(TED)
Health Education	(HED)	Theater Arts.....	(THEA)
Hebrew	(HEB)	University Scholars	(UNSC)
History.....	(HIS)	University Studies	(UST)

ACCOUNTING (ACC)

2301 Survey of Accounting

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.

2303 Financial Accounting

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.

2304 Managerial Accounting

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.

3101 Accounting Career Management Seminar

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.

3301 Financial Accounting and Reporting I

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.

3302 Financial Accounting and Reporting II

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.

3303 Accounting Information Systems

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. Fee: \$50

3304 Introduction to Federal Taxation

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.

3305 Intermediate Accounting I

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.

3306 Intermediate Accounting II

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.

3310 Accounting Research and Communication

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. Fee: \$50

3331 Control and Audit of Information Systems (Cross-listed as MIS 3332)

See MIS 3332 for course information.

4308 Advanced Managerial Accounting

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.

4310 Energy Accounting and Law

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.

4320 Not-for-Profit and Governmental Accounting

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.

4330 Auditing, Attestation and Assurance Services

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. Fee: \$50

4340 Advanced Accounting

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.

4350 Business and Professional Ethics for Accountants

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.

4377 Personal and Business Tax Planning

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.

4378 International Accounting

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.

4396 Internship in Accounting

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.

4V98 Special Studies in Accounting

1 to 6 sem. hrs.

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)

GENERAL MILITARY COURSE (AS)

1101 Heritage and Values I

Co-requisite(s): AS 1111.

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

1102 Heritage and Values II

Co-requisite(s): AS 1112.

Continuation of AS 1101.

1111 Leadership Laboratory

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.

1112 Leadership Laboratory

Co-requisite(s): AS 1102.

A continuation of AS 1111.

2101 Evolution of Air and Space Power I

Co-requisite(s): AS 2111.

An introductory course exploring the roles of the U.S. Air Force, Army, Navy and Marine Corps through a doctrinal and historical perspective. Evolution of air power from the end of WWI through WW II. Broaden understanding of Air Force Core Value and critical thinking skills.

2103 Team and Leadership Fundamentals I

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.

2104 Team and Leadership Fundamentals II

Co-requisite(s): AS 2112

A continuation of AS 2103.

2111 Leadership Laboratory

Co-requisite(s): AS 2103.

A continuation of AS 1112.

2112 Leadership Laboratory

Co-requisite(s): AS 2104.

A continuation of AS 2111.

PROFESSIONAL OFFICER COURSE (AS)

3111 Leadership Laboratory

Co-requisite(s): AS 3301.

A continuation of AS 2112.

3112 Leadership Laboratory

Co-requisite(s): AS 3302.

A continuation of AS 3111.

3301 Leading People and Communicating Effectively I

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.

3302 Leading People and Communicating Effectively II

Co-requisite(s): AS 3112.

A continuation of AS 3301.

4111 Leadership Laboratory

Co-requisite(s): AS 4301.

A continuation of AS 3112.

4112 Leadership Laboratory

Co-requisite(s): AS 4302.

A continuation of AS 4111.

4301 National Security

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.

4302 Preparation for Commissioning

Co-requisite(s): AS 4112.

A continuation of AS 4301.

AIR PILOT (AIRP)**1175 Intermediate Flight**

Pre-requisite(s): AIRP 2250.

Flight training which will provide the student with cross-country flight hours and experience necessary to fulfill Federal Aviation Administration (FAA) requirements in preparation for the Commercial Pilot certificate, Single Engine Land, Airplane Rating.

1215 Private Pilot Flight

Flight training which will prepare the student for the Federal Aviation Administration (FAA) Private Pilot certification process. The course includes both solo and dual (with instructor) flight training, including ground operations, flight maneuvers and cross-country navigation.

1301 Air Navigation

Ground School instruction in Visual Flight Rules (VFR) and navigation in the national airspace system. Topics include sectional charts, flight computers, plotters, navigation logs and flight planning publications.

1307 Aviation Meteorology

In-depth coverage of meteorological phenomena affecting aircraft flight. Topics include basic concepts of aviation meteorology in the study of temperature, pressure, moisture, stability, clouds, air masses, fronts, thunderstorms, icing, and fog. Also includes analysis and use of weather data for flight planning.

1372 Dispatch Resource Management

A study of human factors in aviation and the challenges of optimizing communication between diverse workgroups within an airline. The course also covers operational control, decision-making, communication, and workload management issues associated with the profession of aircraft dispatcher. Aviation incidents and accidents related to the aircraft dispatcher are explored.

1417 Private Pilot Ground School

Ground school providing the necessary aeronautical knowledge required for the Federal Aviation Administration (FAA) Private Pilot Certificate. Topics include principles of flight, radio procedures, weather, navigation, aerodynamics, and Federal Aviation Administration regulations.

1451 Instrument Ground School

Pre-requisite(s): AIRP 1417.

Ground school providing the necessary aeronautical knowledge required for the Federal Aviation Administration (FAA) Instrument Rating. 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.

2151 Multiengine Flight

Pre-requisite(s): Pre-requisite(s): AIRP 2239.

Flight training for the Federal Aviation Administration (FAA) Multiengine class rating process. The course includes both solo and dual (with instructor) flight training, including ground operations, normal and emergency flight procedures, and cross-country navigation.

2172 Flight Instructor - Instrument Helicopter

Skill development in the fundamentals of teaching and learning in a helicopter-oriented environment. Introduction to the techniques of instruction and analysis of helicopter flight maneuvers. Topics include helicopter flight instructor responsibilities and Federal Aviation Regulations relating to the instructor rating.

2236 Certified Flight Instructor - Airplane

Pre-requisite(s): AIRP 2239.

Flight training which will prepare the student for the Federal Aviation Administration (FAA) Certified Flight Instructor-Airplane certification process.

2239 Commercial Flight

Pre-requisite(s): AIRP 2250.

Flight training for the Federal Aviation Administration (FAA) Commercial Pilot certification process. The course includes both solo and dual (with instructor) flight training preparing the student for mastery of all commercial pilot maneuvers.

2242 Flight Instructor - Instrument Airplane

Pre-requisite(s): AIRP 2236 and AIRP 2250.

Flight training for the Federal Aviation Administration (FAA) Certified Flight Instructor Instrument Rating certification process.

2243 Flight Instruction-Multiengine Airplane

Pre-requisite(s): AIRP 2236, AIRP 2242 and AIRP 2251.

In-flight training to prepare the student for the Federal Aviation Administration Flight Instructor-Multiengine Airplane Rating.

2250 Instrument Flight

Pre-requisite(s): AIRP 1215.

Flight training for the Federal Aviation Administration (FAA) Instrument Rating certification process. The course includes both solo and dual (with instructor) flight training, including instrument procedures and cross-country navigation operating under Instrument Flight Rules (IFR).

2331 Advanced Aviation Meteorology

Structure of the atmosphere and weather patterns. Examines weather hazards encountered by commercial pilots, including thunderstorms, turbulence, wind shear, visibility restrictions, icing, and hydroplaning. Coded weather reports, forecasts, weather charts and prognostic charts are utilized in class for flight planning and in-flight decision-making.

2337 Commercial Ground School

Ground school providing the necessary aeronautical knowledge required for the Federal Aviation Administration (FAA) Commercial Pilot Certificate.

2349 Instructor Ground School

Basic theory of learning and human behavior pertaining to flight instruction, flight instructor's responsibilities, flight training maneuvers, plus review of FARs flight planning and performance. Prepares students to pass the Federal Aviation Administration FOI (Fundamentals of Instruction) and FIA (Flight Instructor/Airplane) computer examinations.

2452 Practical Dispatching I

Study of advanced concepts in weight and balance, performance calculations, avionics, and engine and airplane specifications including Federal Aviation regulations. Preparation for the Federal Aviation Administration Aircraft Dispatcher written examination.

2453 Practical Dispatching II

Pre-requisite(s): AIRP 2452.

A study of the duties and responsibilities required of an aircraft dispatcher. Topics include instruction in Federal Aviation Administration regulations, flight planning, and company operations for both domestic and international operations. Preparation for the Federal Aviation Administration Practical Examination.

AMERICAN STUDIES (AMS)**4385 Seminar in American Studies**

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)**1305 Introduction to Anthropology**

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.

1306 Cultural Anthropology in Global Context

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

1307 The Evolution of Human Societies: An Interdisciplinary Perspective

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.

1310 Cultural Geography (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.

1325 Introduction to Global Health

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

1360 Religion, Magic, and Witchcraft

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

1404 Introduction to Human Evolution

An introduction to the study of humans as biological organisms. Emphasis on evolutionary theory and natural selection as driving forces in human evolutionary history. Fee: \$75

1407 Introduction to Archaeology

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

1V9R Research**0 to 3 sem. hrs.**

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.

2302 The Emergence of World Civilizations (Cross-listed as ARC 2302)

See ARC 2302 for course information.

2304 Introduction to Biological Anthropology

A survey of the sub-field of biological anthropology, including anthropological genetics, primatology, paleoanthropology, human ecology, and bioarchaeology. Fee: \$50

2V9R Research**0 to 3 sem. hrs.**

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.

3301 Science, Society, and Culture

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.

3307 Historical Archaeology (Cross-listed as ARC 3307)

See ARC 3307 for course information.

3308 Methods of Archaeology

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

Methods in contemporary archaeology.

3310 Introduction to Linguistics (Cross-listed as ENG 3310 and LING 3310)

See ENG 3310 for course information.

3320 Environment and Human Behavior (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.

3331 Human Osteology (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. Fee: \$75

3340 Indigenous Cultures of Modern Mexico and Central America

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.

3350 Native North Americans

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

3351 Ancient Civilizations of Mesoamerica

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.

3375 Ethnographic Methods

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

The multiple ethnographic methods used in cultural anthropological field research.

3394 Forensic DNA Analysis (Cross-listed as FORS 3394)

See FORS 3394 for course information.

3399 Archaeology of Texas

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.

3402 Social Statistics (Cross-listed as SOC 3402)

See SOC 3402 for course information.

3V9R Research

0 to 3 sem. hrs.

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.

4199 Senior Thesis I

Pre-requisite(s): Senior standing in anthropology major.

Thesis project planning, including topic identification, literature review, bibliography compilation, and thesis proposal.

4299 Senior Thesis II

Pre-requisite(s): Senior standing in anthropology major.

Primary data collection, processing, and analysis, culminating in the thesis.

4302 Archaeological Theory

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.

4305 Anthropological Theory

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.

4306 Economic Anthropology (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.

4310 Societies and Cultures of East Asia (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.

4311 World Food Problems (Cross-listed as ENV 4310)

See course information for ENV 4310.

4312 Societies and Cultures of Africa

Current social issues and policies in the light of historical and cultural foundations of selected African countries.

4314 Human Biological Variation

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

Mechanisms that contribute to biological diversity between and among human populations.

4320 Culture, Personality, and Identity (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.

4321 Climate Anthropology (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.

4325 Medical Anthropology

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.

4327 Human Catastrophe and Cultural Response (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.

4330 Epidemiology

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.

4331 Global Health Ethics

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.

4332 Global Health Disparities

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.

4333 Formal Decision Analysis & Health Policy

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.

4334 Child and Family Health in Global Perspective

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.

4335 The Human Fossil Record

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

Seminar on the evolutionary history of humans. Emphasis on fossil evidence and primary texts.

4336 Global Health Policy

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.

4340 Environmental Archaeology (Cross-listed as ARC 4340 and 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.

4341 Archaeology of the Mediterranean

Pre-requisite(s): Upper-level standing.

Environmental and cultural factors that led to the rise and fall of civilizations in the Mediterranean region.

4344 African Archaeology

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.

4348 Geoarchaeology (Cross-listed as GEO 4348)

See GEO 4348 for course information.

4350 Development and Indigenous People (Cross-listed as ENV 4350)

See ENV 4350 for course information.

4351 Futuristics (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.

4353 Archaeology of North America (Cross-listed 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.

4355 Forensic Anthropology (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. Fee: \$100

4358 Death, Injury and Physical Remains (Cross-listed as FORS 4359)

See FORS 4359 for course information.

4360 Anthropology of Religion

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.

4361 Ethnographic and Analytical Methods in Ethnomusicology (Cross-listed as MUS 4360)

See MUS 4360 for course information.

4362 Applied Anthropology (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.

4365 Primate Behavior

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.

4369 Seminar in Anthropology (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.

4371 Evolutionary Medicine

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. Fee: \$50

4372 Sex, Hormones, and Behavior: Human Reproductive Ecology

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. Fee: \$50

4373 One Health: Connecting Global Health and Conservation Medicine

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.

4380 Bioarchaeology

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. Fee: \$50

43C9 Anthropology Capstone

Pre-requisite(s): ANT 1404, 2305, and 2307; and senior standing.

Integration of knowledge and experiences acquired from anthropology courses, research, and field school.

4416 Human Evolutionary Anatomy (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. Fee: \$75

4670 Field School in Archaeology

Pre-requisite(s): Consent of instructor.

Field training in archaeological excavation, survey, artifact processing, and analysis of material culture.

4680 Field School in Cultural Anthropology (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.

4690 Field School in Biological Anthropology

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.

4V15 Research Methods in Cultural Anthropology**3 to 6 sem. hrs.**

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.

4V16 Archaeological Research (Cross-listed as ARC 4V16)**3 to 6 sem. hrs.**

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.

4V17 Research Methods in Biological Anthropology**1 to 6 sem. hrs.**

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. Fee: \$100

4V20 Epidemiological Research Design**1 to 6 sem. hrs.**

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.

4V70 Special Topics in Anthropology**1 to 6 sem. hrs.**

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.

4V9R Research**0 to 3 sem. hrs.**

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.

APPAREL DESIGN & MERCHANDISING (ADM)

1241 Apparel Aesthetics

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.

1300 Fashion Theory and Consumption Behavior

Contemporary apparel consumption behavior from social and psychological perspectives.

1311 Apparel Design Construction

Creative design studio introducing professional construction techniques, product development, and techniques of sketching and creating ready-to-wear garments. (0-6) Fee: \$65

1321 Apparel Design & Development

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. (0-6) Fee: \$75

1391 Introduction to the Apparel Industry

Comprehensive overview of the apparel industry, including trend research, design, product development, merchandising, sourcing, manufacturing, distribution, retail management, and career opportunities.

2310 Textile Science

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. (2-2) Fee: \$70

2311 Fashion Illustration

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) Fee: \$65

2371 Apparel Quality Analysis

Study of garment construction factors which affect the wholesale cost, specification buying, and merchandise selection category. (3-0)

2373 Intermediate Apparel Studio

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. (0-6) Fee: \$70

3301 Contemporary Tailoring and Design

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. (0-6) Fee: \$70

3340 Digital Retailing Strategies

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.

3361 Apparel Merchandising Technology

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. (0-6) Fee: \$85

3363 Product Development & Pattern Design Technology

Pre-requisite(s): A minimum grade of C in ADM 2373.

Use of digital technology for apparel design, product development and pattern creation. (0-6) Fee: \$85.

3364 History of Dress

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. (3-0)

3365 Global Dress and Culture

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.

3373 Advanced Apparel Studio

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. (0-6) Fee: \$70

3391 Retail Buying I

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. (3-0)

3393 Visual Merchandising and Promotion

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. (3-0)

3396 International Fashion Forecasting

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.

3V90 Pre-Professional Internship**1 to 3 sem. hrs.**

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.

4132 Apparel Industry Field Study

Pre-requisite(s): Three semester hours of clothing or textiles.

Field study of the textile and apparel industry. May be repeated once.

4190 Pre-Internship Seminar for Apparel Merchandising and Apparel Design Majors

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.

4232 Apparel Industry Field Study

Pre-requisite(s): Three semester hours of clothing or textiles.

Study and research of selected designers, retailers, or manufacturing firms. May be repeated once.

4310 Textiles and Apparel in a Global Economy

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. (3-0)

4312 Textile Testing and Analysis

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 (2-4) Fee: \$70

4363 Apparel Design Technology

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. (0-6) Fee: \$85

4371 Advanced Collection Development

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. (0-6) Fee: \$85

4391 Retail Buying II

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.

4392 Apparel Merchandising Internship

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.

4393 Case Studies in Apparel and Retailing

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.

4394 Apparel Design Internship

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.

4396 Fashion Trend Analysis and Forecasting

Pre-requisite(s): A minimum grade of C in ADM 2310.

Analysis of demographics, psychographics, geodemographics, and popular culture on consumption patterns of consumers. Fee: \$50

ARABIC (ARB)

1101 Arabic Language Workshop

For Music students, supplemental language training to accompany regular 1301 language sections.

1102 Arabic Language Workshop

For music students, supplemental language training to accompany regular 1302 language sections.

1301 Introduction to Arabic

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. Fee: \$50.

1302 Intro to Arabic

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. Fee: \$50.

2310 Intermediate Spoken/Modern Standard Arabic

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). Fee: \$50.

2320 Arabic Popular Culture

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.

3301 Advanced Arabic Grammar

Pre-requisite(s): ARB 2320 or consent of instructor or Division Director.

Review of grammar and study of advanced structures in complex communication.

3302 Arabic Conversation and Composition

Pre-requisite(s): ARB 2320.

Advanced practice in oral and written communication.

3304 Advanced Topics in Arabic Language and Literature

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.

3305 Arabic for Special Purposes

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.

3V70 Special Topics

1 to 3 sem. hrs.

Pre-requisite/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.

3V9R Research**0 to 3 sem. hrs.**

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.

4331 Classical Arabic Texts

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.

4345 Media and Popular Culture in the Arabic-Speaking World

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.

4V9R Research**0 to 3 sem. hrs.**

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)**4303 Aramaic (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)**2302 The Emergence of World Civilizations**

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.

2308 Historical Geography of the Biblical World

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.

3303 Archaeology and the Bible (Cross-listed as REL 3303)

See REL 3303 for course information.

3307 Historical Archaeology (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.

4101 Seminar/Research

A combination of group seminars and individual or group research projects.

4302 Archaeology and the Ancient Near East (Cross-listed as REL 4302)

See REL 4302 for course information.

4340 Environmental Archaeology (Cross-listed as ANT 4340 and ENV 4340)

See ANT 4340 for course information.

4348 Geoarchaeology (Cross-listed as ANT 4348)

See GEO 4348 for course information.

4353 Archaeology of North America (Cross-listed as ANT 4353)

See ANT 4353 for course information.

4V16 Archaeological Research (Cross-listed as ANT 4V16)

3 to 6 sem. hrs.

See ANT 4V16 for course information.

4V50 Special Topics in Archaeology

1 to 4 sem. hrs.

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)**STUDIO COURSES (ART)****1310 Drawing I**

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. Fee: \$50

1311 Drawing II

Pre-requisite(s): ART 1310.

Expands on skills learned in ART 1310. Further investigation into line, mark, and value development and integration of color. Fee: \$50

1314 Design IA (Two-dimensional)

Designing in two dimensions, achieving unity using the elements and principles of design. Problem-solving assignments emphasizing visual relationships, incorporating a variety of media. Fee: \$50

1316 3D Design

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. Fee: \$50

2310 Figure Drawing I

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. Fee: \$50

2311 Figure Drawing II

Pre-requisite(s): ART 2310.

Advanced studies of the human figure with more dependence upon anatomy and complicated figure arrangement. Fee: \$50

2320 Introduction to Oil Painting (for non-art majors only)

An introductory course in oil painting with an emphasis on application, color harmony and composition in a wide variety of subjects and approaches. Fee: \$50

2321 Introduction to Acrylic Painting (for non-art majors only)

An introductory course in acrylic painting with an emphasis on application, color, harmony, and composition in a wide variety of subjects and approaches. Fee: \$50

2324 Introduction to Intaglio (for non-art majors only)

An introduction to etching and related intaglio processes. Technical skills related to drawing, processing, and printing will be studied. Fee: \$50

2325 Introduction to Lithography (for non-art majors only)

Fine art stone and/or plate lithography. Development of technical skills related to drawing, processing, and printing. Fee \$50.

2330 Introduction to Graphic Design (for non-art majors only)

Introduction to typography and concept development using design principles, the creative process, and problem-solving methodologies. Fee: \$50

2332 Introduction to Digital Imaging for Graphic Design (for non-art majors)

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. Fee: \$50.

2333 Introduction to Brochure Design (for non-art majors)

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. Fee: \$50.

2334 Introduction to Darkroom Photography (for non-art majors)

Black and white fine art photography, emphasizing 35mm cameras and wet lab darkroom processes. Cameras provided. Fee: \$50

2336 Introduction to Digital Photography (for non-majors)

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. Fee: \$50

2340 Hand-Built Ceramics (for non-art majors only)

Hand-built ceramic forms for non-majors. Includes instruction in pinched, coiled, and slab construction; surfacing/glazing and firing techniques. Fee: \$50

2341 Wheel-Thrown Ceramics (for non-art majors only)

Introduction to wheel-thrown ceramic form for non-majors. Includes instruction in foundational wheel-thrown forms, surfacing/glazing and firing techniques. Fee: \$50.

2344 Wood Sculpture (for non-art majors)

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. Fee \$50.

2345 Metal Sculpture (for non-art majors)

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 sculpture. Fee: \$50.

2350 Jewelry and Metalsmithing (for non-art majors)

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. Fee: \$50.

3310 Advanced Drawing (Media)

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. Fee: \$50

3312 Figure Drawing III

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. Fee: \$50

3314 Fabric Surface Design

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. Fee: \$50

3315 Non-Woven/Off-Loom Fabric Structures

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. Fee \$50

3316 Weaving

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. Fee: \$50

3320 Oil Painting

Pre-requisite(s): ART 1311 and 1316. For Art majors only.

Emphasis on application, color harmony and composition in relation to conceptual development. Fee: \$50.

3321 Acrylic Painting

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. Fee: \$50

3324 Intaglio

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. Fee \$50

3325 Lithography

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. Fee \$50

3326 Woodcut

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. Fee: \$50.

3327 Screenprinting

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. Fee: \$50

3330 Typography and Conceptual Development

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. (Fee: \$50)

3332 Digital Imaging for Graphic Design

Pre-requisites: 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. (Fee: \$50)

3333 Publication Design

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. (Fee: \$50)

3334 Photography I: Introduction to the Camera and Darkroom

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. Fee: \$50

3336 Photography II: Introduction to Digital Photography and the Digital Lab

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. Fee: \$50

3339 Medium and Large Format Photography

Pre-requisite(s): ART 3336. 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. Fee: \$50.

3340 Hand-Built Ceramics

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. Fee: \$50.

3341 Wheel-Thrown Ceramics

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. Fee \$50.

3344 Wood Sculpture

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. Fee: \$50

3345 Metal Sculpture

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. Fee: \$50.

3350 Jewelry and Metalsmithing

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. Fee: \$50

3V9R Research

0 to 3 sem. hrs.

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.

4312 Figure Drawing IV

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. Fee \$50

4313 Advanced Fabric Design I

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. Fee: \$50

4314 Advanced Surface Design

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. Fee \$50.

4316 Advanced Fabric Design II

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. Fee: \$50

4320 Watercolor Painting

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. Fee: \$50

4321 Advanced Painting I

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. Fee: \$50.

4322 Advanced Painting II

Pre-requisite(s): ART 4321. For Art majors only.

Advanced problems in media selected by the student in consultation with the professor. Fee: \$50.

4323 Advanced Painting III

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. Fee: \$50.

4324 Advanced Printmaking I

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. Fee \$50

4325 Advanced Printmaking II

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. Fee: \$50

4329 Web Design

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. Fee: \$50

4330 Illustration

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. Fee: \$50

4331 Package Design

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. (Fee: \$50)

4332 Identity Design

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. (Fee: \$50)

4333 Portfolio Preparation

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.) Fee: \$50.

4335 Advanced Photography: Digital

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.

4336 Advanced Photography: Special Topics

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. Fee: \$50

4337 Advanced Photography: Portfolio and Exhibition

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. Fee: \$50

4338 Studio Topics in Graphic Design

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. Fee: \$50

4340 Advanced Ceramics I

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. Fee \$50

4341 Advanced Ceramics II

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. Fee: \$50

4342 Advanced Ceramics III

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. Fee: \$50

4343 Advanced Ceramics IV

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. Fee: \$50

4344 Advanced Sculpture I

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. Fee: \$50.

4345 Advanced Sculpture II

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. Fee: \$50

4346 Advanced Sculpture III

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. Fee: \$50.

4347 Advanced Sculpture IV

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. Fee: \$50

4395 Internship in Studio Art

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. Fee: \$50

4V90 Special Problems in Studio Art**1 to 9 sem. hrs.**

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. Fee: \$50

4V9R Research**0 to 3 sem. hrs.**

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)**1300 Introduction to Art (for non-art majors only)**

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.

1V91 Studies in Art History (for non-art majors only)**1 to 4 sem. hrs.**

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.

2302 Survey of Western Art I

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.

2303 Survey of Western Art II

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.

3352 Greek Art and Archaeology (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.

3353 Roman Art and Archaeology (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.

3354 Medieval Art and Architecture

Pre-requisite(s): ARTH 2302 or consent of instructor.

Art created between the fourth and the fourteenth centuries with an emphasis on architecture.

3356 Nineteenth-Century Art History - AAI

Pre-requisite(s): ARTH 2303 or consent of instructor.

Art of nineteenth-century Europe focusing on technique and style with political and social contexts.

3357 Baroque Art History

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.

3359 Northern Renaissance Art

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.

3369 Eighteenth-Century European Art - AAI

Pre-requisite(s): ART 2303 or consent of instructor.

Art of eighteenth-century Europe focusing on technique and style with political and social contexts.

3370 Key Monuments in European Art

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.

3375 Art History Methods and Theory

Pre-requisite(s): ARTH 2302 and 2303.

Primary methods and theories used in the study of the history of art.

3390 Philosophy and the Arts (Cross-listed as PHI 3322)

See PHI 3322 for course information.

3391 Women in Modern and Contemporary Art History - AAI

Pre-requisite(s): ART 2303 or consent of instructor.

Major female artists of the twentieth and twenty-first centuries.

3V9R Research

0 to 3 sem. hrs.

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.

4100 Field Studies in Art History - AAI

Co-requisite(s): Either ART 3356, 3358, 3369, 4354, 4355, 4356, 4357, 4358, 4362, or 4363.

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.

4355 Special Topics in Modern and Contemporary Art History - AAI

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.

4356 Modern American Art History - AAI

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.

4354 Special Topics in 18th- and 19th-Century Art - AAI

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.

4355 Special Topics in Early Modern Art - AAI

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.

4356 Modern American Art - AAI

Pre-requisite(s): ARTH 2302 and 2303; upper-level standing.

Artistic expression in the United States from 1900 to 1945.

4357 American Art - AAI

Pre-requisite(s): ARTH 2302 and 2303; and upper-level standing.

Artistic expression in the United States from the Colonial Period to 1900.

4358 Contemporary Art History- AAI

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.

4359 Special Topics in Art History

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.

4360 History of Impressionism and Post-Impressionism - AAI

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.

4361 Greek Painted Pottery (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.

4362 Modern European Art - AAI

Pre-requisite(s): ARTH 2303; and upper-level standing.

Modern art in Europe from Post-Impressionism to 1945.

4363 Neoclassicism and Romanticism - AAI

Pre-requisite(s): ART 2302; 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.

4364 Roman Sculpture (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.

4365 Italian Renaissance Art History

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.

4366 Mannerism

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.

4367 Special Topics in Italian Renaissance and Baroque Art History

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.

4368 Special Topics in Greek and Roman Art and Archaeology (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.

4369 Greek and Roman Sport and Spectacle (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.

4370 The Art of Michelangelo and His Contemporaries

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.

4396 Internship in Art History

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.

4399 Senior Thesis in Art History

Pre-requisite(s): Consent of instructor and department chair.

Thesis preparing qualified seniors for graduate work in art history.

43C1 Aesthetic Perception and Experience (Cross-listed as ENG 43C1 and MUS 43C1)

See ENG 43C1 for course information.

4V91 Special Problems in Art History**1 to 9 sem. hrs.**

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.

4V9R Research**0 to 3 sem. hrs.**

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)**2380 The Peoples and Culture of Asia**

An introduction to contemporary Asian economy, politics, and society.

3305 Traditional China (Cross-listed as HIS 3305)

See HIS 3305 for course information.

3307 Japan (Cross-listed as HIS 3307)

See HIS 3307 for course information.

3314 Politics and Problems of Developing Countries (Cross-listed as PSC 3314)

See PSC 3314 for course information.

3315 Geography of East Asia

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.

3345 World Religions (Cross-listed as REL 3345)

See REL 3345 for course information.

3390 Special Studies and Projects

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.

3V80 Special Topics in Asian Studies**1 to 6 sem. hrs.**

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.

4305 Modern China (Cross-listed as HIS 4305)

See HIS 4305 for course information.

4310 Societies and Cultures of East Asia (Cross-listed as ANT 4310)

See ANT 4310 for course information.

4325 Asian International Relations (Cross-listed as PSC 4325)

See PSC 4325 for course information.

4335 Asian Economic Development (Cross-listed as ECO 4335 and INB 4335)

See ECO 4335 for course information.

4338 Economic Systems of the World (Cross-listed as ECO 4338 and INB 4338)

See ECO 4338 for course information.

4340 East Asian Philosophy (Cross-listed as PHI 4340)

See PHI 4340 for course information.

4346 Topics in Asian Religions (Cross-listed as REL 4346)

See REL 4346 for course information.

4350 Seminar in Asian Studies

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.

4362 Traditional Music and Culture in Asia (Cross-listed as MUS 4362)

See MUS 4362 for course information.

4364 The Governments and Politics of the Asia-Pacific Region (Cross-listed as PSC 4364)

See PSC 4364 for course information.

4374 Governments and Politics of East Asia (Cross-listed as PSC 4374)

See PSC 4374 for course information.

4376 Asian Literature in Translation (Cross-listed as MFL 4376)

Major writers of the East 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 peculiar to several Asian cultures.

4388 Contemporary Chinese Society and Culture

Pre-requisite(s): AST 2380 or instructor's approval.

Contemporary China's social, cultural, political, and economic changes, transformations, challenges since 1978, through an interdisciplinary approach.

4390 Reading Course in Political Science

Pre-requisite(s): Senior standing and the consent of the chairperson of the department.

A tutorial course designed for advanced study in political science.

4V80 Contemporary Issues in Asian Studies

1 to 3 sem. hrs.

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)**1470 Fundamentals of Air Traffic Control**

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)**1300 Introduction to Aviation**

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

1301 Air Navigation

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.

1302 Private Pilot Ground School (Cross-listed as AIRP 1417.

Pre-requisite(s): Departmental approval required.

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.

1303 Instrument Rating Ground School (Cross-listed as AIRP 1451.

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.

1313 Introduction to Meteorology

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

1331 Private Pilot Flight (Cross-listed as AIRP 1215.

Pre-requisite(s): Credit or concurrent enrollment in AVS 1301, 1302, 1313 and departmental approval required.

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

1332 Instrument Rating Flight (Cross-listed as AIRP 2250.

Co-requisite(s): AVS 1451.

Pre-requisite(s): AVS 1331.

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

1361 Private Pilot Helicopter Flight

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

Pre-requisite(s): Departmental approval required.

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

2151 Multi-Engine Flight

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

Prepares the student for the FAA multi-engine rating.

2236 CFI-A Flight

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.

2304 Commercial Pilot Ground School (Cross-listed as AIRP 2337.

Pre-requisite(s): AVS 1303.

Commercial pilot written exam.

2333 Commercial Flight I (Cross-listed as AIRP 1175.

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.

2334 Commercial Flight II (Cross-listed as AIRP 2239.

Co-requisite(s): AVS 2337.

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.

2349 Certified Flight Instructor Ground School

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.

2362 Instrument/Commercial I Helicopter Flight

Co-requisite(s): AVS 1451.

Pre-requisite(s): A grade of C or better in AVS 1461.

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

2363 Instrument/Commercial II Helicopter Flight

Co-requisite(s): AVS 2337.

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.

3235 Multi-Engine Flight

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.

3236 Certified Flight Instructor Flight

Co-requisite(s): AVS 3305.

Pre-requisite(s): AVS 2334.

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

3305 Flight Instructor Ground School

Pre-requisite(s): AVS 2304.

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

3310 Aviation Law

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.

3311 Aircraft Accident Investigation and Prevention

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

3312 Aviation Safety

Pre-requisite(s): AVS 3311.

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

3315 Advanced Aviation Meteorology

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.

3320 Flight Crew Career Development

Airline, corporate, and military flight operations with emphasis placed on daily operations environments and employment resources in the aviation industry.

3341 Foundations of Unmanned Aircraft Systems

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.

3342 Applications of Unmanned Aircraft Systems

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.

3350 Space Weather

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

3364 CFI Helicopter Flight

Co-requisite(s): AVS 2349.

Pre-requisite(s): AVS 2363.

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

3370 Aviation Leadership (Cross-listed as LDS 3370)

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

3V9R Research**0 to 3 sem. hrs.**

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.

4237 Certified Flight instructor - Instrument Flight

Pre-requisite(s): AVS 2334.

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.

4238 Multi Engine Instructor Flight

Pre-requisite(s): 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.

4265 CFI-I Helicopter Flight

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.

4266 NVG Helicopter Flight

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.

4305 Special Topics in Aviation

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.

4306 Instructor - Instrument Ground School

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.

4310 Aviation Management

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

4314 Advanced Aircraft Systems

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

4315 Aerodynamics

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.

4317 Aerospace Propulsion Systems

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

4318 Avionics System Design (Cross-listed as ELC 4318)

See ELC 4318 for course information.

4321 Energy Economics (Cross-listed as ECO 4321 and ENV 4321)

See ENV 4321 for course information.

4323 The Environment and Economic Analysis (Cross-listed as ECO 4323 and ENV 4323)

See ENV 4323 for course information.

4343 Human Aspects of Unmanned Aircraft Systems

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.

4344 Safety Management of Unmanned Aircraft Systems

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.

4375 Crew Resource Management (CRM) in Aviation

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

4377 Airport Management

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.

4386 Remote Sensing (Cross-listed as BIO 4386, ENV 4386, GEO 4386)

See GEO 4386 for course information.

4390 Internship in Aviation

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.

4395 CFI Practicum - I

Pre-requisite(s): Departmental approval required.

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

4396 CFI Practicum - II

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.

4485 Introduction to Geographic Information Systems (Cross-listed as ENV 4485, GEO 4485)

See GEO 4485 for course information.

4487 Advanced GIS Analysis (Cross-listed as ENV 4487, and GEO 4487)

See ENV 4487 for course information.

4V9R Research

0 to 3 sem. hrs.

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)**1212 Examined Life I: Human Development and College Life**

Co-requisite(s): BIC 1314 and 1413.

Enables freshmen to make sound choices for personal growth through self-reflection, critical thinking, and decision making within the context of the university. Human development and wellness theories are discussed to encourage greater intellectual, physical, emotional, social, and spiritual awareness. Students will be introduced to the goals, structure, and rationale of the BIC, as well as to the academic life of the university. Students will be encouraged to reflect on the enduring value of a liberal arts education and how best to pursue one. Fee: \$75

1314 World Cultures I: Roots of Culture

Co-requisite(s): BIC 1212 and 1413.

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. Fee: \$100

1323 World of Rhetoric II: Rhetoric in Context

Co-requisite(s): BIC 1324.

Pre-requisite(s): BIC 1413.

Focuses on the continued development of critical reading, thinking, and writing skills by building on the instruction and content of BIC 1413, *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.

1324 World Cultures II: Religion and Culture

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. Fee: \$100

1413 World of Rhetoric I

Co-requisite(s): BIC 1212 and 1314.

Pre-requisite(s): Students must be accepted into the Baylor Interdisciplinary Core Program to enroll in BIC 1413.

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.

2330 Social World I: The City and the Soul

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*.

2334 World Cultures III: The Modern World

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. Fee: \$100

2340 Social World II: The Conditions and Possibilities of Human Fulfillment

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*.

2344 World Cultures IV: The United States in the World

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.

2437 The Natural World I: Primary Ideas in Science

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. Fee: \$100

2447 The Natural World II: Global Science Issues

Pre-requisite(s): BIC 2437.

A continuation of The Natural World I. Fee: \$100

3358 Examined Life II: Biblical Heritage and Contemporary Ethical Issues

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.

4374 World Cultures V: Differing Visions and Realities

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.

4389 Examined Life III Capstone: Special Topics

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. Fee: \$50

BIOINFORMATICS (BINF)

1095 Bioinformatics First-year Seminar

Pre-requisite: 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.

3350 Genomics and Bioinformatics (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.

3360 Introduction to Computational Biology

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.

3V96 Bioinformatics Internship Experience

1 to 3 sem. hrs.

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.

43C9 Bioinformatics Senior Capstone Project

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. Fee: \$150

BIOLOGY (BIO)

1102 Introductory Microbiology Laboratory

Pre-requisite: 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. Fee: \$75.

1103 Human Ecology Lab: Our Place in Nature

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.

1105 Modern Concepts of Bioscience Laboratory

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 Pre-requisite or a course requirement for a degree, major, or minor. Fee: \$75

1106 Modern Concepts of Bioscience Laboratory

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 Pre-requisite or a course requirement for a degree, major, or minor. Fee: \$75.

1125 Freshman Biology Resource Seminar

An examination of the breadth of careers in biology and the resources available to biology majors, including an introduction to the faculty and facilities of the Department of Biology, analysis of scientific data, and writing in the sciences.

1302 Introductory Microbiology

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.

1303 Human Ecology: Our Place in Nature

Ecological issues in the media, including ecosystems and biodiversity. For non-majors.

1305 Modern Concepts of Bioscience

Unifying principles common to all levels of biological organization, with emphasis on cell biology, metabolism, and genetics. BIO 1305 is not a Pre-requisite 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 Pre-requisite or a course requirement for a degree, major, or minor.

1306 Modern Concepts of Bioscience, continued

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 Pre-requisite or a course requirement for a degree, major, or minor.

1401 Current Issues in Human Biology

An introductory course for non-biology majors examining biological issues in the current media, focusing primarily on the human subject. Fee: \$75

1405 Investigations of Modern Biology Concepts I

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 Pre-requisite or a course requirement for a degree, major, or minor. Fee: \$130

1406 Investigations of Modern Biology Concepts II

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 Pre-requisite or a course requirement for a degree, major, or minor. Fee: \$130.

1V90 Individual Topics

1 to 9 sem. hrs.

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. Fee: \$150

1V9R Research

0 to 3 sem. hrs.

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.

2106 Genetics Laboratory

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.

(0-3) Fee: \$75

2201 Biology of Global Health

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.

2306 Genetics

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. (3-0)

2401 Human Anatomy & Physiology of Motion & Innervation

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. (3-3) Fee: \$75

2402 Human Anatomy & Physiology of Metabolism & Processing

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. (3-3) Fee: \$75

2V9R Research

0 to 3 sem. hrs.

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.

3100 Seminar in Biology

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.

3103 Ecology Laboratory

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. Fee: \$75

3110 Biology Education Theory

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.

3111 Learning Assistant Planning and Practice

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.

3122 Human Physiology Lab

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. Fee: \$75

3124 Laboratory for Entomology

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. Fee: \$100

3300 Advanced Topics in Biology

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.

3303 Ecology

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.

3315 Introduction to Environmental Health (Cross-listed as ENV 3314)

See ENV 3314 for course information.

3320 Climate Change Biology

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.

3322 Human Physiology

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.

3324 Entomology

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.

3330 Medical Genetics

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. (3-0)

3341 Marine Field Studies (Cross-listed as GEO 3341)

See GEO 3341 for course information.

3342 Molecular Cell Biology

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.

3350 Genomics and Bioinformatics (Cross-listed as BINF 3350)

See BINF 3350 for course information.

3366 Foundations of Evolutionary Biology

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.

3429 Comparative Chordate Anatomy

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. (3-3) Fee: \$75

3435 Invertebrate Paleontology (Cross-listed as GEO 3435)

See GEO 3435 for course information.

3V90 Individual Topics**1 to 3 sem. hrs.**

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. Fee: \$150

3V9R Research**0 to 3 sem. hrs.**

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.

4001 Achievement Test

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.

4102 General Microbiology Lab

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.

4104 Medical Entomology Laboratory

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. Fee: \$100

4105 Aquatic Ecosystems Laboratory

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.

4106 Molecular Genetics and Genomics Laboratory

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. Fee: \$120

4108 Genes and Development Laboratory

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.

Co-requisite(s): BIO 4308.

Modern experimental techniques of developmental biology. Fee: \$75

4109 Advanced Study of Genes and Development

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.

4117 Plant Physiology Lab

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 adaption.

4123 Laboratory for Parasitology

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. Fee: \$100

4199 Scientific Communication

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.

4301 Immunology

Pre-requisite(s): BIO 2306 and one of the following: BIO 3342, 4306, or 4308; 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. (3-0)

4302 General Microbiology

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.

4304 Medical Entomology

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.

4305 Aquatic Ecosystems

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.

4306 Molecular Genetics and Genomics

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.

4307 Biochemistry and Physiology of the Cell

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.

4308 Genes and Development

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.

4310 Biogeography

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. (3-0)

4312 Viruses and Global Health

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.

4317 Plant Physiology

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.

4320 Pathophysiology

Pre-requisite(s): BIO 3322 with a grade of C or better.

Pathophysiology of disease with emphasis on immunology, communicable disease, neoplasia, heredity, congenital problems, and degeneration as expressed in each organ system.

4323 Parasitology

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.

4331 Science Leadership: Community-Based Research

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.

4333 Science Leadership: Improvement of Science Education

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.

4339 Advanced Marine Field Studies (Cross-listed as GEO 4339)

See GEO 4339 for course information.

4344 Fundamentals of Toxicology (Cross-listed as ENV 4344)

See ENV 4344 for course information.

4350 Pathogenic Microbiology

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.

4354 Neglected Tropical Diseases

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.

4365 Topics in Evolution

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. (3-0)

4381 Restoration Ecology (Cross-listed as ENV 4380)

See ENV 4380 for course information.

4386 Remote Sensing (Cross-listed as AVS 4386, ENV 4386, GEO 4386)

See GEO 4386 for course information.

4405 Limnology

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. (2-6) Fee: \$75

4406 Aquatic Biology

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. (2-6) Fee: \$75

4415 Human Evolutionary Anatomy (Cross-listed as ANT 4416)

See ANT 4416 for course description.

4416 Plant Anatomy

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. (2-6) Fee: \$75

4418 Biology of Wetland and Aquatic Vascular Plants

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. (4-3) Fee: \$75

4420 Biology of the Vertebrates

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. (3-3) Fee: \$75

4422 Ichthyology

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. (2-6) Fee: \$75

4426 Vertebrate Histology

Pre-requisite(s): BIO 3322 with a grade of C or better.

Microscopic structure of vertebrate tissues and organs. (3-3) Fee: \$75

4427 Biology of Mammals

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. Fee: \$75

4428 Ornithology

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. (3-3) Fee: \$60

4430 Vertebrate Paleontology (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. (3-3) Fee: \$75

4431 Comparative Vertebrate Physiology

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. Fee: \$150

4432 General Human Anatomy

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. Fee: \$150.

4V04 Biology Field Studies**1 to 9 sem. hrs.**

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. Fee: \$75

4V75 Clinical Laboratory Science Internship**6 to 12 sem. hrs.**

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.

4V90 Advanced Research Project**1 to 3 sem. hrs.**

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.

4V9R Research**0 to 3 sem. hrs.**

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)**4353 Image Formation and Processing (Cross-listed with ELC 4353)**

See ELC 4353 for course information.

4357 Cardiovascular Engineering and Instrumentation (Cross-listed as EGR 4357, ELC 4357 and ME 4357)

Pre-requisite(s): 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.

4370 Biomaterials: Form and Function

Pre-requisite(s): 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. (3-0) Fee: \$50

4372 Bioinstrumentation (Cross-listed as ELC 4372)

See ELC 4372 for course information.

4374 Biomechanics

Pre-requisite(s): 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. (3-0) Fee: \$50

4376 Introduction to the Design and Evaluation of Medical Devices

Pre-requisite(s): 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.

4396 Special Topics in Biomedical Engineering

Pre-requisite(s): Consent of department chair.

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

4452 Biomedical Digital Signal Processing

Pre-requisite(s): 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. (3-3)

4V97 Special Projects in Biomedical Engineering

1 to 6 sem. hrs.

Pre-requisite(s): Consent of department chair.

Advanced topics and/or special project activities in biomedical engineering.

BUSINESS (BUS)

1101 Connecting to the Hankamer School of Business

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.

1201 Introduction to Business

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. Fee: \$50

1305 Software Applications for Personal Productivity

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.

1350 Software Application for Business Productivity and Decision-Making

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.

2101 Career Management (Assessment & Discovery) for Undergraduate Students

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. Fee: \$50

2222 Introduction to Energy Commerce

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.

3101 Career Management (Strategy & Success) for Undergraduate Students

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. Fee: \$50

3302 Personal Financial Decisions

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.

3303 Managerial Communications

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.

3310 Multinational Business

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.

3315 Business Communications

Pre-requisite(s): Pre-requisite(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. Fee: \$50

3345 Training and Development in Business and Industry

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.

3350 Christian Ethics Applied to Business

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.

4370 Biblical Research Applied to Business

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.

4380 Business Excellence and Scholarship Team (BEST)

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.

4385 Strategic Management

Pre-requisites: 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.

4V95 Energy Commerce Internship**1 to 6 sem. hrs.**

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.

4V98 Special Studies in Business**1 to 3 sem. hrs.**

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)**3305 Legal Environment of Business**

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.

4303 Employment Law

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.

4310 Cyberlaw

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?

4320 International Business Law (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.

4325 Legal Aspects of Financial and Commercial Transactions

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.

4345 Global Trade Compliance (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.

4V98 Special Studies in Business Law

1 to 3 sem. hrs.

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)**1086 Chapel Forum**

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.

1087 Chapel with Traditional Worship

Co-requisite(s): U1000 or BU1000.

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.

1088 University Chapel

Centered in brief worship experiences that involve the reading of scripture, praying and singing together, and hearing God's word shared.

1090 Chapel Studies

Chapel alternatives available to students who have unique circumstances, particular academic majors, or certain interests and passions. Each meeting opens with a Scripture, prayer, and other expressions of Christian worship. Topics include faith and vocation, praying the Psalms, the Gospels and missions related to daily devotion, and a life that considers how to serve others. May not be repeated.

1091 Chapel Prayers

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)**1V9R Research****0 to 3 sem. hrs.**

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.

2V9R Research**0 to 3 sem. hrs.**

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.

3V9R Research**0 to 3 sem. hrs.**

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.

4V9R Research**0 to 3 sem. hrs.**

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.

1100 Introductory Chemistry Laboratory

Pre-requisite(s): Credit or concurrent registration in CHE 1300.

Laboratory investigations of chemical reactions and properties of common, everyday materials. Fee: \$92

1101 General Chemistry Laboratory I

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. Fee: \$92

1102 General Chemistry Laboratory II

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. Fee: \$92

1146 Introductory Organic Biochemistry Laboratory

Pre-requisite(s): Credit or concurrent registration in CHE 1341.

Laboratory experiments illustrating principles of organic chemistry and biochemistry. Fee: \$92

1300 Introductory Chemistry

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.

1301 Basic Principles of Modern Chemistry I

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.

1302 Basic Principles of Modern Chemistry II

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.

1341 Introductory Organic Biochemistry

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.

1405 Chemistry and Society

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. Fee: \$92

1V98 Special Research Problems

0 to 3 sem. hrs.

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.

2416 Laboratory Measurements and Techniques

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. Fee: \$98

2V98 Extended Research Problems

0 to 3 sem. hrs.

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.

3238 Organic Chemistry Laboratory

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. Fee: \$98

3331 Organic Chemistry I

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.

3332 Organic Chemistry II

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.

3341 Biochemistry of Nutrition

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.)

3361 Forensic Analytical Chemistry

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.

4001 Exit Examination

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.

4141 Modern Biochemistry Laboratory

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. Fee: \$95

4142 Advanced Biochemistry Laboratory

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. Fee: \$95

4151 Undergraduate Seminar I

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.

4199 Senior Thesis

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.

4207 Preparative Inorganic Chemistry

Pre-requisite(s): CHE 3238, 4302, and either 4225 or 4227; or consent of instructor.

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. Fee: \$92

4217 Instrumental Analysis Laboratory

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. Fee: \$98

4225 Biophysical Chemistry Laboratory

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. Fee: \$95

4227 Physical Chemistry Laboratory I

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. Fee: \$98

4228 Physical Chemistry Laboratory II

Pre-requisite(s): CHE 4125 or 4127, 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. Fee: \$92

4237 Advanced Organic Laboratory

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. Fee: \$92

4302 Descriptive Inorganic Chemistry

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.

4307 Advanced Inorganic Chemistry

Pre-requisite(s): CHE 4321 and 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.

4316 Instrumental Analysis

Pre-requisite(s): CHE 4321 or 4327.

Introduction to instrumental methods of analysis including spectroscopy, separations, and electrochemical methods.

4321 Physical Chemistry I

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.)

4322 Physical Chemistry II

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.

4327 Physical Chemistry for the Life Sciences

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.)

4332 Organic Chemistry III

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.

4334 Organic Spectroscopy

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.

4341 General Biochemistry

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.)

4342 Topics in Human Biochemistry

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.

4V60 Special Topics in Chemistry**1 to 4 sem. hrs.**

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.

4V98 Senior Research Problems**0 to 3 sem. hrs.**

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.

CHILD AND FAMILY STUDIES (CFS)

1315 Development of Individual and Family Relationships

An introductory study of individual development integrating interpersonal and intrafamily relationships across the family life course. (3-0)

2355 Child Development

Physical, intellectual, emotional, and social development from birth to middle childhood. One hour each week working with children in a community setting is required. (3-0) Fee: \$70

2357 Adult Development

Physical, intellectual, spiritual, social, and emotional development in adulthood, emphasizing developmental tasks in adulthood.

3304 Introduction to Research

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.

3324 Children and Families with Special Needs

Social, educational, and vocational challenges faced by families with children with special needs.

3325 Child Health Programs

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.

3350 Individual and Family Financial Management

Study of individual and family financial decisions, planning and management. (3-0)

3354 Family Life Education and Ethics

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.

3356 Theories of Family Development

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. (3-0)

3357 The Preschool Child

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. (3-0) Fee: \$70

3358 Infant and Toddler Development

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). Fee: \$65

3362 Child Life Theory and Practice

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.

4191 Professional Practices in Child and Family Studies

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.

4340 Resource Management

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. (3-0)

4356 The Family: A Global Perspective

Families around the world: functions, roles, responsibilities, environmental influences, and interactions with other societal institutions.

4357 Child and Family Policy and Advocacy

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. (3-0)

4358 Planning and Administration of Child and Family Programs

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. (3-0) Fee: \$65

4359 Parenting

Factors to consider in becoming a parent, child-rearing practices, diverse parenting situations, and parent-child communication. (3-0)

4363 Adolescent Development

Pre-requisite(s): CFS 2355 and Upper-level standing.

The psychosocial, social-emotional, and cognitive language development of adolescents.

4364 Child and Family Ministry

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. (3-0)

4367 Family Transitions, Stress, and Resilience

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.

4368 Family Perspectives on Aging

Pre-requisite(s): Upper-level standing.

A study of normative aging processes within the family context. (3-0)

4390 Child and Family Studies Practicum

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. Fee: \$50

4695 Internship in Child Life

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)**1101 Chinese Language Workshop**

For music students, supplemental language training to accompany regular 1301 language sections.

1102 Chinese Language Workshop

For music students, supplemental language training to accompany regular 1302 language sections.

1301 Elementary 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 through novice proficiency levels. Fee: \$50.

1302 Elementary Chinese

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. Fee: \$50.

2310 Intermediate Chinese

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. Fee: \$50

2320 Intermediate Chinese for Communication

Pre-requisite(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). Fee: \$50

3301 Chinese Conversation, Composition, and Readings I

Pre-requisite(s): Fourteen semester hours of Chinese or consent of division director.

Development of communication and reading skills.

3302 Chinese Conversation, Composition, and Readings II

Pre-requisite(s): Fourteen semester hours of Chinese or consent of division director.

Continuation of CHI 3301.

3305 Chinese for Business I

Pre-requisite(s): CHI 2320 or four years of high school Chinese.

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.

3306 Chinese for Business II

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.

3310 Chinese Language and Culture through Films

Pre-requisite(s): CHI 2320, 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).

3V70 Special Problems

1 to 3 sem. hrs.

Pre-requisite(s): Consent of division director.

With content changed, this course may be repeated once for credit.

3V9R Research

0 to 3 sem. hrs.

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.

4301 Chinese Literature and Culture I

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.

4302 Chinese Literature and Culture II

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.

4V9R Research

0 to 3 sem. hrs.

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)**1300 Special Topics in Classics**

Introductory topics in Classical literature and culture not covered by regular course offerings. May be repeated once with a change in content or topic.

1301 Word Power

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.

1304 From Ancient Rhetoric to Modern Research Writing

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.

1305 Heroes and Heroines of the Ancient World

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, Vladamir Propp, and Claude Levi-Strauss.

1V9R Research**0 to 3 sem. hrs.**

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.

2300 Special Topics in Classics

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.

2301 Literature of Ancient Greece

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.

2302 Literature of Ancient Rome

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.

2306 Greek and Roman Mythology

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.

2310 Greek and Roman Religion

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.

2V9R Research**0 to 3 sem. hrs.**

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.

3300 Special Topics in Classics

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.

3301 Roman History and Civilization (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.

3302 Greek History and Civilization (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.

3303 Hellenistic History and Civilization (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.

3310 Ancient Epic

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.

3311 Greek Tragedy

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.

3315 Ancient Drama in Performance

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.

3321 Topography of Rome and Pompeii

Detailed study of the buildings and monuments of Ancient Rome and Pompeii. Readings include primary sources and analyses of excavated material.

3330 Women and Gender in Antiquity

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.

3340 Race and Ethnicity in Classical Antiquity

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.

3350 Ancient Warfare

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.

3352 Greek Art (Cross-listed as ARTH 3352)

See ARTH 3352 for course description.

3353 Roman Art (Cross-listed as ARTH 3353)

See ARTH 3353 for course information.

3380 Classical Mythology

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.

3381 Medical Terminology

Study of the medical vocabulary of English, based upon Greek and Latin prefixes, stems, and suffixes.

3V9R Research

0 to 3 sem. hrs.

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.

4300 Medicine and Healing in the Ancient World

Survey of the theory, practice, and literature of western scientific medicine from Hippocrates and the Greeks through the Roman period.

4301 Principles of Classical Studies

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.

4311 Archaeology of Greece

Pre-requisite(s): Consent of instructor.

Study of the monuments, art, and topographical archaeology of Greece from the Bronze Age through Late Antiquity.

4315 Ancient Greek Religion

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

Study of Ancient Greek religion through the literary, artistic, and archaeological sources.

4331 The Archaeology of Sicily and Southern Italy

Study of monuments and topographical archaeology of southern Italy and Sicily. Readings include primary sources and analyses of excavated material.

4340 Special Topics in Classics

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.

4350 Augustine's Theological Development (Cross-listed as REL 4350)

See REL 4350 for course information.

4356 Christian Persecution and Martyrdom in the Roman World (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.

4357 Pagans and Christians in the Later Roman World (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.

4360 Indo-European Language and Culture

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.

4361 Greek Painted Pottery (Cross-listed as ARTH 4361)

See ARTH 4361 for course description.

4364 Roman Sculpture (Cross-listed as ARTH 4364)

See ARTH 4364 for course information.

4368 Special Topics in Greek and Roman Art and Archaeology (Cross-listed as ARTH 4368)
See ARTH 4368 for course information.

4369 Greek and Roman Sport and Spectacle (Cross-listed as ARTH 4369)
See ARTH 4369 for course information.

4V01 Topics in Classical Literature **1 to 3 sem. hrs.**
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.

4V9R Research **0 to 3 sem. hrs.**
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.

COMMUNICATION SCIENCES AND DISORDERS (CSD)

1308 Survey of Speech Pathology and Audiology
An introduction to the nature and causes of speech, language, and hearing disorders and speech-language pathology as an educational and clinical field.

1360 Introduction to Deaf Education
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.

1405 American Sign Language I
Introduction to American Sign Language and Deaf culture: grammar, lexicalized signs, numbers, and basic conversational language. Fee: \$50

1406 American Sign Language II
Pre-requisite(s): CSD 1405.
Continuation of CSD 1405. Fee: \$50

2301 American Sign Language III
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. Fee: \$50

2302 American Sign Language IV
Pre-requisite(s): Minimum grade of C- in CSD 2301.
Continuation of CSD 2301: conversation, composition, grammar review, cultural readings, and ASL literature. Fee: \$50

2318 Language Development
Linguistic theory and language development in normal children.

2351 Introduction to Phonological Science
Introduction to the phonological rules and processes of American English and an examination of descriptive, physiological, and acoustic phonetics.

2357 Adult Development
Physical, intellectual, spiritual, social, and emotional development in adulthood, emphasizing developmental tasks in adulthood.

2360 Oral Deaf Education Principles and Practices

Techniques for developing spoken language in children with hearing loss using therapy, linguistic knowledge, technology, and practice.

3308 Introduction to Speech Sound Disorders

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.

3310 Principles of Interpreting

The profession of interpreting, including Code of Ethics, certification criteria, roles and responsibilities of an interpreter, and compensation.

3311 American Sign Language V

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.

3312 Deaf Culture

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.

3313 Linguistics of American Sign Language

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.

3357 Anatomy and Physiology

A study of the anatomy and physiology of speech.

3359 Neuroscience in Communication Sciences and Disorders

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.

4249 Clinical Application of Speech-Language Pathology

Pre-requisite(s): CSD 4477 or concurrent enrollment.

Clinical application of approaches for identifying, assessing, and treatment of individuals with communication disorders. Fee: \$50

4301 Introduction to Clinical Audiology

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.

4302 Language Disorders in Children

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.

4305 Technology and Science in Communication Sciences and Disorders

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.

4308 Disorders of Speech and Swallowing

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.

4309 Medical Speech Pathology

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.

4312 Advanced Clinical Audiology

Pre-requisite(s): CSD 4301.

Routine and advanced audiologic measures, including masking and evoked-potential tests. Practical clinical experiences.

4322 ASL/English Interpreting I

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. Fee: \$50

4323 ASL/English Interpreting II

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. Fee: \$50

4352 Diagnostic Methods

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.

4358 Speech Science

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.

4360 Language and Literacy Instruction for the Deaf I

Pre-requisite(s): CSD 1360.

Contemporary practices in teaching literacy for Deaf/Hard of Hearing students, including bilingual assessment and intervention. Requires practicum hours.

4361 Language and Literacy Instruction for the Deaf II

Pre-requisite(s): CSD 4360.

A continuation of CSD 4360. Requires practicum hours.

4368 Introduction to Aural Rehabilitation

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.

4477 Clinical Methods

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.

4660 Internship I Deaf and Hard of Hearing EC-12 Part 1

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.

4661 Internship I Deaf and Hard of Hearing EC-12 Part 2

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.

4662 Internship II Deaf and Hard of Hearing EC-12 Part 1

Co-requisite(s): CSD 4663.

Pre-requisite(s): Minimum grade of B in both CSD 4660 and 4661.

Continuation of CSD 4660.

4663 Internship II Deaf and Hard of Hearing EC-12 Part 2

Co-requisite(s): CSD 4662.

Pre-requisite(s): Minimum grade of B in both CSD 4660 and 4661.

Continuation of CSD 4661.

4V30 Fingerspelling

1 to 3 sem. hrs.

Pre-requisite(s): CSD 1405, 2302.

Expressive and receptive fingerspelling, emphasizing whole-word phrase recognition, as well as on reading fingerspelling embedded in signed sentences. May be repeated for up to a total of three credit hours.

4V85 Special Problems in Communication Sciences and Disorders

1 to 3 sem. hrs.

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.

4V86 Health Science Leadership: Community Engagement and Service-Learning

1 to 3 sem. hrs.

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.

4V87 Health Science Leadership: Applied Research**1 to 3 sem. hrs.**

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.

4V98 Health Science Leadership: Community Engagement and Service-Learning**1 to 3 sem. hrs.**

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)**1301 Fundamentals of Public Communication**

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. Fee: \$50

1302 Speech for Business and Professional Students

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. Fee: \$50

1304 Argumentation, Discussion, and Debate

A study of reflective thinking and intentional reasoning as applied to college discussion and debate. Application made to current topics. Fee: \$50

1305 Introduction to Communication

Foundational areas and research methods for the study of communication, including rhetoric and organizational, interpersonal, and nonverbal communication.

2264 Contest Speaking

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.

2265 Contest Speaking

Continuation of CSS 2264.

3247 Advanced Debate

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.

3248 Advanced Debate

Continuation of CSS 3247.

3302 Introduction to Rhetorical Theory and Criticism

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.

3304 Small-Group Communication

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. Fee: \$50

3305 Advanced Public Speaking

Pre-requisite(s): CSS 1301, 1302, or 1304.

Preparation and presentation of extemporaneous and written public speeches. Fee: \$50

3306 Interviewing

Pre-requisite(s): CSS 1301, 1302, or 1304.

Application of communication theory to interview situations with emphasis on developing and using effective strategies. Fee: \$50

3307 Legal Communication

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.

3310 Communication Theory

Pre-requisite(s): CSS 1301, 1302, or 1304.

Survey of the theories of human communication.

3311 Interpersonal Communication

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.

3312 Nonverbal Communication

Pre-requisite(s): CSS 1301, 1302, or 1304.

Nonverbal codes in human interaction in various communication situations.

3314 Cross-Cultural Communication

Pre-requisite(s): CSS 1301, 1302, or 1304.

The theory and research of cross-cultural communication, exploring similarities and differences in communication across cultures.

3316 Persuasion and Communication

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.

3393 Rhetoric and Contemporary Culture

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.

3395 Theories and Methods of Visual Communication

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.

4301 Organizational Communication

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.

4302 Communication Training and Development

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. Fee: \$50

4303 Leadership and Communication

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.

4304 Advanced Small Group Theory and Practice

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.

4305 Nonprofit Organizational Communication

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.

4306 Advanced Interviewing

Pre-requisite(s): CSS 3306 or consent of instructor.

Application of survey and probing interview techniques with emphasis on career development.

4310 Politics and Communication (Cross-listed as PSC 4310)

See PSC 4310 for course information.

4311 Conflict and Communication

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

The role of communication in managing conflict in interpersonal, group, organization, and community contexts.

4312 Systemic Inquiry

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.

4313 Communication and the Family

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.

4314 Communication Assessment in Organizational Settings

Pre-requisite(s): CSS 4301 or consent of instructor.

Design and implement a communication assessment of for-profit or non-profit organizations.

4315 Health Communication

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.

4316 Advanced Interpersonal Communication

Pre-requisite(s): CSS 3311 and Upper-level standing or consent of instructor.

Advanced survey of theory and research regarding communication and personal relationships.

4317 Narrating Health Across Culture

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.

4318 Communication and New Technology

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.

4336 Seminar in Contemporary Communication Issues

Pre-requisite(s): Consent of instructor.

Seminar topics vary each semester. May be repeated once with change in topic.

4350 Rhetoric of Women and Gender

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.

4351 Criticism of Contemporary Public Address (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.

4352 Corporate Advocacy and Public Policy

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.

4353 Public Discourse and Foreign Policy (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.

4354 African American Communication (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.

4380 Internship in Communication

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.

4394 Rhetorical Theory

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.

4395 Visual Rhetoric

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

Theories and methodologies pertaining to visual rhetoric.

4396 American Rhetoric

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.

4397 Public Discourse and the Classic Liberal Tradition

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.

4399 Workshop in Directing the Speech Program

Pre-requisite(s): Consent of instructor.

Intended primarily for directors of speech activities in high schools and colleges. May be repeated once for credit.

4V85 Special Problems in Communication**1 to 6 sem. hrs.**

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)**1095 Computer Science First-year Seminar**

Pre-requisite: 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.

1130 Introduction to Python for non-majors

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.

1302 Introduction to Computer Science Education

The uses of computers in the teaching environment. A broad range of computer education topics will be covered which will satisfy state and/or national certification requirements in the area of computer literacy. (Applicable B.S.Ed., but not to a major in computer science.) Fee: \$70

1303 Applications of Information Technology

Use of the Internet, CD-ROM databases, and other electronic and traditional resources for finding and evaluating information. Topics covered will include a history of information processing, the hardware and software systems required, social and ethical issues, and information search strategies. Fee: \$70

1336 Introduction to Programming with Engineering Applications

Pre-requisite(s): EGR 1302.

Introduction to programming and software design in C featuring elementary data structures and engineering application areas.

1337 Introduction to Video Game Design

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. Fee: \$50

1340 Introduction to Computer Science II

Pre-requisite(s): CSI 1430.

Continuation of CSI 1430. Introduction to basic aspects of recursion, search/sort methods, and data structures using C++.

1401 Introduction to Programming I

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.

1402 Introduction to Programming II

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.

1430 Introduction to Computer Science I with Laboratory

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. Fee: \$100

1440 Introduction to Computer Science II with Laboratory

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. Fee: \$100

1V90 Special Topics in Freshman Computer Science

1 to 4 sem. hrs.

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.

2300 Introduction to Data Science (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.

2334 Introduction to Computer Systems

Pre-requisite(s): Minimum grade of B in CSI 1440 or C in CSI 1402; 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.

2350 Discrete Structures

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.

3101 Computers in Society

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.

3303 Information Technology

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).

3305 Computational Strategies for Collaborative Problem Solving

This course is an introduction to problem solving from an algorithmic point of view. Techniques covered include logic, sequential execution, conditional execution, looping, and functional decomposition. These elements are not taught as an end in themselves, but rather the intent is to equip students to think about how computation can be a valuable and accessible tool to solve problems in their own areas of specialization. Real problems drawn from many different disciplines motivate the basic concepts in the course. Lab-based assignments include solving given problems using a high-level programming language. (Not applicable to a major in computer science.) Fee: \$100

3324 Numerical Methods (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.

3331 Survey of Programming Languages

Pre-requisite(s): CSI 3334.

An introduction to the syntax and semantics of programming languages. Actual programming languages are used to illustrate the concepts and virtual architectures of procedural, functional, and object-oriented languages. Fee: \$70

3333 Simulation Models

Pre-requisite(s): CSI 1430 and MTH 1321.

Introduction to simulation and comparison with other techniques. Simulation methodology including generation of random numbers, design of simulation experiments for optimization, analysis of data generated by simulation experiments, and validation of simulation models and results. Fee: \$50

3334 Data Structures

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.

3335 Database Design and Applications (Cross-listed as DSC 3335).

Pre-requisite: CSI 3344 with a grade of C or better or CSI 2300 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. Fee: \$50

3336 Systems Programming

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. Fee: \$50

3338 Computer Organization (Cross-listed as ELC 3338)

See ELC 3338 for course information.

3342 Principles of Software Design

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. Fee: \$70

3344 Introduction to Algorithms

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.

3371 Software Engineering I

Co-requisite: 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.

3372 Software Engineering II

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. Fee: \$50

3373 Software Quality Assurance and Testing

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.

3374 Software Project Management

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.

3439 Computer Architecture

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. Fee: \$100

3471 Software Engineering I

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. Fee: \$50

3V90 Special Topics in Intermediate Computer Science**1 to 4 sem. hrs.**

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.

3V95 Internship Experience**1 to 3 sem. hrs.**

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.

4010 Undergraduate Research Seminar

Pre-requisite(s): Consent of instructor.

Introduction of computer science research opportunities to interested computer science undergraduates.

4111 Cybersecurity Laboratory

Co-requisite(s): CSI 3334

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.

4144 Competitive Learning

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.

4301 Cultural Impact of the Computer

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.

4320 Instructional Applications of Computers

Pre-requisite(s): Consent of instructor.

Teaching strategies for teaching about and with the aid of computing, overview of inservice/preservice teacher training programs, certification, CAI, and CBTS. (Applicable to teacher certification in computer science but not to a major in computer science.)

4321 Data Communications

Pre-requisite(s): Minimum grade of C in CSI 3336.

Fundamentals of computer networking including data transmission, communication software, protocols, simple networks, and internetworking.

4322 Numerical Analysis (Cross-listed as MTH 4322)

See MTH 4322 for course information.

4323 Introduction to Cybersecurity

Co-requisite(s): CSI 3335 and 4321.

Pre-requisite(s): CSI 3336 and 3471.

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.

4325 Advanced Cybersecurity

Pre-requisite(s): CSI 4321 and 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.

4328 Numerical Linear Algebra (Cross-listed as MTH 4328)

See MTH 4328 for course information.

4330 Foundations of Computing

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.

4331 Programming Language Design and Implementation

Pre-requisite(s): CSI 4330.

Design and implementation of high-level languages, focusing on compiler design and implementation. Topics include data types, control structures, and the relationship between syntax and semantics. Course project includes designing and programming a compiler.

4335 Database Design I

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. Fee: \$70

4336 Introduction to Computation Theory

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.

4337 Introduction to Operating Systems

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. Fee: \$50

4341 Computer Graphics

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. Fee: \$50

4342 Gaming Platform Frameworks

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. Fee: \$100

4344 Object-Oriented Development

Pre-requisite(s): CSI 3342.

Object-oriented analysis and design methods. Group software projects.

4350 Introduction to Artificial Intelligence

Pre-requisite(s): CSI 3344.

Artificial intelligence techniques and methodology which treat knowledge and knowledge representation, formal logic, (classical propositional logic, first order predicate logic, automated theorem proving), pattern recognition; natural and programming language processing, (syntax, contextual constraints, semantics, compilers, LISP, PROLOG). (3-0)

4352 Introduction to Data Mining

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.

43C8 Gaming Capstone Design Project

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. Fee: \$150

43C9 Capstone Design Project

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. Fee: \$150

4V96 Special Topics in Computer Science

Pre-requisite(s): Consent of department chair.

1 to 9 sem. hrs.

COMPUTER SCIENCE FELLOWS (CSF)

3001 Independent Reading Survey

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.

3101 Advanced Readings and Research I

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.

3102 Advanced Readings and Research II

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.

4001 Senior Exit Survey

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.

4302 Fellows Thesis

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.

4V01 Research/Fellows Thesis I

1 to 3 sem. hrs.

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)

3309 Curriculum and Instruction for All-Level Certification

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.

3319 Christian Education for Family Life Ministries

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.

3336 Adult Literacy Instruction

A study of adult literacy instructional techniques and materials. A practicum is included.

DATA SCIENCE (DSC)

3335 Database Design & Application (Cross-listed as CSI 3335)

See CSI 3335 for course information.

4320 Data Visualization

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.

ECONOMICS (ECO)

1305 Issues in Economics for Non-Business Majors

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.

1380 Introduction to Economic Analysis and Policy

Pre-requisite(s): Admission in the University Scholars Program, Baylor Business Fellows Program, 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.

2306 Principles of Microeconomics

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.

2307 Principles of Macroeconomics

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.

3305 Money and Banking

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.

3306 Intermediate Microeconomic Analysis

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.

3307 Intermediate Macroeconomic Analysis

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.

3308 Engineering Economic Analysis

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.)

3331 International Economics

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.

3355 Introduction to the Economics of Poverty and Discrimination (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.)

3390 Topics in Economics

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.

4306 Welfare Economics

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.

4312 Business Cycles and Forecasting

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. Fee: \$50

4314 Behavioral and Experimental Economics

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.

4316 Economics of Firms, Industries, and Markets

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.

4317 The Economics of Regulation

Pre-requisite: 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.

4318 Law and Economics

Pre-requisite: 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.

4319 Game Theory

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.

4320 The Economics of Government

Pre-requisite: A minimum grade of C in ECO 3306

Sources of public revenues, problems of the revenue system, public expenditures and budgeting, and public borrowing.

4321 Energy Economics (Cross-listed as AVS 4321 and ENV 4321)

See ENV 4321 for course information.

4323 The Environment and Economic Analysis (Cross-listed as AVS 4323 and ENV 4323)

See ENV 4323 for course information.

4325 Urban and Regional Economic Analysis

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.

4333 Foreign Exchange Markets (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.

4334 Economic Development (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.

4335 Asian Economic Development (Cross-listed as AST 4335 and 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.

4336 Economics of Labor

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.

4338 Economic Systems of the World (Cross-listed as AST 4338 and 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.

4343 History of Economic Thought

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.

4345 Mathematical Analysis in Economics

Pre-requisite: A minimum grade of C in ECO 3306.

Designed to acquaint the student with rudimentary mathematical techniques and their application to economic analysis.

4347 Econometrics

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. Fee: \$50

4349 Causal Inference and Research Design

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.

4350 Economics of Health and Medical Care

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.

4351 Data Science I

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.

4352 Data Science II

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.

4355 Economics of Poverty and Discrimination (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.

4380 Economic Reasoning and Policy Analysis

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 is 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.

4390 Advanced Topics in Economics

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.

4V98 Special Studies in Economics**1 to 6 sem. hrs.**

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)**2305 Technology-based Communication Tools - A**

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.

2306 Technology-based Communication Tools - B

Pre-requisite(s): EDU 2305.

Continuation of EDU 2305.

2V99 Foreign Study/Teacher Education**1 to 15 sem. hrs.****EDUCATIONAL LEADERSHIP (EDL)****4363 Philosophy, Principles, and Administration of Human Performance (Cross-listed as HP 4363)**

See HP 4363 for course information.

EDUCATIONAL PSYCHOLOGY (EDP)**2336 The Developing Child**

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.

2350 Teaching Gifted and Talented

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.

2360 Teaching Special Education

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.

3324 Learning and Development

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.)

3325 Introduction to Educational Psychology

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.)

3327 Assessment Theory and Exceptionality

A study of the process of collecting data for the purpose of assessing individual differences and making decisions about the education of exceptional students.

3330 Early Childhood Intervention (ECI): An Interdisciplinary Approach

An introductory course in child development is recommended as a Pre-requisite. 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.

3334 Collaborative Consultation in Special Education

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.

3361 Developmental Disabilities

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.

3362 Teaching Associate Special Education Part II

Pre-requisite(s): EDP 3660

Co-requisite(s): EDP 3379.

This practicum provides a field experience in the assessment, education, and management of students with moderate, severe, and profound disabilities.

3368 Assessment of Students with Mild Disabilities

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.

3376 Applied Behavior Analysis

Analysis and management of problem behaviors. Emphasized topics include behavior measurement techniques, functional assessment procedures, and behavior intervention methods.

3379 Education of Students with Moderate-Severe Disabilities

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.

3470 Literacy for Students with Special Needs

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. Fee: \$60

3650 Teaching Associate Gifted Education Part I

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.

3660 Teaching Associate Special Education Part I

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.

4341 The Adult Learner

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.

4350 Introduction to the Gifted Child

Historical overview of the field, definitions, basic terminology, theories, models, and characteristics of the gifted and talented. A brief overview of identification procedures, program prototypes, teacher characteristics, and curriculum models is also provided.

4351 Differentiated Instruction

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.

4352 Exceptionalities

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.

4379 Education of Students with Moderate-Severe Disabilities

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.

4383 Adapting Instruction for Special Needs Learners

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.

4468 Math for Learners with Special Needs

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.

4650 Internship Gifted and Talented Part I

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.

4651 Internship for Gifted and Talented Part II

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.

4660 Internship Special Education Part I

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.

4661 Internship Special Education Part II

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.

4662 Internship Special Education Part III

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.

4663 Internship Special Education Part IV

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.

4V75 Practicum: Teaching in Today's Schools

1 to 6 sem. hrs.

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 & COMPUTER ENGINEERING (ELC)**2130 Electrical Circuit Laboratory**

Co-requisite(s): ELC 2330.

Laboratory experience in electrical circuit design using discrete components, standard bench equipment, and simulation in modern CAD software. Fee: \$150

2137 Digital Logic Design Laboratory

Co-requisite(s): ELC 2337.

Pre-requisite(s): EGR 1302 or CSI 1336.

Laboratory experience in digital circuit design using modern CAD tools and programmable logic devices. Fee: \$150

2320 Electric Circuit Theory for non-ECE majors

Pre-requisite(s): Completion of EGR 1302 with a grade of B or better, MTH 1322, and credit or concurrent enrollment in PHY 1430.

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.

2330 Electrical Circuit Theory

Co-requisite(s): ELC 2130.

Pre-requisite(s): Completion of EGR 1302 with a grade of B or better, MTH 1322, and credit or concurrent enrollment in PHY 1430.

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.

2337 Digital Logic Design

Co-requisite(s): ELC 2137

Pre-requisite(s): Completion of EGR 1302 with a grade of B or better.

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).

2V97 Special Topics or Project (Cross-listed as EGR 2V97)

1 to 3 sem. hrs.

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. Fee: \$50

3314 Electronic Design Laboratory

Pre-requisite(s): ELC 2130 and credit or concurrent enrollment in ELC 3314.

Laboratory experience in electronic design. Fee: \$150

3314 Electronic Design

Pre-requisite(s): CHE 1301 and ELC 2330 and credit or concurrent enrollment in ELC 3335 and ELC 3114.

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.

3331 Electrical Networks and Systems

Pre-requisite(s): 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.

3335 Signals and Systems

Pre-requisite(s): ELC 2330, MTH 2311 and 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. (3-0)

3336 Microprocessor Systems

Pre-requisite(s): ELC 2337 and either CSI 1336 or 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. (3-0) Fee: \$150

3337 Applied Electromagnetic Fields

Pre-requisite(s): 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. (3-0)

3338 Computer Organization (Cross-listed as CSI 3338)

Pre-requisite(s): ELC 2137, 2337, and 3336 or 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. (3-0) Fee: \$50

4311 Advanced Logic Design

Pre-requisite(s): Credit or concurrent enrollment in ELC 3338.

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.

4318 Avionics System Design (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.

4320 Introduction to Optics

Pre-requisite(s): 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. Fee: \$50

4321 Computational Photonics

Pre-requisite(s): 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.

4322 Integrated Photonics

Pre-requisite(s): 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.

4324 Solid-State Materials

Pre-requisite(s): 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.

4324 Semiconductor Devices

Pre-requisite(s): 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.

4325 Fundamentals of Lasers

Pre-requisite(s): 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.

4330 Introduction to Robotics (Cross-listed with ME 4330)

Pre-requisite(s): MTH 2321 and 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. (3-0) Fee: \$50

4331 Electric Machines and Drives

Pre-requisite(s): ELC 3314 and 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.

4332 Automatic Control Systems

Pre-requisite(s): 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. (2-3) Fee: \$100

4335 Systems Modeling and Control

Pre-requisite(s): ELC 2320 or ELC 2330, and 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. Fee: \$100

4340 Power Systems

Pre-requisite(s): 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.

4345 Power Electronics

Pre-requisite(s): ELC 3314 and 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. (2-3) Fee: \$100

4350 Principles of Communication

Pre-requisite(s): ELC 3335 and STA 3381.

Signal analysis, modulation techniques, random signals and noise, digital transmission, information theory, coding. (3-0)

4351 Digital Signal Processing

Pre-requisite(s): ELC 3335 and 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. (3-0)

4353 Image Formation and Processing (Cross-listed with BME 4353)

Pre-requisite(s): Credit or concurrent enrollment in ELC 3335 and 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. (3-0)

4357 Cardiovascular Engineering and Instrumentation (Cross-listed as BME 4357, EGR 4357 and ME 4357)

See BME 4357 for course information.

4360 Software Systems

Pre-requisite(s): 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. (3-0)

4362 Wireless Sensor Networks

Pre-requisite(s): ELC 3338, ELC 3314, and ELC 3114 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. (2-3) Fee: \$150

4366 Quantum Mechanics for Engineers

Pre-requisite(s): MTH 2311, MTH 3325, and 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.

4367 Introduction to Quantum Computing

Pre-requisite(s): MTH 2311 and 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.

4372 Bioinstrumentation (Cross-listed as BME 4372)

Pre-requisite(s): 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. (2-3)

4377 Solar Energy (Cross-listed as ME 4377)

Pre-requisite(s): ELC 2330 and 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. Fee: \$50

4381 Antennas and Wireless Propagation I

Pre-requisite(s): 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. Fee: \$50

4383 RF/Microwave Circuits I

Pre-requisite(s): 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. Fee: \$150

4384 RF/Microwave Circuits II

Pre-requisite(s): 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. Fee: \$100

4396 Special Topics in Electrical or Computer Engineering

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.

4438 Embedded Systems Design

Pre-requisite(s): 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. (3-3) Fee: \$150

4V97 Special Projects in Electrical or Computer Engineering

1 to 6 sem. hrs.

Pre-requisite(s): Consent of department chair.

Advanced topics and/or special project activities in electrical or computer engineering.

ENGINEERING (EGR)**1101 Engineering New Student Experience**

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.

1301 Introduction to Engineering

Pre-requisite(s): Pre-engineering major. Credit or concurrent enrollment in MTH 1320 or credit 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. (2-3) Fee: \$100

1302 Introduction to Engineering Analysis

Pre-requisite(s): Pre-requisite(s): EGR 1301 with a grade of B or higher, credit or concurrent enrollment in MTH 1321, and Pre-Engineering major.

Introduction to fundamental techniques used in engineering analysis. (2-3) Fee: \$100

2V97 Special Topics or Project (Cross-listed as ELC 2V97)

1 to 3 sem. hrs.

See ELC 2V97 for course information.

2V99 Engineering Research Activities

1 to 3 sem. hrs.

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.

3115 International Project Experience

Pre-requisite(s): 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.

3302 Technologies for Developing Countries

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. Fee \$100.

3305 Social and Ethical Issues in Engineering

Pre-requisite(s): 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. (3-0)

3315 Ethics of International Service

Pre-requisite: Consent of instructor.

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. Fee: \$50

3380 Engineering Design I

Pre-requisite(s): 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. (2-3) Fee: \$150

3V95 Internship Experience

1 to 3 sem. hrs.

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.

4301 Global Business: Economics and Communication

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.

4357 Cardiovascular Engineering and Instrumentation (Cross-listed as BME 4357, ELC 4357 and ME 4357)

See BME 4357 for course information.

4361 Conventional & Alternative Energy Systems

Pre-requisite(s): CHE 1301, PHY 1420, ME 2345 or CHE 4325 or 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.

4375 Elements of Nuclear Engineering

Pre-requisite(s): 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. (3-0)

4376 Radiation Dosimetry in Nuclear Health Physics

Pre-requisite(s): 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.

4390 Engineering Design II

Pre-requisite(s): 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. (2-3) Fee: \$150

4396 Special Topics in Engineering

Pre-requisite(s): Consent of department chair.

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

4V97 Special Projects in Engineering

1 to 6 sem. hrs.

Pre-requisite(s): Consent of department chair.

Advanced topics and/or special project activities in engineering. Fee: \$50

ENGINEERING & COMPUTER SCIENCE (ECS)**1101 ECS Leadership Development Seminar**

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.

1V10 Renaissance Scholar: Technology and the Arts

1 to 3 sem. hrs.

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.

1V90 Special Topics in Freshman Engineering and Computer Science

1 to 4 sem. hrs.

Introductory topics in engineering or computer science. The course may be repeated when topics vary.

3301 Peer Leadership

The class equips students to serve as peer leaders to new students in their first semester at Baylor.

ENGLISH (ENG)

LANGUAGE (ENG)

1300 English as a Second Language: Comprehension

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.

1301 English as a Second Language: Composition Skills

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.

3301 English Words (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.

3302 Modern English Grammar (Cross-listed as LING 3312)

Pre-requisite(s): Upper-level standing.

Study of college-level grammar, with emphasis on syntax, morphology, and usage.

3305 Sociolinguistics (Cross-listed as LING 3315)

See LING 3315 for course information.

3310 Introduction to Linguistics (Cross-listed as ANT 3310 and 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.

4302 Old English Language (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.

4304 History of the English Language (Cross-listed as LING 4314)

Pre-requisite(s): ENG 2301 and upper-level standing.

Origin, growth, and structure of the English language.

4319 American English Dialects (Cross-listed as LING 4319)

See LING 4319 for course information.

LITERARY STUDIES (ENG)

2301 British Literature

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.

2306 World Literature

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.

2310 American Literary Cultures

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.

3311 English Literature through the Sixteenth Century

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.

3331 English Literature of the Seventeenth and Eighteenth Centuries

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.

3351 British Literature from the Nineteenth Century to the Present

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.

3370 Religion and Literature (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.

3371 History of Critical Theory

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.

3372 The Oxford Christians

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.

3374 Short Fiction: A Reading Course

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.

3375 Post-Colonial Literature

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.

3376 African American Literature

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.

3377 The Art of Film

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.

3378 Topics in Literature

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.

3380 American Literature through Whitman

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.

3390 American Literature from Whitman

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.

3393 Literature of the American West and Southwest

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.

4310 Old and Early Middle English Literature

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.

4313 Later Middle English Literature Excluding Chaucer

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.

4314 Chaucer

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.

4316 Special Topics in Medieval Literature

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.

4320 English Drama to 1642

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.

4322 Sixteenth-Century Poetry and Prose

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.

4324 Shakespeare: Selected Plays

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.

4330 Early Seventeenth-Century Poetry and Prose

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.

4332 Milton

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.

4340 English Poetry and Prose from 1660 to 1745

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.

4342 English Poetry and Prose from 1745 to 1798

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.

4344 English Drama from 1660 to 1800

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.

4347 Eighteenth-Century British Novel

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.

4354 Romantic Poetry

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.

4355 Romantic Prose

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.

4360 Victorian Prose

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.

4362 Victorian Poetry

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.

4364 The Brownings

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.

4368 Nineteenth-Century British Novel

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 Brontes, Thackeray, Dickens, Eliot, and Hardy.

4369 Modern British Novel

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.

4370 Women Writers

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.

4371 Modern British Poetry

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.

4372 Modern British and Continental Drama

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.

4374 Special Topics in Literature

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.

4378 Contemporary Novel

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.

4379 Great Books of the Western World

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.

4380 American Renaissance

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.

4381 Early American Literature

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.

4382 Major Authors

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.

4383 American Realism and Naturalism

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.

4384 Contemporary Critical Theory

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.

4385 Contemporary Poetry

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.

4386 Postmodern American Novel

Pre-requisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

American novelists from 1945 to 2000.

4387 Modern American Novel

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.

4388 Christian Literary Classics (Cross-listed as REL 4388)

See REL 4388 for course information.

4389 Postmodern American Poetry

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.

4390 Literature of the South

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.

4391 Modern American Poetry

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.

4394 American Drama

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.

4397 Internship for Literature Majors

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.

43C1 Aesthetic Perception and Experience (Cross-listed as ARTH 43C1 and 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.

4V18 Independent Study in Literature

1 to 3 sem. hrs.

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.

4V98 Maastricht Topics

1 to 4 sem. hrs.

Pre-requisite(s): ENG 2310

Special topics in literature developed in conjunction with Baylor-in-Maastricht program.

WRITING PROGRAMS (ENG)

0300 Developmental English

Intensive instruction in English writing skills, grammar, usage, and reading comprehension, with individualized attention to problem areas. This course is a Pre-requisite 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.

1302 Thinking and Writing

Pre-requisite(s): Students will be required to take the English Placement Exam (EPE) before registering for ENG 1302, 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 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.

1304 Thinking, Writing, and Research

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.

1310 Writing and Academic Inquiry Seminars

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.

3304 Creative Writing: Poetry

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.

3306 Creative Writing: Prose

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.

3307 Screenplay and Scriptwriting

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

Screenwriting and scriptwriting are 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.

3319 Language and Culture (Cross-listed as LING 3319)

See LING 3319 for course description.

3V9R Research

0 to 3 sem. hrs.

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.

4301 Advanced Creative Writing: Prose

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.

4305 Advanced Creative Writing: Poetry

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.

4318 Writing for the Workplace

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.

4395 Special Topics in Creative Writing

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.

4V19 Independent Study in Writing

1 to 3 sem. hrs.

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

Supervised individual writing. Repeat once with change of topic for maximum of six hours.

4V9R Research

0 to 3 sem. hrs.

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.

ENTREPRENEURSHIP (ENT)**3301 Entrepreneurship: Living and Learning**

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.

3315 Starting and Managing a Business

Pre-requisite(s): Pre-requisite(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.

3320 Entrepreneurial Process

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.

3350 International Entrepreneurship (Cross-listed as 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.

3380 Global Perspectives on New Ventures

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.

4310 New Venture Finance: The Entrepreneur's Perspective

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.

4320 Managing the Family Business

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.

4321 Accelerated Ventures: Launch

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.

4322 Accelerated Ventures Capstone

Pre-requisite(s): ENT 4310; only open to Entrepreneurship majors.

Accelerated Ventures Capstone (AVC) provides an integrative an 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.

4325 Entrepreneurial Leadership

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.

4330 Corporate Entrepreneurship: Initiating and Sustaining Innovation

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.

4340 Technology Entrepreneurship (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.

4351 Entrepreneurship in the European Union

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.

4352 Technology Entrepreneurship in Asia

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.

4353 Social Entrepreneurship and Economic Development

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.

4354 Entrepreneurship in Latin America

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.

4360 Franchising: Franchisee and Franchisor Perspectives

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.

4370 Baylor Angel Network Practicum II

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.

4380 Social Entrepreneurship: Microfinance and Economic Development in Africa

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.

4395 Entrepreneurship Internship

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.

4398 Special Studies in Entrepreneurship

Consent of instructor; not open to pre-business students.

4V50 International Technology Entrepreneurship Summer Study Abroad 1 to 6 sem. hrs.

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.

ENVIRONMENTAL SCIENCE (ENV)**1101 An Introduction to Environmental Analysis (Lab)**

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. Fee: \$85

1103 Wildlife Ecology Laboratory Exercises

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. Fee: \$80

1301 Exploring Environmental Issues

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.

1303 Wildlife Ecology

Introduction to wildlife identification, populations, life histories, behavior and habitats and the role of wildlife in ecological communities and ecosystems.

1305 Freshman Environmental Seminar

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.

1309 Introduction to Environmental Sustainability

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. Fee: \$50

1V9R Research**0 to 3 sem. hrs.**

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.

2307 Ecology for a Changing World

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.

2376 Environment and Society

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.

2V9R Research**0 to 3 sem. hrs.**

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.

3100 Environmental Health Seminar

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.

3103 Seminar on Environmental Topics

Seminars by faculty and visiting speakers on various topics in environmental studies. May be repeated once, with different content.

3106 Conserving Biodiversity (Lab)

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. Fee: \$150

3108 Marine Environments Laboratory

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. Fee: \$150

3133 Analytical Analysis of Water Quality

Pre-requisite: 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. Fee: \$100

3137 Wildlife Management Methods

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. Fee: \$130

3187 Environmental Chemistry Laboratory

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. Fee: \$120

3188 Laboratory Methods in Environmental Assessment and Monitoring

Co-requisite(s): ENV 3187.

Pre-requisite(s): ENV 1301, 1101, 2307, and 3210.

Lab expands upon concepts learned in ENV 3210 by providing techniques that determine biological responses to stressors. Fee: \$120

3210 Field Techniques for Environmental Science

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

3216 Air Quality and Monitoring Laboratory

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. Fee: \$95

3300 The Environment and Political Processes (Cross-listed as PSC 3300)

See PSC 3300 for course information.

3301 Team Research in Environmental Studies

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. Fee: \$100

3303 Directed Reading in Environmental Studies

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.

3306 Conserving Biodiversity

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.

3308 Marine Environments and Biodiversity

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.

3314 Introduction to Environmental Health (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.

3316 Introduction to Air Quality

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.

3320 Environment and Human Behavior (Cross-listed as ANT 3320)

See ANT 3320 for course information.

3333 Watershed Assessment

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.

3337 Principles of Wildlife Management

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.

3370 Managing Environmental Health and Safety

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.

3387 Environmental Chemistry

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.

3V90 Individual Research Problems**1 to 3 sem. hrs.**

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. Fee: \$100

3V93 Environmental Sustainability Internship**1 to 3 sem. hrs.**

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. Fee: \$50

3V9R Research**0 to 3 sem. hrs.**

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.

4102 Seminar on Environmental Topics

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.

4170 Fundamentals of Ecotoxicology Laboratory

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. Fee: \$120

4199 Senior Thesis I

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.

4287 Field and Laboratory Tests

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. Fee: \$100

4299 Senior Thesis II

Pre-requisite(s): Credit or concurrent enrollment in ENV 4199.

Preparation of information and data analysis in appropriate thesis form.

4302 Team Problem Solving in Environmental Studies

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. Fee: \$120

4304 Aquatic Chemistry

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.

4306 Economic Anthropology (Cross-listed as ANT 4306)

See ANT 4306 for course information.

4307 Environmental Law (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.

4308 Air Quality Regulation

Reviews history and policy of United States, transboundary, and global air pollution and resulting environmental regulations.

4310 World Food Problems (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.

4313 Agricultural Ecology

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.

4315 Research Methods

Pre-requisite(s): ENV 1301 and 2376.

Research design and methods. Students produce a comprehensive research proposal in their major field(s) of study.

4318 Heavy Metals & Global Public Health

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.

4322 Climate Anthropology (Cross-listed as ANT 4321)

See ANT 4321 for course information.

4323 The Environment and Economic Analysis (Cross-listed as AVS 4323 and 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.

4325 Human Health Risk Assessment

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. Fee: \$60

4327 Human Catastrophe and Cultural Response (Cross-listed as ANT 4327)

See ANT 4327 for course information.

4330 Urban Political Processes (Cross-listed as PSC 4330)

See PSC 4330 for course information.

4331 Social Demography (Cross-listed as SOC 4331)

See SOC 4331 for course information.

4332 Science Leadership: Community Environmental Research (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.

4333 Coastal Zone Management

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.

4335 Applied Environmental Impact Analysis

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. (3-0)

4337 Environmental Sustainability and Religion

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.

4340 Environmental Archaeology (Cross-listed as ANT 4340 and ARC 4340)

See ANT 4340 for course information.

4344 Fundamentals of Toxicology (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.

4345 Water Management (Cross-listed as GEO 4345)

Interdisciplinary field of water management. Scientific, technical, institutional, economic, legal, and political aspects of water management. Fee: \$50

4349 Pollution Abatement and Prevention Systems

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.

4350 Development and Indigenous Peoples (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.

4351 Futuristics (Cross-listed as ANT 4351)

See ANT 4351 for course information.

4354 Water Treatment

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.

4355 Principles of Renewable Resource Management

Theory, principles, and management of renewable resources to meet human needs. Field trips to management activities will be included. (3-0)

4362 Applied Anthropology (Cross-listed as ANT 4362)

See ANT 4362 for course information.

4365 The Environment and Energy

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.

4369 Seminar in Anthropology (Cross-listed as ANT 4369)

See ANT 4369 for course information.

4370 Fundamentals of Ecotoxicology

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.

4371 Wetlands (Cross-listed as GEO 4371)

See GEO 4371 for course information.

4373 Environmental Biodegradation and Bioremediation

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.

4374 Global Soil Systems (Cross-listed as GEO 4373)

See GEO 4373 for course information.

4375 Natural Landscape Evaluation and Planning (Cross-listed as GEO 4375)

See GEO 4375 for course information.

4377 Advanced Studies in Wilderness, Parks, and Nature Reserves

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. Fee: \$100

4379 Ecosystem Planning and Management

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.

4380 Restoration Ecology (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. (3-0)

4386 Remote Sensing (Cross-listed as AVS 4386, BIO 4386, and GEO 4386)

See GEO 4386 for course information.

4389 American Environmental History (Cross-listed as HIS 4388)

See HIS 4388 for course information.

4390 Chemical Investigation and Remediation

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.

4393 Environmental Ethics (Cross-listed as REL 4393)

See REL 4393 for course information.

4394 Internship in Environmental Education

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.

4397 Tropical Environments: Ecology and Sustainable Management

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. Fee: \$120

43C2 Environmental Capstone

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. Fee: \$50

4410 Humans and Environmental Change

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. Fee: \$150

4450 Applied Forest Ecology

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. Fee: \$100

4485 Introduction to Geographic Information Systems (Cross-listed as AVS 4485, GEO 4485)

See GEO 4485 for course information. Fee: \$50

4487 Advanced GIS Analysis (Cross-listed as AVS 4487, and 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. Fee: \$50

4613 Field School in Environmental Studies

Pre-requisite(s): Consent of instructor.

Application of the scientific method to the investigation and resolution of an environmental issue. Fee: \$200

4680 Field School in Cultural Anthropology (Cross-listed as ANT 4680)

See ANT 4680 for course information.

4V13 Special Topics in Field and Laboratory Methodologies

1 to 3 sem. hrs.

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. Fee: \$150

4V50 Problems**1 to 3 sem. hrs.**

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.

4V90 Advanced Individual Research Problems**1 to 3 sem. hrs.**

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. Fee: \$100

4V93 Internship in Environmental Planning or Management**1 to 3 sem. hrs.**

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. Fee: \$50

4V9R Research**0 to 3 sem. hrs.**

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)**4367 Family Transitions, Stress, and Resilience**

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)**1101 New Student Seminar in Film & Digital Media**

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.

1197 Practicum in Production

Supervised practical experience in video and/or audio production. May be repeated for three credit hours.

1198 Practicum in Grip and Lighting Equipment

Pre-requisite(s): Consent of instructor.

Supervised practical experience and development of proficiency with common grip and lighting equipment and practices.

1199 Practicum in Video and Audio Equipment

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.

1303 Introduction to Mass Communication (Cross-listed as JOU 1303)

The mass media, how they operate, and how they affect society.

1304 Visual Literacy: Sight, Sound, Motion

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.

1309 Introduction to Film

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.

1V9R Research**0 to 3 sem. hrs.**

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.

2351 History of Motion Pictures

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.

2352 History of Radio and Television

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.

2360 Production Methods

An introduction to single-camera, multiple-camera, and audio production using basic video and audio equipment. Fee: \$195

2V9R Research**0 to 3 sem. hrs.**

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.

3315 Broadcast Writing (Cross-listed as JOU 3315)

See JOU 3315 for course information.

3320 Business of Media

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.

3321 Media Programming

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.

3361 Production Methods II

Pre-requisite(s): 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. Fee: \$120

3372 Writing for Media Markets (Cross-listed as JOU 3372)

See JOU 3372 for course information.

3373 Screenwriting

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.

3374 Television Writing

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.

3380 Sound Design (Cross-listed as THEA 3380)

See THEA 3380 for course information.

3V9R Research

0 to 3 sem. hrs.

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.

4313 Diffusion of Innovations

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.

4314 Digital Media Technologies

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.

4330 Survey of French Cinema (Cross-listed as FRE 4330).

See FRE 4330 for course information.

4340 Media and Society

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.

4341 Electronic Culture

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.

4342 Art and the Moving Image

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.).

4343 Film and Video Aesthetics: Theory and Criticism

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, film and video criticism, and visual aesthetics. Dramatic narrative (fiction), documentary (non-fiction), and non-narrative subjects will be analyzed.

4347 Communication and Culture

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).

4361 Audio Production

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 soundtracks. Fee: \$110

4362 Short Film Production

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. Fee: \$115

4363 Advanced Digital Production

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. Fee: \$170

4364 Interactive Media

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. Fee: \$115

4365 Lighting and Cinematography

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.

4366 Post Production

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. Fee: \$110

4367 Film and Video Direction

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. Fee: \$85

4369 Producing

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.

4373 Advanced Screenwriting

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.

4380 Topics in Media History

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.

4381 Topics in Media Management and Technology

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.

4382 Topics in Media Storytelling

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.

4384 Topics in National Media

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.

4388 Topics in Media Production

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. Fee: \$160

4396 Topics in Media Genres

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.

4397 Topics in Contemporary Cinema

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.

4V03 Internship in Electronic and Film Media**1 to 3 sem. hrs.**

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.

4V30 Seminar in Electronic and Film Media**1 to 3 sem. hrs.**

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.

4V85 Special Problems in Telecommunication**1 to 3 sem. hrs.**

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.

4V98 Electronic and Film Media Workshop**3 to 6 sem. hrs.**

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. Fee: \$125

4V9R Research**0 to 3 sem. hrs.**

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.

4371 Advanced Sound Design (Cross-listed as THEA 4384)

See THEA 4384 for course information.

FINANCE (FIN)

3100 Stock Market Operations

The role of the stock exchanges, stockbrokers, and brokerage firms in facilitating the trading of stock.

3301 Personal Finance

Pre-requisite(s): A minimum grade of C in ACC 2301 or 2303. (This course will not count toward the BBA degree if taken concurrently with, or after completing BUS 3302.)

A study of personal financial decisions that individual must make in today's world. Topics include budgeting and household liquidity; personal income taxes; charge accounts, credit cards, and consumer loans; personal insurance including life, health and disability, homeowners, and auto; investments including stocks, bonds, mutual funds, and tangible assets; buying and financing homes, automobiles, and other consumer durables; and wills, trusts, and estate planning.

3305 Principles of Risk Management and Insurance

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.

3309 Introduction to Finance

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 Pre-requisites.

3310 Introduction to Corporate Finance

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.

3405 Principles of Real Estate

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 (including an overview of licensing as a real estate broker and salesperson), marketing, appraising, real estate investment, and taxation. Additional topics include law of agency, contracts, distinctions between personal and real property, real estate mathematics, government fair housing and fair lending law, land use planning, market and feasibility analysis, zoning (including urban problems and environmental hazards), primary and secondary markets, and real estate management. This is a four-credit hour course that has been approved by the Texas Real Estate Commission as one of the required courses for those seeking a Texas real estate sales license.

4186 Practicum in Small-Cap Investing II

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.

4285 Practicum in Small-Cap Investing I

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.

4310 Entrepreneurial Finance

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.

4311 Fundamentals of Life and Health Insurance

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.

4315 Baylor Angel Network Practicum

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.

4320 Fundamentals of Property and Liability Insurance

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.

4329 Real Estate Appraisal

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.

4331 International Business Finance (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.

4332 Employee Benefit Planning

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.

4335 Business Risk Management

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.

4339 Real Estate Investments

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.

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.

4340 Real Estate Finance

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 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.

4350 Financial Modeling

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.

4360 Advance Corporate Finance

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.

4361 Short-Term Financial Management

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.

4363 Mergers and Acquisitions

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.

4365 Investment Analysis

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.

4366 Options, Futures, and Other Derivatives

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.

4367 Seminar in Personal Financial Counseling

Pre-requisite(s): FIN 3301, FIN 4311, FIN 4365, and ACC 4377; not open to pre-business students.

The student will be required to apply a knowledge of investments, insurance, taxation, retirement benefits, and estate planning through case analysis. Actual financial plans will be constructed, and students will gain experience in financial consulting. This course will prove beneficial to students desiring a CFP (Certified Financial Planner) or ChFC (Chartered Financial Consultant).

4370 Financial Analysis and Banking

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.

4381 Practicum in Portfolio Management

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.

4387 Seminar in Contemporary Financial Economics

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 integrates economic theories of market structure, marginal analysis, and incentive contracts with the finance theories of value creation, market efficiency, and agency conflicts to model specific business behaviors. Mass marketed audiovisual presentations are used to give context to the seminar discussions. Specific topics: investment banking, international derivative securities, mergers and acquisitions, compensation incentives, labor, and business ethics.

4V97 Special Studies in Real Estate**1 to 6 sem. hrs.**

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.

4V98 Special Studies in Finance**1 to 6 sem. hrs.**

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.

4V99 Special Studies in Risk Management and Insurance**1 to 6 sem. hrs.**

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)**1399 First Year Seminars**

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)

1390 Survey of Forensic Science

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. Fee: \$50

2357 Crime Scene Investigation

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. Includes laboratory exercises, demonstrations, and a mock crime scene workup.

2391 Topics in Forensic Science Methods I

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. Fee: \$50

3310 Bloodstain Pattern Analysis

Pre-requisite(s): FORS 1390 or FORS 2357 or consent of instructor. Anthropology Majors and Forensic Science Minors only.

Recognition of bloodstain pattern evidence, flight characteristics, motion, and force. Includes hands-on activities. Fee: \$75

3320 Trace Evidence

Pre-requisite(s): FORS 1390 or FORS 2357 or consent of instructor. Anthropology Majors and Forensic Science Minors only.

Trace evidence at crime scenes; includes hair, fibers, soils, paint, bloodstains, fluids, and other substances. Fee: \$75

3330 Impression Evidence

Pre-requisite(s): FORS 1390 or FORS 2357 or consent of instructor. Anthropology Majors and Forensic Science Minors only.

Impression evidence at crime scenes; includes fingerprints, footwear, tires, firearms, tool marks, and bite marks. Fee: \$75

3331 Human Osteology (Cross-listed as ANT 3331)

See ANT 3331 for course information.

3340 Expert Witness Testimony

Pre-requisite(s): FORS 1390 or FORS 2357 or consent of instructor.

The forensic expert witness in the courtroom. Class taught in conjunction with practice court presentations at the Baylor Law School.

3350 Forensic Application of White-Collar Crime

Pre-requisite(s): FORS 1390 or FORS 2357 or consent of instructor.

Investigations of white-collar crimes and their place in forensic science.

3360 Forensic Firearms Evidence

Pre-requisite(s): FORS 1390 or FORS 2357 or consent of instructor. Anthropology Majors and Forensic Science Minors only.

Firearm evidence; includes nomenclature, analytical methods, gunshot residues, ballistics, and shooting incident reconstruction. Fee: \$75

3370 Medicolegal Death Investigation

Pre-requisite(s): FORS 1390 or FORS 2357 or consent of instructor.

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.

3380 Advanced Forensic Investigations

Pre-requisite(s): Instructor consent only.

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.

3392 Topics in Forensic Science Methods II

Pre-requisite(s): FORS 2357, BIO 1105-1305, and CHE 1100-1300; and 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. Fee: \$75

3393 Forensic Analysis of Biological Evidence

Pre-requisite(s): BIO 1306, FORS 2357 or consent of instructor.

A specialized course on biological materials relevant to a legal setting. Topics include microorganisms and bioterrorism, invertebrates, pathology, hair, and human biological materials. Fee: \$75

3394 Forensic DNA Analysis (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. Fee: \$75

4355 Forensic Anthropology (Cross-listed as ANT 4355)

See ANT 4355 for course information.

4359 Death, Injury, and Physical Remains (Cross-listed as ANT 4358)

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. Fee: \$100

4V50 Independent Topics in Forensic Science

1 to 3 sem. hrs.

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)**1101 French Language Workshop**

For music students, supplemental language training to accompany regular 1301 language sections.

1102 French Language Workshop

For music students, supplemental language training to accompany regular 1302 language sections.

1301 Elementary French

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. Fee: \$50.

1302 Elementary French

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. Fee: \$50

1412 Accelerated Elementary French

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. Fee: \$50

2310 Intermediate French

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. Fee: \$50.

2312 Intermediate French for Business

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. Fee: \$50

2320 Passport to the French-Speaking World

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. Fee: \$50

2321 French for Health Professions

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.

3301 Advanced French Grammar

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.

3302 Conversational French

Pre-requisite(s): FRE 2320 or appropriate score on departmental placement exam; or departmental approval.

Conversation, original composition.

3305 Introduction to Commercial French

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.

3306 French Phonetics

Pre-requisite(s): FRE 2320.

A review of the French sound system through practice in pronunciation.

3307 Bon appetit!: Cuisine and Culture in the French-Speaking World

Pre-requisite(s): FRE 2320 or consent of Division Director.

The cuisine and culture of France and the Francophone world.

3308 French and Francophone Pop Culture

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.

3309 French Art in Conversation

Pre-requisite(s): FRE 2320 or consent of Division Director.

Conversation course focusing on French and Francophone art.

3310 Introduction to French Literature

Pre-requisite(s): FRE 2320.

Introduction to French literature through the study of selected major works.

3312 Children's Literature in French

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.

3315 Panorama of French Theater

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.

3320 Conversation and Composition in Paris

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.

3325 Advanced Conversation and Composition

Pre-requisite(s): FRE 2320.

Advanced oral and written communication.

3328 Around the Francophone World in 45 Days

Pre-requisite(s): FRE 2320.

Introduction to Francophone cultures around the world, including arts, films, and literatures.

3330 Introduction to French Cinema

Pre-requisite(s): FRE 2320.

Study of French film for insights into French culture as well as for the enhancement of language skills.

3337 French Civilization

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.

3338 Contemporary France

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.

3340 Paris: A Cultural Overview

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.

3341 Tour de France: Regions and Provinces

Pre-requisite(s): FRE 2320.

The cultural, economic, geographical, and historical aspects of France's regions and former provinces.

3348 A Moveable Feast: An Exploration of Paris and Its Culture

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

3351 Introduction to French Linguistics

Pre-requisite(s): FRE 2320 or division approval.

The systematic study of the sounds, structures, and meanings of the French language and its dialects.

3V70 Special Problems

1 to 3 sem. hrs.

Pre-requisite(s): Consent of division director.

With content changed, this course may be repeated once for credit.

3V9R Research

0 to 3 sem. hrs.

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.

4301 Topics in French Grammar

Pre-requisite(s): FRE 3301 or consent of instructor.

Continued study of French grammar focusing on problematic structures.

4315 Methods of Foreign Language Teaching (Cross-listed with GER 4315 and SPA 4315)

See SPA 4315 for course information.

4328 Francophone Culture and Literature

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.

4330 Survey of French Cinema (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.

4331 French Writers and Ideas I: From Roland to Revolution

Pre-requisite(s): One 3000 level French course or consent of division director.

French literature from its origin through the eighteenth century.

4332 French Writers and Ideas II: From Romanticism to Post-Modernism

Pre-requisite(s): One 3000 level French course or consent of the instructor.

French literature of the nineteenth and twentieth centuries.

4341 French Media

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.

43C0 French Senior Capstone

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.

4V90 Independent Study

1 to 3 sem. hrs.

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.

4V9R Research

0 to 3 sem. hrs.

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)**1302 Freshman Academic Seminar: English**

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.

1304 Freshman Academic Seminar: History

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.

1306 Freshman Academic Seminar: Fine Arts

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.

1311 Freshman Academic Seminar: Modern Languages, Cultures, and Global Communities

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.

1407 Freshman Academic Seminar: Science

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. Fee: \$50

1309 Freshman Academic Seminar: Mathematics

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.

GEOGRAPHY (GEOG)**1300 World Geography**

A description survey of the world's major geographic provinces emphasizing the influence of environment and natural resources on human activity. (3-0)

1310 Cultural Geography (Cross-listed as ANT 1310)

See ANT 1310 for course information.

1404 Physical Geography

Geographic and functional relationships within the physical environment: Earth-Sun relationships, weather, climate, soils, vegetation, and landforms. Weekly laboratory included. Fee: \$50

4316 Geography for Educators

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)**1106 The Earth Through Time, Laboratory**

Pre-requisite(s): GEO 1306 or GEO 1307 or concurrent enrollment.

Counterpart lab to either GEO 1306 or GEO 1307.

1109 Origins of Habitable Worlds, Laboratory

Pre-requisite(s): Credit or concurrent enrollment in GEO 1309.

Counterpart laboratory for GEO 1309.

1306 The Earth Through Time

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.

1307 Evolution and Extinction

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.

1309 Origins of Habitable Worlds

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.

1401 Earthquakes and Other Natural Disasters

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. Fee: \$50

1402 World Oceans

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. (3-2) Fee: \$50

1403 Environmental Geology

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. Fee: \$50

1405 The Dynamic Earth

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. Fee: \$50

1408 Earth Science

A descriptive survey of the earth sciences including astronomy, geology, meteorology, and oceanography. One Saturday field trip required. (3-2) Fee: \$50

1410 Gems and Minerals

Theory and application of gemology. Topics include crystallography, mineral optics, crystallization conditions, identification, and preparation of gemstones.

1V90 Special Problems**1 to 3 sem. hrs.**

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. Fee: \$50

3312 Geography of North America

Regional analysis of physical economic, and cultural phenomena in the United States and Canada with emphasis on Texas.

3313 Regional Geology

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. Fee: \$50

3319 Geophysics

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. Fee: \$75

3325 Earth Materials

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. Fee: \$50

3329 Aqueous Geochemistry

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. Fee: \$50

3341 Marine Field Studies (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. Fee: \$125

3344 Sedimentary Field Studies

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. Fee: \$150

3349 Hydrologic Processes

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. Fee: \$50

3365 Applied Petroleum Geoscience

Pre-requisites: 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. Fee: \$50

3427 Mineralogy

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. Fee: \$50

3430 Petrology

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. Fee: \$50

3435 Invertebrate Paleontology (Cross-listed as BIO 3435)

Pre-requisite (s): Pre-requisite (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. (3-3) Fee: \$50

3442 Field Stratigraphy-Sedimentology

Pre-requisite (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. Fee: \$75

3445 Structural Geology

Pre-requisite (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. (3-3) Fee: \$50

3V9R Research**0 to 3 sem. hrs.**

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.

4300 Senior Thesis

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. Fee: \$50

4301 Senior Colloquium

Pre-requisite(s): Senior level standing

Readings and presentations that emphasize integration of major core courses in the major. Fee: \$50

4302 Mentored Research Experience

Pre-requisite(s): Pre-requisite (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. Fee: \$50

4303 Internship

Pre-requisite(s): Pre-requisite(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. Fee: \$50

4312 Oceanography

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. Fee: \$50

4313 Astronomy

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. (2-1) Fee: \$50

4314 Meteorology

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. Fee: \$50

4322 Global Biogeochemical Cycles

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.

4325 Economic Mineral Deposits

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. Fee: \$50

4328 Sedimentary Petrology

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. Fee: \$50

4331 Evolutionary History of Plants

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. Fee: \$50

4332 Science Leadership: Community Environmental Research (Cross-listed as ENV 4332)

See ENV 4332 for course information.

4335 Volcanology

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. Fee: \$50

4336 Analytical Techniques in Geochemistry

Pre-requisite(s): GEO 3427.

Principles and practice of X-ray fluorescence and electron probe analysis of geologic materials. Includes extensive laboratory work. (2-2) Fee: \$50

4337 Paleocology

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. (2-2) Fee: \$50

4339 Advanced Marine Field Studies (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. Fee: \$50

4340 Geomorphology

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. Fee: \$50

4341 Introduction to Hydrology

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. Fee: \$75

4345 Water Management (Cross-listed as ENV 4345)

See ENV 4345 for course information.

4346 Hydrogeology

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. (2-1) Fee: \$75

4348 Geoarchaeology (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. Fee: \$50

4361 Petroleum Geoscience Concepts

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.

4371 Wetlands (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. Fee: \$50

4373 Global Soil Systems (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. Fee: \$50

4375 Natural Landscape Evaluation and Planning (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.

4386 Remote Sensing (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. Fee: \$50

4389 Quaternary Geology

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. Fee: \$50

4430 Vertebrate Paleontology (Cross-listed as BIO 4430)

See BIO 4430 for course information.

4453 Advanced Three-Dimensional Seismic Interpretation

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. Fee: \$50

4455 Introduction to Seismology

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. Fee: \$50

4457 Geophysical Exploration I

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. Fee: \$50

4458 Geophysical Exploration II

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. Fee: \$60

4459 Engineering Geology

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. (3-4) Fee: \$50

4485 Introduction to Geographic Information Systems (Cross-listed as AVS 4485, ENV 4485)

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. Fee \$50.

4487 Advanced GIS Analysis (Cross-listed as AVS 4487, ENV 4487)

See ENV 4487 for course information.

4656 Geophysical Field Training

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. Fee: \$125

46C3 Capstone Field Experience

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. Fee: \$300

4V90 Special Problems

Pre-requisite(s): Consent of department chair.

Course may be repeated with a change in content or topic. Fee: \$50

1 to 5 sem. hrs.

4V9R Research**0 to 3 sem. hrs.**

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)**1101 German Language Workshop**

For music students, supplemental language training to accompany regular 1301 language sections.

1102 German Language Workshop

For music students, supplemental language training to accompany regular 1302 language sections.

1301 Elementary German

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. Fee: \$50

1302 Elementary German

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. Fee: \$50.

1412 Accelerated Elementary German

Pre-requisite(s): Appropriate score on departmental placement exam or departmental approval.

An intensive course in first-year college German especially for students with two-three years of high school German. Covers the content of GER 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. Fee: \$50.

2310 Intermediate German

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. Fee: \$50

2312 Intermediate German for Business

Pre-requisite(s): GER 1402 or 1412; or appropriate score on departmental placement exam.

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. Fee: \$50

2320 German for Modern Life

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. Fee: \$50

2412 Accelerated Intermediate German

Pre-requisite(s): GER 1402 or GER 1412 or appropriate score on placement exam, and departmental approval.

Intensive course in intermediate German geared towards strong language learners. Content of GER 2310 and GER 2320 in one semester. Emphasis on intermediate-level reading, writing, listening, speaking, and cultural awareness.

3301 German Conversation and Composition

Pre-requisite(s): GER 2320 or appropriate score on departmental placement exam; or departmental approval.

Further development of communication skills. Required of all German majors.

3302 German Reading Development

Pre-requisite(s): GER 2320 or appropriate score on departmental placement exam; or departmental approval.

Development of German reading skills through grammar review and reading of selections from various areas of the arts and sciences.

3311 German Proficiency

Pre-requisite(s): Fourteen semester hours of German (or equivalent of completion of GER 2320).

Systematic review of high-frequency grammar structures, acquisition of new structures, and application of stylistics in a workshop format.

3341 Introduction to German Culture: Germany in the Making

Pre-requisite(s): Upper-level standing or departmental approval.

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.

3343 Baylor in Germany: The Dresden Experience

Pre-requisite(s): GER 2310 or consent of instructor.

Culturally-based course in the Baylor in Germany (Dresden) summer program. Emphasizes issues of German and American identities. May not be offered every summer.

3345 Introduction to German Film: German Culture from Berlin to Hollywood

Pre-requisite(s): Upper-level standing.

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.

3352 Modern German Short Prose

Pre-requisite(s): Fourteen semester hours of German.

Emphasis on German short prose fiction of the twentieth century.

3353 German Drama

Pre-requisite(s): Fourteen semester hours of German.

Emphasis on the drama of the nineteenth and twentieth centuries.

3354 German Poetry

Pre-requisite(s): Fourteen semester hours of German.

Survey of the German lyric.

3355 Exploring the German Literary Tradition

Pre-requisite(s): GER 2320 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.

3356 Kontext Deutschland

Pre-requisite(s): GER 2320 or equivalent, or consent of instructor.

Social and political events and movements viewed through literature, creating a framework for understanding contemporary Germany and the Germans. Taught in German.

3361 Study Abroad: Advanced Language

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.

3363 Study Abroad: Special Topics in Literature

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.

3365 Study Abroad: Special Topics in Culture Studies

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.

3367 Study Abroad: Special Topics in Linguistics

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.

3V70 Special Problems

1 to 3 sem. hrs.

Pre-requisite(s): Consent of division director.

With content changed, this course may be repeated once for credit.

3V9R Research

0 to 3 sem. hrs.

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.

4301 Survey of German Literature

Pre-requisite(s): Seventeen semester hours of German including GER 3301 or consent of instructor.

German literature from Old High German to Enlightenment.

4302 Survey of German Literature, continued

Pre-requisite(s): Seventeen semester hours of German including GER 3301 or consent of instructor.

German literature from Enlightenment to Poetic Realism.

4303 Survey of German Literature, continued

Pre-requisite(s): Seventeen semester hours of German including GER 3301 or consent of instructor.

Survey of German literature from Naturalism to the present.

4305 German Literature of the Classical Period

Pre-requisite(s): Seventeen semester hours of German including GER 3301 or consent of instructor.

Masterpieces of the late eighteenth and early nineteenth centuries with emphasis on Lessing, Schiller, and Goethe.

4306 Goethe's Faust

Pre-requisite(s): Seventeen semester hours of German including GER 3301 or consent of instructor.

Faust I and selected readings from Faust II.

4307 German Literature of the Nineteenth Century

Pre-requisite(s): Seventeen semester hours of German including GER 3301 or consent of instructor.
Emphasis on Romanticism.

4308 German Literature of the Nineteenth Century, continued

Pre-requisite(s): Seventeen semester hours of German including GER 3301 or consent of instructor.
Emphasis on Junges Deutschland and Realism.

4309 German Literature of the Twentieth Century

Pre-requisite(s): Seventeen semester hours of German including GER 3301 or consent of instructor.
Varied readings from modern German literature.

4315 Methods of Foreign Language Teaching (Cross-listed with FRE 4315 and SPA 4315)

See SPA 4315 for course information.

4320 Special Topics in German

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.

4361 Study Abroad: Seminar in Language

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.

4363 Study Abroad: Seminar in Literature

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.

4365 Study Abroad: Seminar in Culture Studies

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.

4367 Study Abroad: Seminar in Linguistics

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.

4V90 Independent Study

1 to 3 sem. hrs.

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.

GERONTOLOGY (GRT)**3305 Introduction to Gerontology (Cross-listed as SOC 3305 and SWO 3305)**

See SOC 3305 for course information.

4393 Sociology of Aging (Cross-listed as SWO 4393 and SOC 4393)

See SWO 4393 for course information.

4395 Aging and Mental Health (Cross-listed as SWO 4395 and SOC 4395)

See SWO 4395 for course information.

GLOBAL ENGAGEMENT (GBL)**0301 Recitation 0 sem. hrs.**

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.

0310 Language in Context

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.

0315 Research Skills 0 sem. hrs.

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.

0329 U.S. Culture 0 sem. hrs.

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.

0337 Critical Thinking

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.

0411 Reading I 0 credit hours

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.

0412 Writing I 0 credit hours

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.

0413 Listening and Speaking I 0 credit hours

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.

0414 Grammar I 0 credit hours

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.

0421 Reading and Writing II 0 credit hours

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.

0423 Listening and Speaking II 0 credit hours

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.

0424 Grammar II 0 credit hours

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.

0431 Reading and Writing III 0 credit hours

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.

0433 Listening and Speaking III 0 credit hours

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.

1101 Developing Intercultural Competence 1 sem. hr.

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.

1102 Intercultural Competence Abroad 1 sem. hr.

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.

1103 Reentry from Study Abroad 1 sem. hr.

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.

1105 Developing Strategic Skills for Global Gateway Students 1 sem. hr.

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.

1205 Transition to the U.S. University II

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.

1305 Transition to the U.S. University System for Global Gateway Students

This course focuses on the study and life skills necessary for success in the American university setting, while also developing academic English language skills.

GREAT TEXTS (GTX)**1301 Introduction to Great Texts**

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.

2301 Intellectual Traditions of the Ancient World: Literature and Thought

Interdisciplinary close reading and discussion of ancient literary texts that establish historic contexts for deliberation regarding society, ethics, knowledge, and imaginative enjoyment.

2302 Medieval Intellectual Traditions: Literature and Thought in Context

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.

3320 Middle Ages

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.

3321 Early Modern Age

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.

3330 Great Texts by Women

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.

3331 Great Texts in Christian Spirituality

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 á Kempis, Luther, Traherne, Law, Bunyan, John and Charles Wesley, Kierkegaard, Sayers, Day, Lewis, Chesterton, and others.

3340 Master Works in Art

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.

3341 Master Works in Drama (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.

3343 Great Texts in the Origins of Science

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.

3350 Great Texts in Leadership

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.

3351 Great Texts in Business

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.

3360 Great Texts on the Principles of the Liberal Arts

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.

3361 Great Texts in the Practice of the Liberal Arts

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 Texas.

4320 Eighteenth and Nineteenth Centuries

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.

4321 Twentieth Century

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.

4330 Dante and the Italian Renaissance

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, Bruni, Ariosto, and Machiavelli may be read. Students will read texts in translation but with frequent reference to the Italian.

4331 Augustine and Aquinas

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.

4332 Master Works in Theology

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.

4340 Master Works in Music

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.

4341 Great Texts in Modern Science

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.

4343 Great Texts Capstone Course

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.

4351 Confession and Autobiography

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.

4360 Internship in the Liberal Arts

Pre-requisites(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.

4371 Epic and Romance in the High Middle Ages

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.

4V99 Special Topics in Great Texts

1 to 3 sem. hrs.

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)**1301 Elementary Greek I**

The basic elements of Classical and Koine Greek and culture, emphasizing both Classical and New Testament authors.

1302 Elementary Greek II

Pre-requisite(s): GRK 1301 or departmental placement.

Continuation of GRK 1301.

1V9R Research

0 to 3 sem. hrs.

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.

2310 Intermediate Greek Prose

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.

2320 Intermediate Greek Poetry

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.

2V9R Research

0 to 3 sem. hrs.

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.

3302 Greek Historians

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor.

The principles of Greek historiography emphasizing Herodotus, Thucydides, and other Greek historians.

3303 Greek Tragedy

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor.

Greek drama, emphasizing Aeschylus, Sophocles, and Euripides.

3305 Classical Rhetoric and the Christian Tradition

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.

3306 Alexander the Great: Reading the Ancient Sources

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor.

Readings on the life and times of Alexander the Great.

3307 Sicilian Narratives

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.

3311 Greek Epigraphy

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.

3351 Advanced New Testament Greek

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.

3352 Hellenistic Greek

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.

3354 Apocalyptic Literature

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.

3V9R Research

0 to 3 sem. hrs.

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.

4301 Readings from Greek Literature

Pre-requisite(s): GKC 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.

4302 Greek Lyric Poetry

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor.

Readings may include selections from Archilochus, Sappho, Alcaeus, Stesichorus, Anacreon, Simonides, and others.

4303 Homer's Iliad

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.

4304 Greek Comedy

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.

4305 Plato: Selected Writings

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.

4306 Aristotle: Selected Writings

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.

4307 Readings in Attic Oratory

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor.

Selections from representative Greek orators, such as Antiphon, Andocides, Lysias, Isocrates and Isaeus.

4308 Greek Prose Composition

Pre-requisite(s): GRK 2310 and 2320 or consent of instructor.

Translation of English text into classical Greek.

4309 The Gods of the Greeks

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.

4310 Stoics and Epicureans: Reading the Ancient Sources

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.

4351 The Gospels and New Testament Criticism

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.

4352 The Septuagint

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.

4353 Lives of the Early Christian Saints

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.

4V01 Readings from Greek Literature**1 to 3 sem. hrs.**

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.

4V9R Research**0 to 3 sem. hrs.**

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)**1350 Dimensions of Health Science Studies**

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.

3311 Essentials of Ethics in Healthcare (Cross-listed as HP 3311)

See HP 3311 for course information.

3V50 Clinical Research Collaboration (Cross-listed as HP 3V50)**1-3 sem. hrs.**

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.

4305 A Biblical Theology of Suffering for Health Care Providers

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.

4V80 Professional Internship in Health**1 to 6 sem. hrs.**

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)

1301 Introductory Hebrew I

An introduction to the orthography, morphology, and syntax of Biblical Hebrew.

1302 Introductory Hebrew II

Pre-requisite(s): HEB 1301.

Continuation of HEB 1301.

2310 Intermediate Hebrew I

Pre-requisite(s): HEB 1302 or its equivalent.

Selected readings in the historic prose of the Old Testament with Hebrew composition.

2320 Intermediate Hebrew II

Pre-requisite(s): HEB 2310 or its equivalent.

Selected readings in the Prophets, Psalter, and Wisdom literature of the Old Testament.

HISTORY (HIS)

1300 The United States in Global Perspective

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.

1305 World History to 1500

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.

1307 World History since 1500

History of major world civilizations and the growth of the modern global community as well as the spread of ideologies and cultures.

1V9R Research

0 to 3 sem. hrs.

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.

2365 History of the United States to 1877

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.

2366 History of the United States since 1877

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.

2370 History of Warfare

Military conflicts and practices throughout history and around the world with emphasis on broad strategy and tactics.

2380 Introduction to Slavic and East European Studies I (Cross-listed as SEES 2380)

See SEES 2380 for course information.

2381 Introduction to Slavic and East European Studies (Cross-listed as SEES 2381)

See SEES 2381 for course information.

2385 Introduction to East Asia

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.

2390 Introduction to Women's and Gender History

Central debates in Women's and Gender History from European, American, and global perspectives. Provides theoretical background and analytical skills for advanced coursework.

2395 History Workshop

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.

2V89 Introduction to Model Organization of American States**1 to 3 sem. hrs.**

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.

2V9R Research**0 to 3 sem. hrs.**

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.

3300 Methods of Oral and Public History

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.

3301 Internship in History

Pre-requisite: HIS 3300.

Internship at an institution or program engaged in public history. Applies themes, ideas, and issues covered in HIS 3300.

3305 Traditional China (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.

3307 Japan (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.

3308 Hitler and the Holocaust (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.

3310 The Middle East

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.

3311 Middle East History 600 - 1798

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.

3315 History of West Africa

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.

3318 History of Modern Africa

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.

3319 Women and Gender in Modern Africa

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.

3320 History of Childhood

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.

3322 Greek History and Civilization (Cross-listed as CLA 3302)

See CLA 3302 for course information.

3323 Hellenistic History and Civilization (Cross-listed as CLA 3303)

See CLA 3303 for course information.

3324 Roman History and Civilization (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.

3325 The British Empire

Pre-requisite(s): Six semester hours of history or consent of instructor.

The British Empire from its rise to decolonization.

3332 Modern India

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.

3340 Russia to 1861

Pre-requisite(s): Six semester hours of history or consent of instructor.

A study of the historical, social, cultural, and intellectual currents of Russia.

3342 Russia since 1861

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.

3344 History of Modern Germany

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.

3353 Pre-Columbian and Colonial Latin America

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.

3355 Modern Latin America

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.

3360 History of the American Presidency

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.

3362 History of Religion in America

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.

3371 History of Black Americans

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.

3380 History of Texas

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.

3384 American Indian History

History of American Indians in the area known as the continental United States from the arrival of the first Europeans to the present day.

3V9R Research**0 to 3 sem. hrs.**

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.

4300 History of Medicine (Cross-listed as MH 4300 and PHI 4300)

See MH 4300 for course information.

4305 Modern China (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.

4312 Modern Middle East History

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.

4313 War and Peace in the Middle East

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.

4316 The African Diaspora

Pre-requisite(s): Nine semester hours of history or consent of instructor.

The history of peoples of African descent in the Diaspora worldwide.

4325 The Vikings

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.

4326 Early Medieval Europe, c. 300-1000

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.

4327 High Middle Ages, c. 1000-1450

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.

4328 Medieval Britain

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.

4329 The Renaissance and Reformation

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.

4330 Medieval Mediterranean World

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).

4331 European Expansion, 1400-1800

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.

4332 Early Modern Europe

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.

4333 French Revolution and Napoleon

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.

4334 A History of Women in Europe to 1200

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.

4335 A History of Women in Europe since 1200

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.

4336 Europe since World War I

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.

4337 Europe from 1815 to 1914

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.

4338 Cultural and Intellectual History of Europe through the Seventeenth Century

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.

4339 Cultural and Intellectual History of Modern Europe

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.

4340 Special Topics in History

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.

4341 Tudor-Stuart Britain

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.

4343 France since 1815

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.

4345 Britain in the Nineteenth Century

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.

4346 Britain in the Twentieth Century

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.

4348 Reading Course in European History

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.

4350 The History of Gender in Latin America (Cross-listed as LAS 4351)

Pre-requisite(s): Pre-requisite(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.

4354 Religion and War in U.S. History

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.

4357 Inter-American Relations

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.

4358 Reading Course in Global History

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.

4362 American Colonial History

Pre-requisite(s): Nine semester hours of history or consent of instructor.

The settlement, growth, and development of Anglo-American colonies in North America. Topics include models of colonization, the development of American individualism, the creating of Atlantic trading systems, the establishment of colonial, political elites and hierarchies, and the social circumstances of women, blacks, and Indians.

4363 American Revolution and Constitution

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.

4365 The Early Republic, 1789-1860

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.

4366 American Legal History to 1877

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.

4368 Civil War and Reconstruction

Pre-requisite(s): Nine semester hours of history or consent of instructor.

Causes, military operations, and aftermath of the American Civil War.

4369 Religion in America, 1877-Present

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.

4371 United States, 1877-1920

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.

4374 United States since 1920

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.

4375 The American Civil Rights Movement

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.)

4377 History of the American Woman, 1600-1865

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.

4378 History of the American Woman Since 1865

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.

4379 The Cold War (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.

4380 The American West

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.

4383 History of the South

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.

4385 The United States in the 1960s

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.

4386 The City in American History

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.

4388 American Environmental History (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.

4391 The Vietnam War

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.

4392 American Foreign Relations since 1919

Pre-requisite(s): Nine semester hours of history or consent of instructor.

Role of the United States as a great power, with emphasis upon the changing attitudes toward world affairs.

4393 American Military History to 1865

Pre-requisite(s): Nine semester hours of history or consent of instructor.

Major military conflicts in North America from European exploration through the American Civil War.

4394 American Military History from 1865

Pre-requisite: 9 semester hours of history or consent of instructor.

Major military conflicts in United States history since the Civil War.

4395 History of American Thought, 1630-1859

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.

4396 History of American Thought, 1859 to Present

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.

4398 Reading Course in American History

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.

**4V89 Advanced Model Organization of American States (Cross-listed as PSC 4V89)
1 to 3 sem. hrs.**

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.

4V9R Research

0 to 3 sem. hrs.

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)

2370 Special Topics in the Honors Program

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.

3100 Advanced Readings & Research

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.

3101 Advanced Readings & Research

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.

3200 Colloquium

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.

3201 Colloquium

Pre-requisite(s): HON 3200.

Continuation of HON 3200.

3455 Research Design

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.

3V70 Readings in the Honors Program

1 to 4 sem. hrs.

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.

4088 Honors Exit Review

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.

4V87 Honors Thesis

1 to 4 sem. hrs.

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)

1101 Theory and Practice in Gymnastics

Pre-requisite(s): Departmental consent required.

An introductory skill course beginning with educational gymnastics and progressing to Olympic gymnastics. Fee: \$50

1102 Theory and Practice in Track and Field

Pre-requisite(s): Department consent required.

An introductory skill course in track and field meeting during the spring semester of the freshman year. Fee: \$50

1103 Theory and Practice in Dance

Pre-requisite(s): Departmental consent required.

A comprehensive skills course in the fundamentals of dance. Included are folk, aerobic, and modern dance skills. Fee: \$50

1108 Elementary School Physical Activities

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.

1144 Theory and Practice in Tumbling and Dance

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. Fee: \$50

1201 Driver Education and Training

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. Fee: \$50

1202 First Aid (Cross-listed as RLS 1202)

Pre-requisite(s): For RLS 1202: RLS majors only; for HP 1202: no Pre-requisite 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. Fee: \$50

1233 Red Cross Water Safety

Pre-requisite(s): Departmental approval required.

The most advanced aquatic course offered for certification by the American Red Cross. Pre-requisites 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. Fee: \$50

1236 Dance Choreography

Pre-requisite(s): A minimum grade of C in HP 1103 or LF 1106 or consent of instructor.

See required courses for the major. Fee: \$50

1420 Human Anatomy

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. Fee: \$50

1421 Introduction to Human Physiology

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. Fee: \$50

2102 Fitness Concepts and Testing Procedures

The acquisition of essential skills and knowledge in fitness education that led 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. Fee: \$50

2304 Advanced First Aid

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. Fee: \$50

2306 Anatomical Kinesiology

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. Fee: \$50

2307 Biomechanics

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. Fee: \$50

2309 Medical Conditions and Pharmacology

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.

2341 Prevention and Care of Athletic Injuries

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. Fee: \$50

2409 Emergency Medical Technician - Basic

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. Fee: \$80

2420 Exercise Physiology

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. Fee: \$50

3136 Innovative Games and Adventure Activities

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. Fee: \$50

3300 Pedagogy of Team Sports

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. Fee: \$50

3301 Pedagogy of Individual Sports

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 Fee: \$50

3302 Pedagogy of Dance

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. Fee: \$50

3311 Essentials of Ethics in Healthcare (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 Pre-requisites.

3320 Fundamentals of Exercise Biochemistry

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.

3330 Research Methods and Design in Exercise Science

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.

3346 Elementary School Physical Education

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.

3368 Adapted Physical Education

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.

3369 Perceptual Motor Skills Development

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.

3381 Fundamentals of Human Performance

Pre-requisite(s): Upper-level standing.

This course examines the goals, objectives, and evaluation of exemplary programs.

3382 Risk Management in HHPR (Cross-listed as RLS 3382)

Pre-requisite(s): Junior level standing; RLS 3382 for RLS majors only; HHPR (EP, HSS, PHSS, HKLS, PEDA, 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.

3V50 Clinical Research Collaboration (Cross-listed as HED 3V50)**1-3 sem. hrs.**

See HED 3V50 for course description.

3V79 Seminar in HHPR**1 to 6 sem. hrs.****4301 Choreography and Production**

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. Fee: \$50

4352 Exercise and Sport Nutrition

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.

4354 Techniques of Strength Training and Conditioning

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. Fee: \$50

4363 Philosophy, Principles, and Administration of Human Performance (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.

4368 Motor Learning and Development

Pre-requisite(s): Upper-level standing. HHPR (EP, HSS, PHSS, HKLS, PEDA, 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 states of skill learning and the advanced skill levels.

4369 Sports Psychology

Pre-requisite(s): Upper-level standing; HHPR (EP, HSS, PHSS, HKLS, PEDA, 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.

4370 Successful Coaching

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.

4372 Sociology of Sport (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.

4375 Exercise Prescription in Health and Disease

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.

4384 Qualitative Analysis of Human Movement

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).

4393 Facilities and Equipment in HHPR (Cross-listed as RLS 4393)

Pre-requisite(s): Upper-level standing; HHPR (EP, HSS, PHSS, HKLS, PEDA, 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.

4396 Religion and Sport (Cross-listed as REL 4396)

See REL 4396 for course information.

4398 Sports-Related Ethics (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.

4450 Exercise Testing and Interpretation I

Pre-requisite(s): Pre-requisite(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. Fee: \$50

4471 Exercise Testing and Interpretation II

Pre-requisite(s): Pre-requisite: 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. Fee: \$50

4V79 Internship in Human Performance**1 to 6 sem. hrs.**

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)**1104 New Student Seminar in Human Sciences and Design**

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. (1-0)

1231 Design and Creative Technologies

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. (2-0) Fee: \$50.

2100 Directed Study in Human Sciences and Design

Pre-requisite(s): Consent of instructor.

Individual study of selected areas of interest in human sciences and design.

2200 Directed Study in Human Sciences and Design

Pre-requisite(s): Consent of instructor.

Individual study of selected areas of interest in human sciences and design.

3100 Applied Undergraduate Research in Human Sciences and Design

Pre-requisite(s): Junior level standing.

In-depth undergraduate research. This class is intended for application-oriented, individualized professor-supervised undergraduate research applications.

3320 Methods of Teaching Human Sciences and Design

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. (3-0)

3321 Curriculum and Evaluation in Human Sciences and Design

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.

3375 Global Perspectives in Housing

Pre-requisite(s): Upper-level standing.

Research and exploration in housing differences around the world as a factor of cultural, political, environmental, economic, and social influences.

4322 Student Teaching in Human Sciences and Design

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.

4332 Occupational Human Sciences and Design

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. (3-0)

4623 Student Teaching in Human Sciences and Design

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.

4V93 Special Studies in Human Sciences and Design Variable:**1 to 3 sem. hrs.**

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)

2410 Integrated Science: Physics, Earth & Space Science

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. Fee: \$50

2420 Integrated Science: Chemistry & Life Science

Pre-requisite(s): Elementary Education Major or consent of instructor.

Prepares students to convey concepts in chemistry and life science. Contains integrated lab component. Fee: \$50

INTERIOR DESIGN (ID)

1313 Interior Design Graphics I

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. (2-4) Fee: \$60

1332 Introduction to Interior Design

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. (2-2)

2090 Sophomore Portfolio Review

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.

2314 Interior Design Graphics II

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. (2-4) Fee: \$60

2315 Building Systems and Codes for Interiors

Pre-requisite(s): A minimum grade of C in ID 1313 and 1332 or consent of the instructor.

Study of building systems and methods, materials, and environmental issues associated with construction, building codes, standards, regulations, life safety, sustainability, and accessibility guidelines and their impact on the design of the built environment. (3-0)

2317 Space Planning

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. Fee: \$60

2318 ID Digital Presentation Techniques

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.

2320 Building Materials and Finishes for Interiors

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. ART 1314 recommended.

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. (2-4) Fee: \$60

2322 Computer-Aided Drafting and Design I

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. (2-4) Fee: \$60

2325 Building Systems for Interiors

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.

2350 Building Codes for Interiors

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.

2375 History of Interiors 1

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.

2395 History of Interiors II

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.

3198 Internship Seminar

Pre-requisite(s): A minimum grade of C in ID 3318 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. (1-0)

3313 History of Interiors I

Survey of architectural styles, interiors, furnishings, and the decorative arts related to major cultures from antiquity through the early 19th century. (3-0)

3317 Lighting for Interiors

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. (3-0)

3322 Computer-Aided Drafting and Design II

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. (2-4) Fee: \$100

3418 Interior Design Studio I

Pre-requisite(s): A minimum grade of C in ADM 2310, ID 2320, 2322, and credit with a minimum grade of C or concurrent enrollment in ID 3317. Successful completion of Sophomore Portfolio Review -ID 2090. ID 3313 and 4313 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. (0-6) Fee: \$120

3426 Interior Design Studio II

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. (0-6) Fee: \$120

4123 Interior Design Capstone Research

Pre-requisite(s): A minimum grade of "C" in ID 3326.

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.

4126 Sustainable Design

Pre-requisite(s): ID 3318 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.

4313 History of Interiors II

Pre-requisite(s): Upper-level standing.

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. (3-0)

4320 Business Practices and Procedures for Interior Design

Pre-requisite(s): A minimum grade of C in ID 4318 or concurrent enrollment.

Business practices and procedures, ethics, project coordination, licensure, and legal aspects related to the interior design profession. (3-0)

4398 Interior Design Internship

Pre-requisite(s): A minimum grade of C in ID 3198 and 3326. ID 3322 recommended.

Supervised internship in an approved design-related work environment.

Minimum of 240 hours.

4418 Interior Design Studio III

Pre-requisite(s): A minimum grade of C in ID 3326 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. (0-6) Fee: \$120

4433 Interior Design Studio IV (Capstone)

Pre-requisite(s): A minimum grade of C in ID 4318 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. (0-6) Fee: \$110

INTERNATIONAL BUSINESS (INB)**3305 Global Business**

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.

3332 Business in the Global Economy

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.

3333 Doing Business Across Cultures

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.

3350 International Entrepreneurship (Cross-listed as ENT 3350)

See ENT 3350 for course information.

4320 International Business Law (Cross-listed as BL 4320)

See BL 4320 for course information.

4325 International Marketing (Cross-listed as MKT 4325)

See MKT 4325 for course information.

4331 International Business Finance (Cross-listed as FIN 4331)

See FIN 4331 for course information.

4333 Foreign Exchange Markets (Cross-listed as ECO 4333)

See ECO 4333 for course information.

4334 Economic Development (Cross-listed as ECO 4334)

See ECO 4334 for course information.

4335 Asian Economic Development (Cross-listed as AST 4335 and ECO 4335)

See ECO 4335 for course information.

4338 Economic Systems of the World (Cross-listed as AST 4338 and ECO 4338)

See ECO 4338 for course information.

4340 Studies in the Caribbean Region

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.

4345 Global Trade Compliance (Cross-listed as BL 4345)

See BL 4345 for course information.

4378 International Accounting (Cross-listed as ACC 4378)

See ACC 4378 for course information.

4398 Special Studies in International Business

Pre-requisite(s): Consent of instructor; not open to pre-business students.

Independent study under the direct supervision of an international business faculty member.

4V98 Special Studies in International Business

1 to 6 sem. hrs.

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)**1101 Italian Language Workshop**

For music students, supplemental language training to accompany regular 1301 language sections.

1102 Italian Language Workshop

For music students, supplemental language training to accompany regular 1302 language sections.

1301 Elementary 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. Fee: \$50.

1302 Elementary Italian

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. Fee: \$50.

2310 Intermediate Italian

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. Fee: \$50

2320 Pathways in Italian Culture

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. Fee: \$50

3301 Advanced Italian Grammar

Pre-requisite(s): ITA 2320 or consent of instructor.

Review of problematic grammar and the study of advanced structures in complex communication.

3302 Italian Conversation, Reading, and Composition

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.

3307 Italian Food Culture

Pre-requisite(s): ITA 2320 or consent of instructor.

Survey of the rich landscape of Italian gastronomy from the Roman Empire to present times.

3308 Italian Pop Culture

Pre-requisite(s): ITA 2320.

Popular culture in Italy as represented in film, music, popular literature, and mass media.

3310 Introduction to Italian Literature

Pre-requisite(s): ITA 2320 (or equivalent) or consent of instructor.

Introduction to Italian literature through the study of selected works.

3320 Conversation and Composition in Tuscany

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.

3330 Italian Through Film

Pre-requisite(s): ITA 2320 (or equivalent) or consent of instructor.

Development of communication skills through viewing and discussing Italian movies.

3337 Italian Civilization

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.

3342 Giro d'Italia: Regions of Italy

Pre-requisite(s): ITA 2320 or consent of instructor.

The geographic, historical, cultural, and economic aspects of Italy's regions.

3348 Florence and Its Cultural Treasures

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.

3V70 Special Problems**1 to 3 sem. hrs.**

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.

3V9R Research**0 to 3 sem. hrs.**

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.

4V9R Research**0 to 3 sem. hrs.**

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)**1101 Japanese Language Workshop**

For music students, supplemental language training to accompany regular 1301 language sections.

1102 Japanese Language Workshop

For music students, supplemental language training to accompany regular 1302 language sections.

1301 Introductory 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 through novice proficiency levels. Fee: \$50.

1302 Elementary Japanese

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. Fee: \$50.

2310 Intermediate Japanese

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. Fee: \$50

2320 Exploring Japan

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. Fee: \$50

3301 Advanced Japanese I

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.

3302 Japanese Culture through Reading

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.

3303 Japanese Conversation and Composition

Pre-requisite(s): JPN 2320.

Further development of communication skills through conversation and composition.

3304 Japanese Civilization

Pre-requisite(s): JPN 3301, 3302, or 3303.

Japanese history and culture in the target language.

3305 Japanese for Business

Pre-requisite(s): JPN 2320 or consent of instructor.

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.

3306 Japanese Cinema

Pre-requisite(s): JPN 2320 or consent of instructor.

Critical analysis of Japanese films from 1950s to present. Designed to develop cultural competence and Japanese proficiency through discussions and presentations.

3352 Japanese Theatre and Culture (Cross-listed as THEA 3352)

See THEA 3352 for course information.

3V70 Special Topics in Japanese

1 to 3 sem. hrs.

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.

3V9R Research

0 to 3 sem. hrs.

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.

4V90 Special Topics in Japanese

1 to 3 sem. hrs.

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.

4V9R Research

0 to 3 sem. hrs.

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)

1303 Introduction to Mass Communication (Cross-listed as FDM 1303)

See FDM 1303 for course information.

1V9R Research

0 to 3 sem. hrs.

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.

2303 Reporting and Writing for Media

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. Fee: \$50

2V9R Research

0 to 3 sem. hrs.

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.

3310 Sportswriting

Pre-requisite(s): JOU 2303 and 3325.

Historical and multi-media perspective on sports reporting through lectures and reporting assignments covering intercollegiate athletic competition.

3315 Broadcast Writing (Cross-listed as FDM 3315)

Pre-requisite(s): For Journalism majors, JOU 2303; 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 writing the news. Fee: \$60

3320 Advertising Procedures (Cross-listed as MKT 3320)

See MKT 3320 for course information.

3321 Advertising Copywriting

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.

3325 Editing

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. Fee: \$50

3355 Media Photography I: Introduction

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. Fee: \$50

3356 Media Photography II: Photojournalism

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. Fee: \$50

3357 Advanced Photography

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. Fee: \$50

3358 Video Journalism

Pre-requisite(s): JOU 3355.

Introduction to video journalism with emphasis on pre-production, camera handling, editing and video storytelling. Fee: \$100

3366 Public Relations for Non-Profit Organizations

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. Fee: \$50

3367 Principles of Advertising and Public Relations

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.

3369 Media Design

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. Fee: \$50

3370 Public Relations Agency

Pre-requisite(s): JOU 3367 and JOU 3369.

Application of public relations principles in an agency setting. Fee: \$50

3372 Writing for Media Markets (Cross-listed as FDM 3372)

Pre-requisite(s): Sophomore or upper-level standing. Not open to Pre-Film and Digital Media majors.

Specialized writing for media markets, including public relations releases, brochures, news reports, and speeches. Fee: \$50

3374 Public Relations Writing

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.

3375 Advanced Reporting and Writing

Pre-requisite(s): JOU 2303.

Experience in news gathering and writing with emphasis on relationships with professional news sources. Lariat laboratory included. Fee: \$50

3376 History of American Journalism

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.

3386 Editorial and Column Writing

Pre-requisite(s): JOU 2303 and 3325.

Fundamentals of writing informative and persuasive editorials and in writing appealing newspaper columns. Fee: \$50

3387 International Communication

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.

3389 Magazine and Feature Writing

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. Fee: \$50

3391 News Internship

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.

3392 Photo Internship

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.

3393 Religious Communication Internship

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.

3394 Advertising Internship

Pre-requisite(s): JOU 3321 and consent of instructor.

Open to journalism majors on approved internships in advertising.

3395 Public Relations Internship

Pre-requisite(s): JOU 4368 and consent of instructor.

Open to journalism majors on approved internships in public relations.

3397 Magazine Publishing

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. Fee: \$50

3V9R Research**0 to 3 sem. hrs.**

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.

4305 Gender, Race & Media

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.

4310 Media Management

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.

4315 Strategic Communications Research

Pre-requisite(s): JOU 3367 or 3320.

Continued research and development of advertising materials, including strategic planning, budgeting, and media allocation, testing and evaluation.

4320 Advertising Management

Pre-requisite(s): JOU 4315.

Structures and procedures for effectively managing advertising production and functions within media and agency environments.

4325 Advanced Editing

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. Fee: \$50

4330 News Media and American Society

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.

4340 Writing and Editing for On-Line Media

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. Fee: \$50

4350 Mass Media and Popular Culture

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.

4359 History of Photography

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.

4360 Documentary Explorations

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. Fee: \$50

4368 Advanced Public Relations

Pre-requisite(s): JOU 2303 and 3367; and upper-level standing.

Researching, planning, implementation and evaluation of public relations campaigns and programs. Includes a public relations internship. Fee: \$50

4371 Public Relations Media Programming

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.

4380 Law and Ethics of Journalism

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.

4385 Data Analytics & Visualization

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.

4390 Advertising and Public Relations Leadership

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.

4398 Public Affairs Reporting

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.

4669 Documentary Summer Field School

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. Fee: \$50

4V80 Radford Seminar

1 to 6 sem. hrs.

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.

4V95 Special Studies

1 to 3 sem. hrs.

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.

4V9R Research

0 to 3 sem. hrs.

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)

1101 Korean Language Workshop

For music students, supplemental language training to accompany regular 1301 language sections.

1102 Korean Language Workshop

For music students, supplemental language training to accompany regular 1302 language sections.

1301 Elementary 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 through novice proficiency levels. Fee: \$50.

1302 Elementary Korean

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. Fee: \$50.

2310 Intermediate Korean

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). Fee: \$50

2320 Intermediate Korean II

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). Fee: \$50

LATIN (LAT)

1301 Elementary Latin I

The basic elements of classical Latin grammar and Roman culture, with readings emphasizing ethics, history, morality, philosophy, and mythology.

1302 Elementary Latin II

Pre-requisite(s): LAT 1301 or departmental placement.

Continuation of LAT 1301.

1401 Beginning Latin

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.

1402 Beginning Latin

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.

1V9R Research**0 to 3 sem. hrs.**

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.

2310 Intermediate Latin Prose

Pre-requisite(s): LAT 1302 or departmental placement.

Selections from Latin prose authors, such as Cicero; review of inflection and syntax.

2315 Intermediate Latin

Pre-requisite(s): LAT 1302 or three units of high school Latin.

Selections from Julius Caesar; review of inflection and syntax.

2320 Intermediate Latin Poetry

Pre-requisite(s): LAT 1302 or departmental placement.

Selections from Latin poets, such as Virgil and Catullus; review of inflection and syntax.

2401 Intermediate Latin (Prose)

Pre-requisite(s): LAT 1402 and consent of instructor.

Selections from representative Latin authors, including Caesar, Cicero, and Apuleius; review of inflection and syntax.

2402 Intermediate Latin (Poetry)

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.

2V9R Research**0 to 3 sem. hrs.**

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.

3301 Lucretius

Pre-requisite(s): LAT 2310 and 2320 or consent of instructor.

Selections from the *De Rerum Natura*.**3302 Livy**

Pre-requisite(s): LAT 2310 and 2320 or equivalent.

Selections from the Roman historian Livy.

3303 Tacitus

Pre-requisite(s): Two 3000 level courses in Latin or consent of instructor.

Selections from the Roman historian Tacitus.

3304 Pliny and Martial

Pre-requisite(s): Two 3000 level courses in Latin or consent of instructor.

Selections from the Letters and the Epigrams.

3305 Cicero, Philosophical Writings

Pre-requisite(s): LAT 2310 and 2320.

Selections from the philosophical writings of Cicero.

3306 Sallust

Pre-requisite(s): LAT 2310 and 2320 or consent of instructor.

Detailed study of selections from the works of Sallust.

3307 Julius Caesar: Reading the Ancient Sources

Pre-requisite(s): LAT 2310 and 2320 or consent of instructor.

Readings on the life and times of Gaius Julius Caesar.

3308 Readings in Imperial Epic

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.

3309 Ovid's Metamorphoses

Pre-requisite(s): LAT 2320 or consent of instructor.

Study of Ovid's epic poem, Metamorphoses.

3311 Epistles and Epigraphy of Rome

Pre-requisite(s): LAT 2310 and 2320 or consent of instructor.

Latin inscriptions and selected letters of Cicero, Seneca, and Pliny.

3312 Augustine

Pre-requisite(s): LAT 2310, 2320 or 2401.

Selected readings of St. Augustine.

3350 Roman Drama: Senecan Tragedies

Pre-requisite(s): LAT 2320 or consent of instructor.

Study of Seneca's tragedies, the Euripidean influence, and their impact on world theatre.

3351 Roman Comedy

Pre-requisite(s): LAT 2310 and 2320 or equivalent.

Selected plays of Plautus and Terence.

3352 Roman Lyric and Elegy

Pre-requisite(s): LAT 2310 and 2320 or equivalent.

Selections from the poetry of Catullus, Propertius, Tibullus, and Ovid.

3353 Roman Satire

Pre-requisite(s): LAT 2310 and 2320 or equivalent.

Selected satires of Horace and Juvenal.

3354 Horace

Pre-requisite(s): LAT 2320 or consent of instructor.

Selections from the poetry of Horace.

3390 Medieval Latin Prose

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.

3395 Medieval Latin Poetry

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.

3396 Classical and Medieval Drama: Terence and Hrotsvitha of Gandersheim

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.

3397 Medieval Latin Religious Drama

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.

3V9R Research**0 to 3 sem. hrs.**

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.

4308 Latin Language Seminar

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.

4309 Virgil

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.

4310 Augustus: Reading the Ancient Sources

Pre-requisite(s): LAT 2310 and 2320; or consent of instructor.

Readings in Latin on the life and times of the Roman emperor Augustus.

4311 Latin Prose Composition

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.

4312 Statius in Medieval and Renaissance Latin Epic

Pre-requisite(s): LAT 2310; consent of instructor.

The influence of Statius and his masterpiece, the Thebaid on Medieval Latin, and vernacular epics.

4V01 Readings from Latin Literature**1 to 3 sem. hrs.**

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.

4V9R Research**0 to 3 sem. hrs.**

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)**1301 Latin American Nations and People**

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.

2301 An Introduction to Latin American Studies

An interdisciplinary introduction to Latin American Studies.

3390 Special Studies in Latin American Studies**4350 Latin American Studies Seminar**

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.

4351 The History of Gender in Latin America (Cross-listed as HIS 4350)

See HIS 4350 for course information.

4364 Traditional Music and Culture in Latin America (Cross-listed as MUS 4364)

See MUS 4364 for course information.

4390 Advanced Reading and Research in Latin American Studies

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)**1301 Introduction to Leadership**

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.

2301 Leadership and Vocation

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.

3301 Organizational Leadership

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.

3302 Christian Leadership in Residential Communities

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.

3304 Peer Leadership for Health and Wellness

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.

3305 Peer Leadership for Community Engagement and Service

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.

3306 Peer Leadership for Student Experience

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.

3307 Leadership and Student Thriving

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.

3308 Interfaith Leadership

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.

3309 Mental Health Peer Leadership

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.

3310 Talent and Development

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.

3311 Leadership Through Informed Engagement

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.

3312 Leadership for 21st Century America

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.

3370 Aviation Leadership (Cross-listed as AVS 3370)

See AVS 3370 for course information.

3V01 Special Topics in Leadership**1 to 3 sem. hrs.**

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.

4398 Advanced Leadership

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)**3305 Children's Literature**

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.

4306 Curriculum Applications in Children's Literature

Research in the field of children's literature and its application to the elementary classroom, emphasizing activity approaches and curriculum planning.

4307 Multicultural Literature

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.

4320 Young People's Literature

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)**1104 Adaptive H.P.**

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. Fee: \$50

1106 Beginning Aerobics

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. Fee: \$50

1107 Intermediate Aerobics

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. Fee: \$50

1109 Swimmercize Aerobics

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. Fee: \$50

1111 Aerobic Running

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. Fee: \$50

1112 Backpacking and Camping

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. Fee: \$50

1113 Advanced Wilderness Pursuits

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.

1114 Beginning Badminton

A course designed to teach the fundamental skills in badminton including appropriate stroke mechanics, serving, strategy, game variations, equipment selection, and rules and regulations. Fee: \$50

1115 Intermediate Badminton

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. Fee: \$50

1117 Beginning Ballet

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. Fee: \$50

1118 Intermediate Ballet

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. Fee: \$50

1119 Advanced Ballet

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. Fee: \$50

1121 Beginning Bicycling

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). Fee: \$50

1122 Intermediate Bicycling

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 Pre-requisite, 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. Fee: \$50

1123 Beginning Mountain Biking

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. Fee: \$50

1124 Beginning Bowling

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. Fee: \$50

1125 Intermediate Bowling

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. Fee: \$50

1128 Varsity Sports Conditioning I

Pre-requisite(s): Departmental consent required.

This course is designated as an entry level course for varsity athletes participating in intercollegiate sports. Fee: \$50

1129 Varsity Sports Conditioning II

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. Fee: \$50

1130 Social Dance

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. Fee: \$50

1134 Fitness Theory and Practice

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. Fee: \$50

1138 Beginning Golf

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. Fee: \$50

1139 Intermediate Golf

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. Fee: \$50

1140 Advanced Golf

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. Fee: \$50

1147 Beginning Jazz Dance

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. Fee: \$50

1148 Intermediate Jazz Dance

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. Fee: \$50

1151 Beginning Martial Arts

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. (Lab fee required.) Fee: \$50

1152 Intermediate Martial Arts

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. (Lab fee required.) Fee: \$50

1153 Advanced Martial Arts

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. (Lab fee required.) Fee: \$50

1156 Beginning Racquetball

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. Fee: \$50

1157 Intermediate Racquetball

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. Fee: \$50

1158 Paddle Sports

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. Fee: \$50

1159 Sailing and Canoeing

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. Fee: \$50

1160 Beginning Rock Climbing

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. Fee: \$50

1161 Intermediate Rock Climbing

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. Fee: \$50

1162 Outdoor Adventure Sports

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.

1163 Beginning Self Defense

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. (Lab fee required.) Fee: \$50

1168 Soccer

A comprehensive course in the fundamentals of soccer including dribbling, passing, kicking, and tackling skills, offensive and defensive strategies, rules and regulations, and conditioning. Fee: \$50

1169 Intermediate Self Defense

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. (Lab fee required.) Fee: \$50

1170 Advanced Self-Defense

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.). Fee: \$50

1171 Softball

This course stresses the fundamentals of throwing, catching, fielding, batting, rules and regulations, equipment selection, drills, and actual play. Fee: \$50

1175 Beginning Swimming

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. Fee: \$50

1176 Intermediate Swimming

A course that develops correct stroke technique, introduction to breaststroke, side stroke, butterfly, turns, diving, basic and emergency water safety, and daily conditioning through lap swimming. Fee: \$50

1177 Advanced Swimming

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. Fee: \$50

1178 Lifeguard Training

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. Fee: \$50

1179 Beginning Tai Chi

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. Fee: \$50

1181 Beginning Tennis

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. Fee: \$50

1182 Intermediate Tennis

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. Fee: \$50

1183 Advanced Tennis

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. Fee: \$50

1189 Volleyball

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. Fee: \$50

1190 Multi-terrain Volleyball

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. Fee: \$50

1192 Weight Control

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. Fee: \$50

1194 Beginning Weight Training

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. Fee: \$50

1195 Intermediate Weight Training

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. Fee: \$50

1197 Beginning Relaxation/Fitness

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. Fee: \$50

1198 Intermediate Relaxation/Fitness

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. Fee: \$50

1199 Advanced Relaxation/Fitness

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. Fee: \$50

1110 Aerobic Walking

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. Fee: \$50

LINGUISTICS (LING)

1305 Language in Society

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.

1V99 Elementary Special Studies in Less-Commonly Studied Languages 2-4 sem. hrs.

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.

2V99 Intermediate Special Studies in Less-Commonly Studied Languages 2 to 4 sem. hrs.

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.

3310 Introduction to Linguistics (Cross-listed as ENG 3310 and ANT 3310)

See ENG 3310 for course information.

3311 English Words (Cross-listed as ENG 3301)

See ENG 3301 for course information.

3312 Modern English Grammar (Cross-listed as ENG 3302)

See ENG 3302 for course information.

3315 Sociolinguistics (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.

3319 Language and Culture (Cross-listed as ENG 3319)

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.

3V99 Special Studies in Less-Commonly Studied Languages 2 to 3 sem. hrs.

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.

3V9R Research

0 to 3 sem. hrs.

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.

4302 Semantics and Pragmatics

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.

4303 Contemporary Syntax

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.

4305 Phonetics and Phonology

Pre-requisite(s): LING/ENG/ANT 3310 or SPA 3309.

Principles and methods for studying sound systems of languages.

4311 Special Topics in Linguistics

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.

4312 Old English Language (Cross-listed as ENG 4302)

See ENG 4302 for course information.

4313 First Language Acquisition

Pre-requisite(s): LING 3310 or consent of instructor.

Children's acquisition of sounds, lexicon, sentence structure, and contextual usage of their first language.

4314 History of the English Language (Cross-listed as ENG 4304)

See ENG 4304 for course information.

4315 Psycholinguistics

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.

4318 Second Language Acquisition

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.

4319 American English Dialects (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.

4V20 Independent Study in Linguistics

1 to 3 sem. hrs.

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.

4V9R Research

0 to 3 sem. hrs.

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)

3301 Managing People in Organizations

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.

3305 Leadership & Organizational Behavior

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.

3320 Distribution Management

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.

3325 Operations Management

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.

3333 Procurement and Materials Management

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.

3345 Introduction to Enterprise Systems Using SAP (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.

4305 Principled Leadership

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.

4320 Negotiating and Conflict Resolution

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 is critical. Fee: \$50

4231 Campus Leadership Practicum

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.

4330 Project Management (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).

4336 Human Resource Management

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.

4337 Human Resource Staffing and Employee Relations

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.

4338 Compensation Management

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.

4340 Technology Entrepreneurship (Cross-listed as ENT 4340)

See ENT 4340 for course information.

4345 Global Supply Chain Management

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.

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. Fee: \$60

4353 Social Entrepreneurship and Economic Development

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.

4355 Management Consulting

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.

4360 Managerial Field Experience

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.

4395 Internship in Management

The internship provides a framework for students to be introspective about their personal growth objectives, understand their strengths and weaknesses in an organizational context, improve their professional maturity, develop their ability to assess and articulate their value to potential employers, evaluate their choices with respect to industries, companies, and positions, as well as further clarify their career passion and prospective about their future career direction.

4396 Supply Chain Management Internship

Pre-requisite(s): 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.

4398 Special Studies in Management

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)**3150 Topics in Information Systems**

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).

3301 Introduction to Business Programming Logic

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.

3305 Management Information Systems

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. Fee: \$50

3320 Systems Analysis and Design

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.

3332 Control and Audit of Information Systems (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.

3341 Developing Client Server Applications

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. Fee: \$50

3345 Introduction to Enterprise Systems Using SAP (Cross-listed as MGT 3345)

See MGT 3345 for course information.

3350 Introduction to Data Management and CRM

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.

4319 Mobile Application Development

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

4320 Java Development

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.

4321 Business Systems Development

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.

4322 Advanced Python

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.

4330 Project Management (Cross-listed as MGT 4330)

See MGT 4330 for course information.

4340 Foundations of Database System Development

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.

4342 Fundamentals of Information Security

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.

4343 Advanced Database Management

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.

4344 Business Intelligence

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.

4346 Foundations of Data Warehousing

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.

4350 Cyber Security Technology Factors

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. Fee: \$50

4355 Decision Making Using Excel

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.

4360 Fund of Data Visualization

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.

4395 Internship in Information Systems**4V98 Special Studies in Information Systems**

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.

1 to 6 sem. hrs.

MARKETING (MKT)

3301 Marketing Concepts

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.

3305 Principles of Marketing

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.

3310 Professional Selling and Communications

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 businessperson and salesperson.

3320 Advertising Procedures (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.

3325 Consumer Behavior

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.

3330 Marketing Research

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.

3340 Nonprofit Marketing

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.

3341 Values Based Leadership in Sports

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.

4199 Professional Selling Internship

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.

4310 Sales Force Management/Leadership

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 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.

4311 Professional Selling and Communications II

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.

4315 Retail Store Management

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.

4320 Marketing Channels

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 ongoing 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.

4321 Advertising Campaigns

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.

4324 European Business Seminar

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.

4325 International Marketing (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.

4330 Marketing Analysis and Decision Making

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.

4340 Strategic Brand Management

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.

4341 Professional Selling & Communications for Sports II

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. Fee: \$75

4342 Sports Marketing Analytics

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.

4350 Digital Marketing

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.

4360 Customer Analytics

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.

4395 Marketing Internship

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.

4396 Sports Marketing Internship I

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.

4397 Sports Marketing Internship II

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.

4398 Directed Studies in Marketing

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.

4V98 Special Studies in Marketing Variable:

1 to 4 sem. hrs.

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)

1220 Algebra Review

Pre-requisite(s): Consent of Instructor

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.

1301 Ideas in Mathematics

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.

1308 Pre-calculus for Business Students

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.

1309 Calculus for Business Students

Pre-requisite(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.

1315 Patterns, Relationships, and Number Concepts

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. Fee: \$50

1316 Geometry and Measurement

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.

1320 Pre-calculus Mathematics

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.

1321 Calculus I

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.

1322 Calculus II

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.

2311 Linear Algebra

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.

2316 Algebra and Functions

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.

2317 Functions and the Mathematics of Change

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.

2321 Calculus III

Pre-requisite(s): A grade of C or above in MTH 1322.

Differential and integral calculus of several variables, Green's Theorem.

2V90 Introduction to Research in Mathematics**1 to 3 sem. hrs.**

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.

3300 Foundations of Mathematics

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.

3312 Foundations of Combinatorics and Algebra

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.

3318 Data and Chance

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.

3323 Introduction to Analysis

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.

3324 Numerical Methods (Cross-listed as CSI 3324)

See CSI 3324 for course information. Fee: \$50

3325 Ordinary Differential Equations

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.

3326 Partial Differential Equations

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.

3340 Mathematics through Technology

Pre-requisite(s): Credit for twelve hours of mathematics courses, at least three hours of which are at the 2000 level or above. (This Pre-requisite 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.

3350 Structure of Modern Geometry

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.

3351 Proof and Reasoning in Mathematics for Middle School Math Teachers

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.

3370 Mathematical Methods of Operations Research

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.

3374 Introduction to Mathematical Modeling

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.

3V90 Advanced Undergraduate Research in Mathematics

1 to 3 sem. hrs.

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.

3V9R Research

0 to 3 sem. hrs.

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.

4312 Cryptology

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.

4313 Number Theory

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.

4314 Abstract Algebra

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.

4316 Linear Algebra and Matrix Theory

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.

4322 Numerical Analysis (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.

4324 Systems of Ordinary Differential Equations

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.

4326 Advanced Calculus I

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.

4327 Advanced Calculus II

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.

4328 Numerical Linear Algebra (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.

4329 Theory of Functions of a Complex Variable

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.

4343 Topics in Mathematics for Prospective Teachers

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.

4375 Linear Programming

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.

4V90 Topics in Mathematics

1 to 3 sem. hrs.

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.

4V9R Research**0 to 3 sem. hrs.**

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)**2320 Statics**

Pre-requisite(s): MTH 1321, a grade of B or higher in EGR 1302 and credit 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. (3-0)

2321 Dynamics

Pre-requisite(s): 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. (3-0)

2345 Thermodynamics

Pre-requisite(s): MTH 1322, B or better in EGR 1302.

Thermodynamic properties, heat, and work, first and second laws, processes, ideal and non-ideal cycles. (3-0)

3122 Materials and Manufacturing Processes Lab

Pre-requisite(s): ME 3320 and credit 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. (0-3) Fee: \$150

3145 Thermal/Fluids Laboratory

Pre-requisite(s): C or better in ME 3345; 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.

3320 Strength of Materials

Pre-requisite(s): 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. (3-0) Fee: \$50

3321 Fluid Mechanics

Pre-requisite(s): 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. (3-0) Fee: \$50

3322 Mechanical Engineering Materials and Manufacturing Processes

Pre-requisite(s): 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. (3-0) Fee: \$50

3323 Machine Design

Pre-requisite(s): Credit 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. (3-0) Fee: \$50

3345 Advanced Thermodynamics

Pre-requisite(s): 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)

3420 Instrumentation and Measurements

Pre-requisite(s): ELC 2320 or ELC 2330, and 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.

4305 Sustainable Engineering

Pre-requisite(s): 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.

4320 Computer-Aided Structural Analysis

Pre-requisite(s): ME 3320.

Structural analysis using the matrix stiffness method with applications to 2-dimensional and 3-dimensional beams, trusses, and plates. (3-0)

4322 Computer-Aided Engineering and Design

Pre-requisite(s): EGR 3380.

Design and analysis of engineering components and systems using interactive computer programs with emphasis on computer simulation. (3-0) Fee: \$100

4323 Mechanical Vibrations

Pre-requisite(s): ME 2321, 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. (3-0)

4324 Introduction to Finite Element Methods

Pre-requisite(s): Credit or concurrent enrollment in MTH 3326.

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. (3-0) Fee: \$100

4325 Dynamic Systems

Pre-requisite(s): ME 2321, MTH 2311, and 3325.

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. Fee: \$50

4327 Numerical Methods for Engineers

Pre-requisite(s): MTH 2311 and 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. (3-0) Fee: \$50

4330 Introduction to Robotics (Cross-listed as ELC 4330)

See ELC 4330 for course information.

4335 Mechanical Engineering Laboratory

Pre-requisite(s): ME 3345, 4345, ENG 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. (1-6) Fee: \$150

4336 Energy Systems Design

Pre-requisite(s): Credit 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. (3-0)

4337 Introduction to Computational Fluid Dynamics

Pre-requisite(s): 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.

4339 Tribology

Pre-requisite(s): 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.

4344 Composite Materials

Pre-requisite(s): 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. (3-0)

4345 Heat Transfer

Pre-requisite(s): 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. (3-0) Fee: \$50

4346 Introduction to Aeronautics

Pre-requisite(s): Upper division admission.

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.

4347 Analysis and Design of Propulsion Systems

Pre-requisite(s): ME 3321 and 3345.

Introduction to compressible flow, including flows with simple area change, heat addition, friction, and shock waves. Analysis, parametric design, and performance of ramjets, turbojets, turbofans, and turboprops. Introduction to the operating principles of major engine components. Introduction to rockets. (3-0)

4349 Aircraft Structural Analysis

Pre-requisite(s): ME 3320 and 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. Fee: \$50

4356 Introduction to Space Flight

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.

4357 Cardiovascular Engineering and Instrumentation (Cross-listed as BME 4357, EGR 4357 and ELC 4357)

See BME 4357 for course information.

4360 Renewable Energy Devices

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.

4377 Solar Energy (Cross-listed as ELC 4377)

See ELC 4377 for course information.

4382 Selection of Materials and Manufacturing Processes in Design

Pre-requisite(s): ME 3320 (or equivalent), ME 3322 (or equivalent), and ME 3323 (or equivalent).

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. (3-0) Fee: \$50

4384 Engineering with Plastics

Pre-requisite(s): ME 3322 or equivalent.

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.

4385 Failure Analysis and Product Liability

Pre-requisite(s): 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.

4386 Properties and Processing of Electronic Materials

Pre-requisite(s): 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.

4388 Corrosion and Sustainable Metallurgy

Pre-requisite(s): 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.

4396 Special Topics in Mechanical Engineering

Pre-requisite(s): Consent of Department Chair.

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

4V97 Special Projects in Mechanical Engineering

1 to 6 sem. hrs.

Pre-requisite(s): Consent of department chair.

Advanced topics and/or special project activities in Mechanical Engineering.

MEDICAL HUMANITIES (MH)**1303 Medicine, Meaning, and the Patient/Physician Relationship**

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.

1331 Introduction to Medical Humanities

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

1V9R Research

0 to 3 sem. hrs.

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.

2301 Christian Spirituality and Health Care

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.)

2V9R Research

0 to 3 sem. hrs.

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.

3300 Visual Arts and Healing

Pre-requisite(s): For Medical Humanities Major/Minor Students only.

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. Fee: \$50

3342 Medicine, Missions, and the Gospel

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.

3V9R Research**0 to 3 sem. hrs.**

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.

4300 History of Medicine (Cross-listed as HIS 4300 and 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.

4351 Supervised Clinical Medicine

Pre-requisite(s): Departmental approval required.

Supervised weekly clinical service through various medical fields complemented by weekly seminar sessions.

4361 Meaning, Money, and Medicine

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.

4372 End-of-Life Care & Bereavement

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.

4382 U.S. Health Care System

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

4396 Disability and Society

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.

4V98 Advanced Topics in Medical Humanities**1 to 3 sem. hrs.**

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.

4V9R Research**0 to 3 sem. hrs.**

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)

2301 Introduction to the Middle East

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.

3V00 Biblical Heritage and Contemporary Society in the Holy Land (Cross-listed as REL 3V00) 1 to 3 sem. hrs.

See REL 3V00 for course information.

4378 Religion & Politics in the Middle East

Pre-requisite(s): Upper-level standing.

An examination of the relationship between religion and politics in select countries of the Middle East.

4V01 Readings in Mid-East Studies 1 to 3 sem. hrs.

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)

GENERAL MILITARY COURSE (MILS)

1101 Introduction to Leadership I

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.

1102 Introduction to Leadership II

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.

1111 Leadership Lab I

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.

1112 Leadership Lab II

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.

2111 Basic Leadership Lab I

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.

2112 Basic Leadership Lab II

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.

2201 Basic Leadership I

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.

2202 Basic Leadership II

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.

4V04 Company Grade Office Leadership Development

1 to 3 sem. hrs.

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.

PROFESSIONAL OFFICER COURSE (MILS)**3111 Intermediate Leadership Lab I**

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.

3112 Intermediate Leadership Lab II

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.

3301 Intermediate Leadership I

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.

3302 Intermediate Leadership II

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.

4111 Advanced Leadership Lab I

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.

4112 Advanced Leadership Lab II

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.

4301 Advanced Leadership I

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.

4302 Advanced Leadership II

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.

4V03 Special Studies in Military Science

1 to 3 sem. hrs.

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.

MODERN LANGUAGES AND CULTURES (MLC)**1101 First-Year Global Community**

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.

1V99 Special Studies in a Foreign Language**1 to 4 sem. hrs.**

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.

2V99 Special Studies in a Foreign Language**1 to 3 sem. hrs.**

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.

3101 Global Community and Cross-Cultural Studies

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.

3300 Perspectives of Literature in Translation

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.

3V99 Special Studies in a Foreign Language**1 to 3 sem. hrs.**

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.

4376 Asian Literature in Translation (Cross-listed as AST 4376)

See AST 4376 for course information.

MUSEUM STUDIES (MST)**1300 Introduction to Museums**

Introduction to the historical development of museums, the museum profession, and the field of museum studies.

2303 Museum Educational Programming

Pre-requisite(s): Credit or concurrent enrollment in MST 1300.

The history and development of museum education including both directed/formal education and free-choice/informal learning.

3304 Introduction to Cultural Collections Management

Pre-requisite(s): Credit or concurrent enrollment in MST 1300.

Similarities and differences among, historical development of, and challenges facing cultural collections in museums, libraries, and archives. Fee: \$50

3V9R Research**0 to 3 sem. hrs.**

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.

4301 Nonprofit Perspectives

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.

4302 Introduction to Outreach and Community Relations for Museums

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.

4305 Preservation Management

Pre-requisite(s): MST 3304.

In-depth study of the physical care of museum collections. Fee: \$50

4307 Historic Buildings and Sites

Pre-requisite(s): Upper-level standing.

Varieties and techniques of historic preservation in America. Fee: \$50

4308 Introduction to Material Culture

Pre-requisite(s): upper-level standing.

The material evidence of American life, including everyday artifacts, and those reflecting social and political history.

4309 Introduction to American Decorative Arts

Pre-requisite(s): Upper-level standing.

Guide to the origins, nature, and display, as well as chronological and geographical classification of American decorative arts. Fee: \$50

4313 Ethical Issues in Cultural Collections Management

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.

4324 Introduction to Archival Collections and Museums

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. Fee: \$50

4330 Amer. Monuments & Memorials

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.

4331 Exhibit Design and Preparation

Pre-requisite(s): Upper-level standing.

Exhibit design as a way to meet the needs, interests and learning styles of museum visitors. Fee: \$50

4V60 Museum Internship**3 to 6 sem. hrs.**

Pre-requisite(s): Consent of instructor.

Internship in the daily operation of a museum or related organization and completion of a specialized project.

4V70 Independent Studies in Museums**3 to 6 sem. hrs.**

Pre-requisite(s): Consent of the instructor.

Directed studies of standards of museum professional practices.

4V9R Research**0 to 3 sem. hrs.**

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)**MUSIC ACADEMIC STUDIES****1002 Academic Division Colloquium**

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.

1007 Church Music Forum

A course that meets several times each semester to hear guest speakers on a variety of topics related to church music.

1100 Introductory Musicianship

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. Fee: \$50

1101 Musicianship I

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. Fee: \$50

1102 Musicianship II

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. Fee: \$50

1107 Beginning Composition I

A basic approach to twentieth-century composition through analysis and exercises in composition.

1108 Beginning Composition II

Pre-requisite(s): MUS 1107 or consent of instructor.

A basic approach to twentieth-century composition through analysis and exercises in composition.

1200 Introductory Music Theory

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.

1220 Introduction to Music

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.

1301 Theory I

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.

1302 Theory II

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.

1321 Engaging with Music

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.

2101 Musicianship III

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. Fee: \$50

2102 Musicianship IV

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. Fee: \$50

2207 Elementary Composition I

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.

2208 Elementary Composition II

Pre-requisite(s): MUS 1102 and 1302; and consent of the professor.

Continuation of MUS 2207.

2301 Theory III

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.

2302 Theory IV

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.

2320 Music and Urban Society

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.

2370 Formation for Christian Musicians

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.

3170 Guitar for Music Ministry

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.

3202 Choral Arranging and Composition

Pre-requisite(s): MUS 2102 and 2302.

Creative work in choral arranging and composition. Analysis of various styles of choral composition.

3203 Arranging for Popular and Jazz Idioms

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.

3207 Composition

Pre-requisite(s): MUS 2102 and 2302.

A first course in composition for non-composition majors.

3301 Theory V

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.

3306 Orchestration

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.

3307 Intermediate Composition

Pre-requisite(s): MUS 2208 or 3207 or consent of instructor.

Writing in the larger forms for piano, voice, choir, and small instrumental combinations.

3308 Intermediate Composition

Pre-requisite(s): MUS 2208 or 3207 or consent of instructor.

Writing in the larger forms for piano, voice, choir, and small instrumental combinations.

3310 Beginning Jazz Improvisation

An introduction to the techniques of jazz improvisation. Study of jazz theory and Afro-American artists and styles.

3315 Survey of Music Literature

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.

3321 Music in World Cultures

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.

3322 Popular Musics

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.

3323 History of Jazz

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.

3324 The History of Music before 1600

Pre-requisite(s): MUS 2101 and 2301.

Survey of European music from Antiquity through the Renaissance, including some related materials from outside the Western tradition.

3325 The History of Music from 1600 to 1800

Pre-requisite(s): MUS 2101 and 2301.

Survey of European and American music from the seventeenth and eighteenth centuries.

3326 The History of Music from 1800 to World War I

Pre-requisite(s): MUS 2101 and 2301.

Survey of European and American music from 1800 to World War I, including some related materials from outside the Western concert tradition.

3327 The History of Music from World War I to the Present

Pre-requisite(s): MUS 2102 and 2302.

Integrated survey of European and American art music since World War I, along with selected topics outside that tradition.

3370 The Musician as Educator in the Church

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)

3375 Leadership in Music Ministry

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)

3377 Instrumental Music in the Church

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.

3378 Technology and Keyboards in the Church

A survey of the use of technology, keyboard instruments, and handbells in the church; including the purchase, maintenance, and use of the instruments/equipment.

4110 Advanced Jazz Improvisation

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.

4203 Electroacoustic Music Composition

Pre-requisite(s): MUS 1331 and consent of instructor.

Literature study, composition, and performance of fixed and interactive electroacoustic music.

4204 Advanced Orchestration

Pre-requisite(s): MUS 3306.

Study of problems in orchestration beyond the general topics addressed in MUS 3306.

4205 Theoretical Systems

Pre-requisite(s): MUS 3301.

Systems currently employed in music-theoretic scholarship for analysis of various musical styles. Application and comparison of the systems.

4208 Jazz Theory

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.

4236 Performer Wellness

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.

4270 Music Ministry Internship

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.

4274 Congregational Song

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.

4280 Senior Seminar and Paper

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.

4301 Advanced Analysis

Pre-requisite(s): MUS 3301.

Investigation of specialized topics in music analysis, with focus on a particular analytical approach or repertoire.

4304 Counterpoint

Pre-requisite(s): MUS 2102 and 2302.

Principles of modal and harmonic counterpoint.

4305 Advanced Counterpoint

Pre-requisite(s): MUS 4304.

A continuation of MUS 4304. Advanced work in specialized areas of counterpoint.

4307 Advanced Composition I

Pre-requisite(s): MUS 3304.

Continuation of MUS 3308.

4308 Advanced Composition II

Continuation of MUS 4307. Includes a recital of original works.

4320 Seminar in American Music

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.

4325 Opera Literature

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.

4326 American Folk Music

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.

4342 American Musical Theater

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.

4345 History of Classical Music in the United States

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.

4360 Ethnographic and Analytical Methods in Ethnomusicology (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.

4361 Traditional Music and Culture in Africa

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.

4362 Traditional Music and Culture in Asia (Cross-listed with 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.

4363 Traditional Music and Culture in Europe (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.

4364 Traditional Music and Culture in Latin America (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.

4365 Music and Identity in Texas Culture

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.

4366 Performance Practices in World Music

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.

4373 Worship in the Church

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.

4374 The Song of the Church (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.

4375 Leadership in Music Ministry (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.

43C1 Aesthetic Perception (Cross-listed as ARTH 43C1 and ENG 43C1)

See ENG 43C1 for course information.

4V09 Advanced Electroacoustic Music Composition

1 to 3 sem. hrs.

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.

MUSIC CONDUCTING**2260 Elementary Conducting (Music Education Elementary)**

Pre-requisite(s): MUS 1102 and 1302.

Fundamentals of conducting techniques and related score study in rehearsal and performance.

3260 Instrumental Conducting

Pre-requisite(s): MUS 2260.

Application of basic conducting skills to the direction of instrumental ensembles.

3261 Choral Conducting

Pre-requisite(s): MUS 2260.

Application of basic conducting skills to the direction of choral ensembles.

4259 Fundamentals of Conducting

Introduction to advanced conducting techniques. Focus will be on strengthening skills from undergraduate conducting courses and building strategies for score preparation, knowledge, and facility.

4260 Orchestral Conducting

Pre-requisite(s): MUS 3260.

Advanced study of instrumental conducting techniques and related preparation and score study, specifically applied to orchestral ensembles.

4261 Advance Choral Conducting

Pre-requisite(s): MUS 3261.

Advanced study of choral conducting techniques and related preparation and score study, specifically applied to choral ensembles.

4262 Band Conducting

Pre-requisite(s): MUS 3260.

Advanced study of instrumental conducting techniques and related preparation and score study, specifically applied to bands and wind ensembles.

4321 Symphonic Literature

A survey of orchestral literature.

4331 Band Literature

Literature for wind ensemble and band from early sources to the present.

4337 Choral Literature

Pre-requisite(s): MUS 3261.

Secular and religious choral music representing style periods from the late Renaissance to the present.

4V12 Workshop in Choral Music

1 to 2 sem. hrs.

Designed especially for music teachers and others who are involved in choral music direction or instruction, and open to music education majors.

MUSIC INSTRUMENTAL STUDIES**1111 Flute-Saxophone**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument. Fee: \$50

1112 Oboe-Bassoon

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument. Fee: \$50

1113 Clarinet

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument. Fee: \$50

1114 Trumpet-Horn

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument. Fee: \$50

1115 Trombone-Baritone-Tuba

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument. Fee: \$50

1116 Strings (for nonstring players)

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument. Fee: \$50

1117 Violin (for string majors)

Designed to provide a thorough understanding of the skills and materials necessary for teaching and playing the violin. Fee: \$50

1118 Viola (for string majors)

Designed to provide a thorough understanding of the skills and materials necessary for teaching and playing the viola. Fee: \$50

1119 Percussion

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument. Fee: \$50

1120 Cello (for string majors)

Designed to provide a thorough understanding of the skills and materials necessary for teaching and playing the cello. Fee: \$50

1121 Double-Bass (for string majors)

Designed to provide a thorough understanding of the skills and materials necessary for teaching and playing the double-bass. Fee: \$50

1161 Violin Orchestral Excerpts I

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.

1162 Violin Orchestral Excerpts II

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.

1163 Violin Orchestral Excerpts III

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.

1164 Violin Orchestral Excerpts IV

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.

1171 Viola Orchestral Excerpts I

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.

1172 Viola Orchestral Excerpts II

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.

1173 Viola Orchestral Excerpts III

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.

1174 Viola Orchestral Excerpts IV

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.

1181 Cello Orchestral Excerpts I

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.

1182 Cello Orchestral Excerpts II

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.

1183 Cello Orchestral Excerpts III

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.

1184 Cello Orchestral Excerpts IV

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.

1191 Double Bass Orchestral Excerpts I

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.

1192 Double Bass Orchestral Excerpts II

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.

1193 Double Bass Orchestral Excerpts III

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.

1194 Double Bass Orchestral Excerpts IV

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.

1195 Harp Orchestral Excerpts I

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.

1196 Harp Orchestral Excerpts II

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.

1197 Harp Orchestral Excerpts III

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.

1198 Harp Orchestral Excerpts IV

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.

11B6 Applied Lessons in Natural (Baroque) Trumpet

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.

40B1 Degree Recital - Trumpet

Pre-requisite(s): Credit or concurrent enrollment in MUS 32B1 or 34B1.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40B2 Degree Recital - Horn

Pre-requisite(s): Credit or concurrent enrollment in MUS 32B2 or 34B2.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40B3 Degree Recital - Trombone

Pre-requisite(s): Credit or concurrent enrollment in MUS 32B3 or 34B3.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40B4 Degree Recital - Baritone

Pre-requisite(s): Credit or concurrent enrollment in MUS 32B4 or 34B4.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40B5 Degree Recital - Tuba

Pre-requisite(s): Credit or concurrent enrollment in MUS 32B5 or 34B5.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40C1 Degree Recital - Composition

Co-requisite(s): MUS 4308.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40H1 Degree Recital - Harp

Pre-requisite(s): Credit or concurrent enrollment in MUS 32H1 or 34H1.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40P1 Degree Recital - Percussion

Pre-requisite(s): Credit or concurrent enrollment in MUS 32P1 or 34P1.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40S1 Degree Recital - Violin

Pre-requisite(s): Credit or concurrent enrollment in MUS 32S1 or 34S1. Fee: \$50

40S2 Degree Recital - Viola

Pre-requisite(s): Credit or concurrent enrollment in MUS 32S2 or 34S2.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40S3 Degree Recital - Cello

Pre-requisite(s): Credit or concurrent enrollment in MUS 32S3 or 34S3.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40S4 Degree Recital - Bass

Pre-requisite(s): Credit or concurrent enrollment in MUS 32S4 or 34S4.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40W1 Degree Recital - Flute

Pre-requisite(s): Credit or concurrent enrollment in MUS 32W1 or 34W1.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40W2 Degree Recital - Oboe

Pre-requisite(s): Credit or concurrent enrollment in MUS 32W2 or 34W2.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40W3 Degree Recital - Clarinet

Pre-requisite(s): Credit or concurrent enrollment in MUS 32W3 or 34W3.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40W4 Degree Recital - Bassoon

Pre-requisite(s): Credit or concurrent enrollment in MUS 32W4 or 34W4.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40W5 Degree Recital - Saxophone

Pre-requisite(s): Credit or concurrent enrollment in MUS 32W5 or 34W5.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

4333 Percussion Literature and Pedagogy

Solo and chamber music and pedagogy for percussion instruments.

4334 String Chamber Literature

Chamber music for string instruments.

4335 Woodwind Literature and Pedagogy

Solo and chamber music literature and pedagogy for woodwind instruments.

4336 Brass Literature and Pedagogy

Solo and chamber music and pedagogy for brass instruments.

4V11 Workshop in Instrumental Music

1 to 2 sem. hrs.

Designed especially for music teachers and others who are involved in instrumental music direction or instruction, and open to music education majors.

MUSIC KEYBOARD STUDIES**1125 Beginning Class Piano**

Group instruction in piano for non-music majors with no previous training in piano. Fee: \$50

1131 Class Piano, Grade Level I (For Music Majors)

Group instruction for piano grade level I. Fee: \$50

1132 Class Piano, Grade Level II (For Music Majors)

Group instruction for piano grade level II. Fee: \$50

1133 Class Piano, Grade Level III (For Music Majors)

Group instruction for piano grade level III. Fee: \$50

11K3 Undergraduate Harpsichord

Pre-requisite(s): Music major or approval of instructor.

11K5 Undergraduate Piano for Non-Music Majors

Individual instruction in piano for non-music majors with some prior musical training.

12K2 Undergraduate Organ

Pre-requisite(s): By permission of instructor.

3138 Sight-Reading for Pianists

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.

3312 Piano Pedagogy I

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.

3313 Piano Pedagogy II

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.

40K1 Degree Recital - Piano

Pre-requisite(s): Credit or concurrent enrollment in MUS 31K1, 32K1, 33K1, or 34K1.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

40K2 Degree Recital - Organ

Pre-requisite(s): Credit or concurrent enrollment in MUS 31K2, 32K2, 33K2, or 34K2.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

4114 Internship in Piano Teaching I

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.

4115 Internship in Piano Teaching II

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.

4210 Organ Methods

For prospective organ teachers: methods and materials; church and concert repertoire.

4213 Service Playing

Pre-requisite(s): Organ major or consent of instructor.

Study of techniques and resources for organ playing in the context of a worship service.

4315 Advanced Piano Pedagogy and Practicum I

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.

4316 Advanced Piano Pedagogy and Practicum II

Pre-requisite(s): MUS 4315.

Continuation of MUS 4315.

4317 Piano Pedagogy III

Pre-requisite(s): MUS 3312.

Examination and evaluation of standard literature, teaching materials and music technology for the intermediate student. Exploring issues related to the piano teaching profession. Directed teaching in the Piano Laboratory Program, both individual and group lesson settings.

4322 Piano Literature I

Pre-requisite(s): For music majors only or consent of instructor.

Literature of keyboard instruments from early sources to the early nineteenth century.

4324 Piano Literature II

Pre-requisite(s): Enrollment limited to music majors or consent of instructor.

Literature of keyboard instruments from the mid-nineteenth century to the present.

4343 Organ Literature I

The organ and its literature from the earliest manuscripts and tablatures through 1750.

4344 Organ Literature II

The organ and its literature from 1750 to the present.

4V13 Workshop in Keyboard Music

1 to 9 sem. hrs.

An intensive workshop on keyboard methods and materials.

MUSIC EDUCATION

1202 Basic Guitar

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.

1216 Band Techniques for String Majors

This class is designed to provide string majors with knowledge, skills, and competencies in teaching wind/percussion instruments individually and in an ensemble setting.

1330 Introduction to Music Education

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.

1331 Introduction to Technology for Musicians

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. Fee: \$50

2113 Introductory Service Playing

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.

2202 Intermediate Guitar

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. Fee: \$50

3001 Music Education Evaluation

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).

3132 Choral Methods I

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. Fee: \$50

3135 Special Learners in the Music Classroom

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.

3136 Instrumental Methods I

Pre-requisite(s): MUS 3001

Instructional strategies for warm-up and literature selection as applied to secondary instrumental ensembles.

3212 String Methods (For String Majors)

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.

3232 Choral Methods II

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.

3236 Instrumental Methods II

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.

3331 Music in the Elementary School

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.

3334 Secondary Choral Music

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.

3335 Instrumental Music in the Secondary School

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.

3336 Music for Elementary Classroom Teachers

Required of all elementary education majors. A study of the musical experiences and activities through which children acquire basic musical concepts and skills.

3337 Elementary Music Education

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.

4001 Music Education Fieldwork

For completion of field experience and other requirements prior to student teaching.

4135 Practicum in Instrumental Music Education

This is an experiential course aimed at providing Upper-level instrumental music education students with real world teaching opportunities in a monitored environment.

4219 Marching Band/Jazz Pedagogy

Pre-requisite(s): MUS 3001

Philosophy, materials, and techniques of high school marching bands and jazz ensembles.

4230 Induction to Music Teaching

Co-requisite(s): MUS 4F30.

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.

4350 International Music Education

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.

4F30 All-Level Student Teaching in Music

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.

4F31 All-Level Student Teaching in Music (out-of-town)

Pre-requisite(s): 2.75 minimum GPA; MUS 4001; all degree requirements completed except for MUS 4230.

Co-requisite(s): MUS 4230.

4V10 Workshop in Elementary School Music

1 to 3 sem. hrs.

Designed especially for music teachers and elementary classroom teachers, and open to music education majors.

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

MUSIC (GENERAL)**1001 Recital Attendance**

This course provides a means to record attendance requirement credit by semester.

1095 Freshman Music Seminar

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.

40R1 Special Recital

Pre-requisite(s): Consent of instructor.

Presentation of a recital over and above degree requirements. Fee: \$50

4181 Special Topics

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.

4381 Special Topics

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.

4V80 Independent Studies**1 to 3 sem. hrs.**

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.

4237 Creative Entrepreneurship in Music

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.

MUSIC VOCAL STUDIES**1124 Class Voice**

Pre-requisite(s): Course requires ability to match pitch and accurately sing back simple melodies. Departmental consent required.

Group instruction in voice. Fee: \$50

1150 English and Italian Diction

Special laboratory course for voice students dealing with pronunciation and enunciation as applied to singing English and Italian.

1151 German Diction

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.

1152 French Diction

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.

3153 Russian Lyric Diction

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.

40V1 Degree Recital - Voice

Pre-requisite(s): Credit or concurrent enrollment in MUS 32V1 or 34V1.

Presentation of a recital in fulfillment of degree requirements. Fee: \$50

4120 Advanced Opera Workshop

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.

4121 Performing Recitative

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.

4151 Vocal Coaching

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.

4216 Opera Project I

Pre-requisite(s): Audition and/or consent of instructor.

Training class for singers and choral conducting students in stage techniques.

4218 Opera Project II

Pre-requisite(s): Audition and/or consent of instructor.

Training class for singers and choral-conducting students in stage techniques.

4220 Acting for Singers I

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.

4221 Acting for Singers II

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.

4299 Vocal Pedagogy

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.

4319 Operatic Role Preparation

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.

4327 Song Literature I

Music for solo voice from its beginnings to the present.

4329 Song Literature II

Continuation of MUS 4327.

MUSIC ENSEMBLE (MUEN)**1050 Ensemble**

Participation in various ensembles of the School of Music. Instruction approval required.

1100 A Cappella Choir

The Baylor University A Cappella Choir is Baylor's premier choral organization. The seventy-voice choir sings a wide range of musical styles. Fee: \$75

1101 Orchestra

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.

1102 Marching Band

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. Fee: \$300

1103 Symphonic Band

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 student 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.

1104 Opera

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.

1105 Chamber Singers

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. Fee: \$50

1106 Jazz Ensemble

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.

1107 Concert Choir

The ninety-voice Concert Choir performs music from all styles of choral repertoire with emphasis on accompanied works. Fee: \$50

1108 Wind Ensemble

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.

1109 Concert Band

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.

1120 Early Music Ensemble

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.

1121 Baylor University Men's Choir

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. Fee: \$50

1122 Small Vocal Ensemble

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. Fee: \$50

1124 Women's Choir

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. Fee: \$50

1125 Baylor Bronze

The "Baylor Bronze" handbell ensemble rings five octaves of bells and five octaves of chimes.

1126 Baylor Bells

Pre-requisite(s): Consent of instructor.

This performance ensemble provides a foundation for handbell ringing at the beginning and intermediate levels.

1130 Chamber Music (Strings)

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.

1131 Chamber Music (Brass)

See MUEN 1130 for general description of chamber music classes.

1132 Chamber Music (Woodwind)

See MUEN 1130 for general description of chamber music classes.

1133 Chamber Music (Percussion)

See MUEN 1130 for general description of chamber music classes.

1134 Harp Ensemble

See MUEN 1130 for general description of chamber music classes.

1135 Piano Ensemble

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.

1136 Studio Accompanying

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 mast 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 mast 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.

1137 Keyboard Skills

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.

1138 Jazz Combo

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.

1193 Baylor Bella Voce

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. Fee: \$50

NEUROSCIENCE (NSC)**1101 New Student Seminar in Psychology and Neuroscience (Cross-listed as PSY 1101).**

See PSY 1101 for course information.

1106 Introduction to Neuroscience Laboratory

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. Fee: \$100

1306 Introduction to Neuroscience

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.

1V9R Research

0 to 3 sem. hrs.

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.

2306 Research Methods in Neuroscience

Pre-requisite(s): NSC 1306 with a grade of B or better.

An introduction to fundamental principles, techniques, and procedures that underlie neuroscience research.

2V9R Research

0 to 3 sem. hrs.

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.

3111 Laboratory in Cognition (Cross-listed as PSY 3111)

Pre-requisite(s): NSC 3311 or concurrent enrollment.

Laboratory experiments illustrating methods and procedures in cognitive psychology. Fee: \$100

3120 Laboratory in Learning and Behavior (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. Fee: \$150

3123 Laboratory in Sensation and Perception (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.
Fee: \$100

3311 Cognition (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.

3320 Learning and Behavior (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.

3323 Sensation and Perception (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.

3370 Affective Neuroscience (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.

3375 Sleep (Cross-listed as PSY 3375)

See PSY 3375 for course information.

3V9R Research**0 to 3 sem. hrs.**

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.

4119 Laboratory in Clinical Neuroscience (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. Fee: \$100

4130 Advanced Laboratory in Neural Science (Cross-listed as PSY 4130)

Pre-requisite(s): NSC/PSY 4330 or concurrent enrollment.

Laboratory experiments illustrating methods and procedures in Behavioral Neuroscience. Fee: \$100

4312 Behavioral Medicine (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.

4317 Literature of Behavioral Neuroscience (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.

4319 Clinical Neuroscience (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.

4324 Research on the Senses and Perception (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.

4330 Advanced Principles of Neural Science (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.

4356 Neuropharmacology

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).

4371 Advanced Research in Neuroscience

Pre-requisite(s): Consent of instructor.

An in-depth laboratory research experience in neuroscience as supervised by a faculty mentor. Fee: \$50

4V96 Special Topics in Neuroscience

1 to 4 sem. hrs.

Pre-requisite(s): Consent of instructor.

May be repeated once with change of topic.

4V9R Research

0 to 3 sem. hrs.

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)**1101 Introduction to the Art and Science of Nursing**

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.

2340 The Experience of Illness

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. Fee: \$50

3100 Continuum of Clinical Reasoning

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. Online resources will be utilized. Fee: \$50

3200 Professional Nursing Practice: Introduction to Professional Nursing

Co-requisite(s): NUR 3316, 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.

3212 Professional Development: Foundations for Practice

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.

3222 Professional Development: Health Promotion and Patient Education

Pre-requisite(s): Admission to the nursing major.

Concepts of health promotion and patient education emphasizing theories, practice, and application. Fee: \$50

3224 The Maturing Family

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. Fee: \$50

3225 Professional Nursing Practice: Care of the Patient with Medical Surgical Need

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. Fee: \$50

3226 Professional Nursing Practice: Care of the Patient with Mental Health Needs

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.

3314 Health Assessment

Pre-requisite(s): Admission to the nursing major.

Technique for conducting a physical assessment, collecting a health history, and documenting findings. Fee: \$55

3315 Physical Assessment

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. (3-0) Fee: \$50

3316 Human Needs I

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. Fee: \$50

3317 Human Needs II

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. Fee: \$50

3324 The Maturing Family

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 need's framework to the aging process. Fee: \$50

3328 Mental Health Nursing: Individuals, Groups, and Family

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. Fee: \$50

3330 Introduction to Professional Nursing Practice

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.

3350 Integration to Professional Nursing

Pre-requisite(s): Admission to joint BSN-MSN track.

A professional development course with emphasis upon issues and trends impacting professional nursing practice. Fee: \$50

3420 Pathophysiology and Pharmacology I

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. Fee: \$50

3421 Pathophysiology and Pharmacology II

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. Fee: \$50

3425 Professional Nursing Practice II

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. Fee: \$50

3426 Professional Nursing Practice II Fast Baccalaureate

Co-requisite(s): Semester II courses.

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. Fee: \$50

4010 Medication Administration

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. Fee: \$50

4100 Preparation for Professional Licensure

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. Fee: \$65

4225 Professional Nursing Practice: Care of the Childbearing Family

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. Fee: \$50

4226 Professional Nursing Practice: Care of the Childrearing Family

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.

4240 Professional Development: Transition to Practice

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. Fee: \$50

4309 Parish Nursing

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.

4316 Perioperative Nursing

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. (2-1) Fee: \$50

4317 High Risk Perinatal Nursing

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. Fee: \$50

4320 Complementary Therapies and Traditional Chinese Medicine

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. Fee: \$50

4329 Child Health Nursing in Great Britain

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. Fee: \$50

4330 Women's Health in Great Britain

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. Fee: \$50

4331 Health Care in Argentina

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. Fee: \$50

4334 The Childbearing Family

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. Fee: \$50

4335 Professional Nursing Practice: Transition to Practice.

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. Fee \$75.

4338 Analysis and Synthesis of Complex Human Needs

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. Fee: \$50

4339 The Childrearing Family

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. Fee: \$50

4340 Global Health (Cross-listed as PUBH 4340)

Pre-requisite(s): NUR 3200, 3212, 3314, 3316, 3330, 3420

Overviews global health issues and the role of health education and public health worldwide.

4341 Nursing Professional Development: Leadership and Management

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. Fee: \$50

4345 Professional Nursing Practice: Population Health Nursing

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. Fee: \$75

4347 Nursing Clients with Substance Abuse Problems

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. (2-1) Fee: \$50

4351 Professional Development: A Consumer of Research

Pre-requisite(s): NUR 3317, 3324, 3328, 3421, 3225, 3226.

Concepts and methods of research. Fee: \$50

4353 Community and Culture

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. Fee: \$50

4356 Oncological Nursing

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. (2-1) Fee: \$50

4357 Women's Health Concerns

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. Fee: \$50

4358 The Role of the Nurse as Lactation Educator and Consultant

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. Fee: \$50

4359 Health Promotion

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. Fee: \$50

4360 Nursing and Health Care in Great Britain

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.

4376 Nursing Care of the Family Experiencing Violence

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. (3-0) Fee: \$50

4377 Transcultural Nursing: Integrating Care for Spiritual and Physical Needs

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. (2-1) Fee: \$50

4378 The Role of the Clinical Research Nurse

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. Fee: \$50

4387 Environmental Issues and Their Impact on Health and Human Needs

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. (3-0) Fee: \$50

4388 Emergency Nursing

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. Fee: \$50

4389 Nursing and Spirituality

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. Fee: \$50

4390 Camp Nursing Elective

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. Fee: \$50

4391 Care of the Geriatric Client

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. Fee: \$50

4395 Introduction to Global Health (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.

4396 Independent Study

Pre-requisite(s): All courses in Semesters I and II of the major.

Additional course Pre-requisites 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. (3-0) Fee: \$50

4397 End of Life Care

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. Fee: \$50

4398 Introduction to Critical Care Nursing

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. Fee: \$50

4435 Professional Nursing Practice III

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. Fee: \$100

4436 Professional Nursing Practice III Fast Baccalaureate

Co-requisite(s): Semester III courses.

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. Fee: \$50

4V06 Life Span Development**1 to 4 sem. hrs.**

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. Fee: \$50

4V07 Special Studies in Nursing**1 to 4 sem. hrs.**

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. Fee: \$50

4V08 Special Topics in Nursing**1 to 3 sem. hrs.**

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. Fee: \$50

4V67 Nursing Care of the Transplant Client**3 to 4 sem. hrs.**

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. (2-1) Fee: \$50

NUTRITION SCIENCES (NUTR)**1401 Introduction to Food Science**

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. Fee: \$75

2101 Introduction to the Profession of Nutrition and Dietetics

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.

2351 Nutrition

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. (3-0)

2380 Introduction to Food Delivery Systems

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. (2-2) Fee: \$75

3188 Introduction to the Nutrition Care Process

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.

3314 Consumer Nutrition

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.

3351 Nutrition Counseling and Education

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.

3386 Advanced Food Science

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. (2-2) Fee: \$75

3388 Introduction to Medical Nutrition Therapy

Pre-requisite(s): BIO 1305, 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.

3435 Food Service Production

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. (3-3) Fee: \$75

4151 Nutrition Practicum

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.

4200 Seminar in Nutrition Sciences

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. (2-0)

4351 Life Cycle Nutrition

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. (3-0)

4352 World Nutrition

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. (3-0)

4386 Nutrition for Sport and Fitness

Pre-requisite(s): NUTR 2351 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.

4387 Advance Nutrition

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. (3-0)

4388 Medical Nutrition Therapy

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. (3-0)

4395 Special Studies in Nutrition, Food science and food production

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)**1100 Introduction to Citizenship and Community Service**

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.

1102 Community Law Enforcement

Examination of the criminal justice system, law enforcement, police, courts, and the corrections system through service-learning, as well as classroom instruction.

2301 Leadership and Social Change

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.

3300 Citizenship, Community, and Service Learning

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.

3301 Public Policy Innovation and the Common Good

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.

3302 Criminal Justice and Community Law Enforcement (Cross-listed as 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.

3372 Law, Justice, and the Community (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.

4301 Social & Economic Innovation

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.

4302 Civic & Community Innovation

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.

4303 Christian Social Innovation

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.

4310 Philanthropy, Civil Society, & the Public Good

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.

4V98 Advanced Study in Philanthropy and Social Innovation**1 to 4 sem. hrs.**

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)**1301 Introductory Topics in Philosophy**

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.

1302 Introduction to Philosophy (Non-writing Intensive)

An introduction to the major philosophical topics, themes, and thinkers. Students develop the ability to read texts critically.

1306 Logic

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.

1307 Critical Thinking

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.

1308 Contemporary Moral Problems

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.

1309 Introduction to Medical Ethics

Introduction to philosophical reasoning regarding medical ethics, including confidentiality, intervention in the beginning and ending of human life, and just distribution of medical resources.

1310 Computer Ethics

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.

1V9R Research**0 to 3 sem. hrs.**

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.

2301 Existentialism

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.

2303 Philosophy in Literature

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.

2305 Philosophy and Religion

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.

2308 Philosophical Texts

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.

2309 Philosophical Traditions

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.

2310 Law, Science and Society

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.

2370 Business Ethics

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.

2V9R Research**0 to 3 sem. hrs.**

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.

3301 Moral Philosophy

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.

3305 British Philosophy and Culture

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.

3310 History of Philosophy: Classical Philosophy

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.

3312 History of Philosophy: Modern European Philosophy

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.

3318 Philosophy and Constitutional Issues

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.

3320 Philosophical Issues in Feminism

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.

3322 Philosophy and the Arts (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.

3339 Law and Religion (Cross-listed as PSC 3339 and 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.

3395 Historiography and the Philosophy of History

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.

3V9R Research**0 to 3 sem. hrs.**

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.

4300 History of Medicine (Cross-listed HIS 4300 and MH 4300)

See MH 4300 for course information.

4310 Philosophy of Science

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.

4311 Epistemology

Pre-requisite(s): Two PHI courses (or the equivalent in philosophical content from courses from Great Texts, BIC, or other departments, as approved by the 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.

4314 History of Philosophy: Patristic and Medieval

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.

4317 Philosophy of Mind

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.

4318 Philosophy of Law

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.

4319 Philosophical Writing, Research and Oral Presentation

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.

4320 The Philosophy of Religion

Pre-requisite(s): Two PHI courses (or the equivalent in philosophical content from courses from Great Texts, BIC, or other departments, as approved by the 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.

4321 Metaphysics

Pre-requisite(s): Two philosophy courses (or the equivalent in philosophical content from courses from Great Texts, BIC, or other departments, as approved by the 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.

4324 Philosophy in Literature

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.

4325 Literary and Philosophical Perspectives on Medicine

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.

4331 Latin American Philosophy

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.

4340 East Asian Philosophy (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.

4341 Contemporary Continental Philosophy

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.

4342 Contemporary American Philosophy

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.

4345 Intermediate Logic

Pre-requisite(s): Upper-level standing.

The language of first-order logic as a formal deductive system.

4353 Philosophy of Language

Pre-requisite(s): Two PHI courses (or the equivalent in philosophical content from courses from Great Texts, BIC, or other departments, as approved by the instructor).

Critical examination of the basic problems in general semantics and philosophy of language, giving special attention to the major authors in these fields.

4360 Contemporary Ethical Theory

Pre-requisite(s): Two philosophy courses (or the equivalent in philosophical content from courses from Great Texts, BIC, or other departments, as approved by the instructor).

Major issues in contemporary ethical writings. Course may be repeated once for credit if topic varies.

4361 Social Philosophy (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.

4363 Philosophy and Medicine

Philosophical approaches to clinical medicine and contemporary health care, focusing on experience as a basis for knowledge.

4365 Jewish Philosophy

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.

4379 Islam and Democracy

Pre-requisite(s): Upper-level standing.

Examines the evolution of political philosophy and institutions in Muslim culture.

4385 Religious Ethics in a Liberal Democracy

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.

4V99 Special Topics in Philosophy

1 to 3 sem. hrs.

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.

4V9R Research

0 to 3 sem. hrs.

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 (PHY)

1025 Finding Success in Physics

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.

1404 Light, Vision and Optics

A conceptual course on the physics of light, optics, photography, vision, color, and other visual phenomena. Fee: \$50

1405 Everyday Physics

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.) Fee: \$50.

1407 Sound and Acoustics

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. Fee: \$50

1408 General Physics for Natural and Behavioral Sciences I

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.) Fee: \$50

1409 General Physics for Natural and Behavioral Sciences II

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.) Fee: \$50

1420 General Physics I

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. Fee: \$50

1430 General Physics II

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. Fee: \$50

1455 Descriptive Astronomy

The fundamentals of astronomy and its relationship to human development. Emphasis on the solar system, planets, asteroids, meteoroids, and comets. Fee: \$50

1V95 Independent Study in Physics

1 to 3 sem. hrs.

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.

1V9R Research**0 to 3 sem. hrs.**

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.

2135 Basic Electronics Laboratory

Pre-requisite(s): PHY 1430.

Principles and applications of electrical circuits and electronics for physical science majors. Fee: \$50

2190 Introduction to Research in Physics

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.

2350 Modern Physics

Pre-requisite(s): PHY 1430 and MTH 1322.

Special relativity, introduction to quantum mechanics, atomic and molecular structure, nuclear and particle physics.

2360 Mathematical and Computational Physics

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.

2455 Foundations of Astronomy

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. Fee: \$75

2V9R Research**0 to 3 sem. hrs.**

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.

3175 Intermediate Physics Laboratory I

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. Fee: \$50

3176 Intermediate Physics Laboratory II

Pre-requisite(s): PHY 3175.

Continuation of PHY 3175 with emphasis on nuclear counting and measurements. Fee: \$50

3305 History of Invention and Technology

History of invention and technology including biographical study of scientists. Does not apply toward a major or minor in physics.

3320 Intermediate Classical Mechanics

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.

3330 Intermediate Electricity and Magnetism

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.

3350 Topics in Astronomy

Pre-requisite(s): PHY 2455; and MTH 1322 or concurrent enrollment.

Topics in contemporary research in astronomy and astrophysics.

3372 Introductory Quantum Mechanics I

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.

3373 Introductory Quantum Mechanics II

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.

3455 Observational Astronomy

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. Fee: \$75

3V95 Undergraduate Research in Physics**1 to 3 sem. hrs.**

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.

3V9R Research**0 to 3 sem. hrs.**

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.

4001 Exit Exam

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.

4150 Instructional Observing

Pre-requisite(s): PHY 3455.

Teaching astronomy techniques and assisting on observing nights for the PHY 3455 class and campus outreach events.

4190 Dissemination of Research Results in Physics

Pre-requisite(s): Departmental approval required.

Culmination of an undergraduate research project including presentation of research results.

4322 Advanced Topics in Classical Physics

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.

4340 Statistical and Thermal Physics

Pre-requisite(s): PHY 3372 and MTH 3326.

Topics normally include basic probability concepts; macroscopic thermodynamics; statistical thermodynamics; kinetic theory; quantum statistics.

4350 Introduction to Stellar Structure and Evolution

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.

4351 Introduction to Modern Cosmology

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.

4360 Computer Models in Physics

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.

4372 Introductory Solid State Physics

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.

4373 Introductory Nuclear and Particle Physics

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.

4374 Introduction to Relativistic Quantum Mechanics

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.

4V80 Special Topics in Physics

1 to 3 sem. hrs.

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.

4V9R Research

0 to 3 sem. hrs.

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)

INTRODUCTORY GOVERNMENT (PSC)

1305 American National Government

A course in American national government with emphasis on the historical background, structure, organization, and functioning of that government.

1387 The U.S. Constitution, Its Interpretation, and the American Political Experience

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.

POLITICAL THEORY/POLITICAL PHILOSOPHY (PSC)

2343 Introduction to Western Political Philosophy

The Western tradition of political philosophy from Ancient Greece to the present day. This course will not substitute for PSC 1387.

3353 American Political Thought

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.

3363 Western Political Thought: Classical and Medieval

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.

3373 Western Political Thought: Modern

Modern political thought from the fifteenth through the nineteenth centuries, stressing the original writings of great political philosophers.

4313 Politics and Literature

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.

4373 Special Topics in Political Philosophy

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.

4383 Contemporary Political Thought

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.

1V9R Research

0 to 3 sem. hrs.

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.

2V9R Research**0 to 3 sem. hrs.**

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.

3V9R Research**0 to 3 sem. hrs.**

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.

4352 The Politics of Poverty

Pre-requisite(s): Upper-level standing.

An analysis of the causes of poverty amidst plenty and governmental efforts to address the problem.

4353 Social Philosophy (Cross-listed as PHI 4361)

See PHI 4361 for course information.

4V9R Research**0 to 3 sem. hrs.**

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 THEORY/METHODS (PSC)**3301 Scope and Methods of Political Science**

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.

AMERICAN POLITICAL INSTITUTIONS (PSC)**1306 American State and Local Government**

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.)

3310 Legislative Process and Behavior

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.

3320 Minority and Ethnic Group Politics

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.

3330 The American Presidency

The American presidency as a political institution and as one of the primary components of the United States governmental structure.

3340 Campaigns and Elections

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.

4300 Political Behavior

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.

4310 Politics and Communication (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.

4320 African American Politics

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."

4330 Urban Political Processes (Cross-listed as ENV 4330)

Political institutions and processes in metropolitan areas, including social, economic, and governmental problems resulting from increased urbanization.

4340 African American Communication (Cross-listed as CSS 4354)

See CSS 4354 for course information.

4350 Political Parties

Pre-requisite(s): Upper-level standing.

The diverse roles of political parties in representative democracies, with emphasis on the American experience.

4351 Criticism of Contemporary Public Address (Cross-listed as CSS 4351)

See CSS 4351 for course information.

4370 Politics and Religion

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.

4380 Government and Business

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.)

PUBLIC LAW (PSC)**3302 Criminal Justice and Community Law Enforcement (Cross-listed as PPS 3302)**

See PPS 3302 for course information.

3311 Moot Court

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.

3321 Criminal Law

Examination of the sources, development, and application of criminal law in the United States and Texas.

3339 Law and Religion in the United States (Cross-listed as PHI 3339 and REL 3339)

See PHI 3339 for course information.

3372 Law, Justice, and the Community (Cross-listed as PPS 3372)

See PPS 3372 for course information.

4305 International Law

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.

4307 Environmental Law (Cross-listed as ENV 4307)

See ENV 4307 for course information.

4321 Administrative Law

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.

4361 American Constitutional Law (Cross-listed as PSC 4361)

See PSC 4361 for course information.

4381 American Constitutional Law

Continuation of PSC 4361 but may be taken independently of that offering. Deals with those cases relating particularly to personal liberty and civil rights.

INTERNATIONAL RELATIONS (PSC)**3315 Fundamentals of International Politics**

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.

3325 Ethnopolitical Conflicts

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.

3335 Contemporary American Foreign Policy: An Examination of Regions and Issues

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.

3345 Making American Foreign Policy

Pre-requisite(s): Upper-level standing.

Values, objectives, processes, and means through which United States foreign policy objectives are formulated and sustained.

3355 The Causes of War

The causes of warfare, as viewed through the lenses of human evolution, psychological approaches, economic system, ideology, and the international system.

3365 Politics, Games, and Strategy

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.

3375 Model United Nations

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.

4303 International Human Rights

Pre-requisite(s): Upper-level standing.

The philosophy and implementation of human rights protection in the United States and abroad.

4315 Political Geography

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.

4316 Grand Strategy

Pre-requisite(s): Upper-level standing.

The relationship between a great power's grand strategy and stability in international politics.

4325 Asian International Relations (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.

4335 Public Discourse and Foreign Policy (Cross-listed as CSS 4353)

See CSS 4353 for course information.

4346 Intelligence and Covert Action

Pre-requisite(s): Upper-level standing.

The impact of intelligence, counterespionage, and covert action policies on national security policy and international relations.

4355 Power, Morality, and International Relations

Pre-requisite(s): Upper-level standing.

The influence of moral principles on international politics.

4365 International Political Economics

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.

4375 International Organization

Fundamentals of international politics and international law, advancing to an intensified study of past and, particularly, present international organizations, especially the United Nations.

4385 Diplomacy in Theory and Practice

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.

4395 Terrorism

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.

4V89 Advanced Model Organization of American States (Cross-listed as HIS 4V89)

1 to 3 sem. hrs.

See HIS 4V89 for course information.

COMPARATIVE POLITICS (PSC)**3304 Comparative Politics**

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.

3314 Politics and Problems of Developing Countries (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.

3324 World Political Systems

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.

4304 Governments and Politics of Latin America

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.

4314 Government and Politics of Mexico

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.

4324 British Government and Politics

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.

4334 Governments and Politics of the Middle East

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.

4344 Government and Politics of Russia

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.

4354 Governments and Politics of Western Europe

Pre-requisite(s): Upper-level standing.

A comparative study of the forms of government organization, political processes, and major developments in Western Europe. Course emphasizes parliamentary forms of democracy.

4364 The Governments and Politics of the Asia-Pacific Region (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.

4374 Governments and Politics of East Asia (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.

4379 Islam and Democracy

Pre-requisite(s): Upper-level standing.

Examines the evolution of political philosophy and institutions in Muslim culture.

4384 Principles of Political Development

The development of contemporary states and nations, emphasizing war, geographic location, natural resources, and cultural and religious norms as determinants of different experiences.

4386 Russia and the World

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 US, Europe, and post-Soviet states, including spheres of cooperation and rivalry between Russia and the West, regional conflicts, energy politics, non-proliferation, and counterterrorism.

4397 Dictatorship, Democracy and Regime Change

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.

Public Policy/Administration (PSC)

3300 The Environment and Political Processes (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.

3312 Principles of Public Administration

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.

3322 American Public Policy

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.

3382 Public Service Internship

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.

3392 Washington Internship

Pre-requisite(s): Consent of program director.

Research and seminars which will usually include attendance at a seminar held in Washington. Also required is regularly scheduled fieldwork in a governmental or not-for-profit agency located in Washington.

3398 Bob Bullock Internship

Selection as a Bullock Scholar Fieldwork and research in the Texas Legislature or Executive Branch as part of the Bob Bullock Scholars program.

3692 Baylor in Washington Semester Internship

Pre-requisite(s): Consent of instructor.

Research and seminars supplemented by regularly scheduled fieldwork in a political office located in Washington

4322 Seminar in Public Administration

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.

4342 Public Policy and the Courts

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.

OTHER (PSC)**4390 Reading Course in Political Science**

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.

4V94 Special Topics in Political Science

1 to 6 sem. hrs.

Examination of special topics in government and politics. May be repeated once under different topic not to exceed six semester hours.

PORTUGUESE (POR)

1101 Portuguese Language Workshop

For music students, supplemental language training to accompany regular 1301 language sections.

1102 Portuguese Language Workshop

For music students, supplemental language training to accompany regular 1302 language sections.

1301 Elementary Portuguese

Introduction to Portuguese language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice proficiency levels. Fee: \$50.

1302 Elementary Portuguese

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. Fee: \$50.

2310 Intermediate Portuguese

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). Fee: \$50

2320 Exploring the Portuguese-Speaking World

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. Fee: \$50

3V90 Special Topics in Portuguese

1 to 3 sem. hrs.

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)

1103 Nature of Healthcare Relationships

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.

1105 Foundations of Medicine

A broad survey of the premedical studies, the preparation for medical school admission, and the medical profession.

1106 Introduction to the Health Professions

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.

1206 Introduction to the Health Professions

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.

1V9R Research**0 to 3 sem. hrs.**

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.

2101 Foundations of Medical Research

Introduction to clinical/medical research in an academic medical setting, including medical ethics, research modalities, and evaluation tools.

2102 Special Topics in Pre-Health

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.

2V9R Research**0 to 3 sem. hrs.**

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.

3V9R Research**0 to 3 sem. hrs.**

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.

4V9R Research**0 to 3 sem. hrs.**

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.

PROFESSIONAL WRITING & RHETORIC (PWR)**2314 Introduction to Professional Writing and Rhetoric**

Surveys core theories of writing and rhetoric in a variety of professional genres and familiarizes students with the range of possible careers.

3300 Technical Writing

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.

3303 Persuasive and Argumentative Writing

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.

3309 Creative Nonfiction

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.

3321 Tutoring Writing

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.

3313 Literacy Studies

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.

3316 Women's Writing and Rhetoric

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).

3317 Rhetoric of Race

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.

3318 Professional and Workplace Writing

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.

3326 Studies in Public and Civic Writing

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.

3385 Special Topics in Writing Workshop

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

Writing workshop centered on a particular topic. Students 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.

3V9R Research**0 to 3 sem. hrs.**

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.

4309 Undergraduate Research and Publication

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.

4311 Writing for Social Change

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.

4321 New Media Writing and Rhetoric

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.

4323 Editing and Publishing

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.

4348 Religious Rhetoric and Spiritual Writing

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.

4349 Advanced Creative Nonfiction

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.

4375 Special Topics Lecture in Writing and Rhetoric

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.

4377 Writing Internship

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.

4V9R Research

0 to 3 sem. hrs.

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)

2101 Professional Development

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.

PSYCHOLOGY (PSY)

1101 New Student Seminar in Psychology and Neuroscience (Cross-listed with 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.

1305 Psychological Science: Understanding Human Behavior

A survey course investigating the connection between mind, brain, and behavior.

1V9R Research

0 to 3 sem. hrs.

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.

2402 Statistics

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. Fee: \$50

2405 Research Methods in Psychology

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. Fee: \$100

2V9R Research

0 to 3 sem. hrs.

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.

3111 Laboratory in Cognition (Cross-listed as NSC 3111)

See NSC 3111 for course information.

3120 Laboratory in Learning and Behavior (Cross-listed as NSC 3120)

See NSC 3120 for course information.

3123 Laboratory in Sensation and Perception (Cross-listed as NSC 3123)

See NSC 3123 for course information.

3308 Theories of Psychotherapy and Counseling

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.

3309 Introduction to Clinical Psychology

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.

3310 Social Psychology

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor.

A study of individual behavior as affected by cultural and social stimuli.

3311 Cognition (Cross-listed as NSC 3311)

See NSC 3311 for course information.

3314 Industrial/Organizational Psychology

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.

3318 Psychology of Memory

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.

3320 Learning and Behavior (Cross-listed as NSC 3320)

See NSC 3320 for course information.

3321 Abnormal Psychology

An introduction to historical and modern views of abnormal behavior and a survey of the field of psychological disorders. For non-majors only.

3323 Sensation and Perception (Cross-listed as NSC 3323)

See NSC 3323 for course information.

3330 Psychopathology

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.

3333 Biopsychology of Health Disparities

Pre-requisite(s): PSY 1305.

The study of the biopsychosocial factors leading to socioeconomic health disparities.

3335 Child Psychopathology

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.

3341 A Survey of Human Development

A survey of the field of developmental psychology. Consideration is given to the development of human behavior from conception to death. For nonmajors only.

3350 Developmental Psychology

Pre-requisite(s): NSC 1106-1306 and PSY 1305.

Social, emotional, cognitive, and psychological growth and development. For majors only.

3355 Drugs and Behavior

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.

3360 Psychology of Gender

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.

3370 Affective Neuroscience (Cross-listed as NSC 3370)

See NSC 3370 for course information.

3375 Sleep (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.

3380 Forensic Psychology

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor.

Psychology as it relates to criminal and civil law.

3399 Positive Psychology and Well-Being

Pre-requisite(s): PSY 1305 and 2402.

Positive psychology theory, research, and interventions.

3406 Comparative Psychology

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. Fee: \$50

3425 Group Processes

Pre-requisite(s): PSY 1305 and 2402, or consent of instructor.

Group dynamics, leadership roles in problem solving, and analysis of interpersonal behavior. (3-3) Fee: \$50

3V90 Community Internship in Psychology

1 to 3 sem. hrs.

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.

3V9R Research

0 to 3 sem. hrs.

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.

4119 Laboratory in Clinical Neuroscience (Cross-listed as NSC 4119)

See NSC 4119 for course information.

4130 Advanced Laboratory in Neural Science (Cross-listed as NSC 4130)

See NSC 4130 for course information.

4302 Human Development

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor.

Research related to human growth and development.

4312 Behavioral Medicine (Cross-listed as MH 4312 and NSC 4312)

See NSC 4312 for course information.

4315 Psychological Assessment and Psychometrics

Pre-requisite(s): PSY 2402.

Commonly employed psychological tests and the statistical techniques used to develop and validate these tests.

4317 Literature of Behavioral Neuroscience (Cross-listed as NSC 4317)

See NSC 4317 for course information.

4319 Clinical Neuroscience (Cross-listed as NSC 4319)

See NSC 4319 for course information.

4324 Research on the Senses and Perception (Cross-listed as NSC 4324)

See NSC 4324 for course information.

4325 Sports and Exercise Psychology

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.

4327 Theories of Personality

Pre-requisite(s): PSY 1305 and 2402 or consent of instructor.

Major theories of personality.

4329 Consciousness

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.

4330 Advanced Principles of Neural Science (Cross-listed as NSC 4330)

See NSC 4330 for course information.

4339 Psychology of Religion

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.

4355 Psychology and Aging

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.

4371 Advanced Research in Psychology

Pre-requisite(s): Consent of instructor.

An in-depth laboratory research experience in psychology as supervised by a faculty mentor.

Fee: \$50

4380 Psychology of Personal Relationships

Pre-requisite(s): PSY 1305 and 2402; and upper-level standing.

Classic and contemporary theories and research pertaining to personal and social relationships.

4385 Psychology of Film

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.

4395 History of Psychology

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.

4400 Advanced Statistics I

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.

4V96 Special Topics in Psychology I

1 to 4 sem. hrs.

Pre-requisite(s): Consent of instructor.

Course may be repeated once with change in content.

4V9R Research

0 to 3 sem. hrs.

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)**1145 Health and Human Behavior**

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. Fee: \$50

2313 Consumer Health

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.

2330 Introduction to Public and Population Health

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.

2331 Health Concepts and Competencies

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.

3313 Nutrition

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. Fee: \$50

3314 Environmental Health

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.

3317 Mood-Modifying Substances

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.

3320 Stress Management/Mental-Emotional Health

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. Fee: \$50

3325 Maternal and Infant Health

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.

3331 Planning in Public and Community Health

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.

3350 Human Physiology for Allied Health Professionals

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. Fee: \$50

3351 Epidemiology/Vital Statistics

An introductory epidemiology course for students interested in public health. Topics will include historical foundations, study designs, and organizing and analyzing epidemiologic data.

4320 Men's Health and Wellness

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.

4321 Human Sexuality

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. Fee: \$50

4323 Professional Field Experiences in Health

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.

4327 Dying and Death Education

Pre-requisite(s): Upper-level standing.

A program of death education designed to help people to develop constructive attitudes, values, and practices. Dynamics of later life and the aging process with special emphasis on health will also be included. Fee: \$50

4331 Intervention Design in Public and Community Health

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.

4333 Evaluation in Public and Community Health

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.

4340 Global Health (Cross-listed as NUR 4340)

Overviews global health issues and the role of health education and public health worldwide.

4341 Cross-Cultural Health Communication

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.

4355 Human Diseases

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.

4V80 Professional Internship in Health

1 to 6 sem. hrs.

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)

2302 Business Data Analysis I

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.

3305 Introduction to Business Analytics

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.

3306 Statistical Models in Business

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.

4V98 Special Studies in Quantitative Business Analysis

1 to 6 sem. hrs.

Not open to pre-business students.

RECREATION & LEISURE SERVICES (RLS)

1202 First Aid (Cross-listed as HP 1202)

See HP 1202 for course information.

1234 Canoeing Instructor Certification

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. Fee: \$50

1235 Sailing & Canoeing Instructor

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. Fee: \$50

1396 Introduction to Leisure Services

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.

2201 Adventure Recreation Leadership and Challenge Course Facilitation

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.

2202 Climbing Wall Instructor Certification Course

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.

2301 Camp Counseling and Administration

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.).

2388 Leisure and Lifestyle Well-Being

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.

2389 Leadership and Facilitation in Leisure Services

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.

2395 Foundations of Therapeutic Recreation

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.

3301 Theory and Practice of Outdoor Adventure Programs

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. (Lab fee required.) Fee: \$50

3302 Program Planning in Leisure Services

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.

3303 Outdoor Adventure Certifications

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. Fee: \$50

3382 Risk Management in HHPR (Cross-listed as HP 3382)

See HP 3382 for course information.

3396 Field Laboratory in Leisure Services

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)

4301 Outdoor Education

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.

4331 Meanings, Culture, and Philosophy of American Landscapes

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. Fee: \$50

4390 Independent Study in Recreation

Pre-requisite(s): For majors only.

Additional in-depth study in a particular area under the supervision of a faculty member.

4391 Leisure Service Management

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.

4392 Professional Issues and Practices in Leisure Services

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.

4393 Facilities and Equipment in HHPR (Cross-listed as HP 4393)

See HP 4393 for course information.

4395 Principles of Church Recreation

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.

4396 Considerations for Diverse Populations in Leisure Programming

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.

4V13 Recreation & Leisure Services Field School**3 to 9 sem. hrs.**

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.

4V94 Internship in Leisure Services**3 to 9 sem. hrs.**

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)**INTRODUCTORY RELIGION COURSES (REL)****1310 The Christian Scriptures**

An introduction to the Old and New Testaments (their contents, historical backgrounds, and major themes), and to appropriate strategies for interpretation of the Bible.

1350 The Christian Heritage

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.

BIBLICAL STUDIES (REL)**3301 Psalms and Wisdom Literature**

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.

3303 Archaeology and the Bible (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.

3304 Prophets

Pre-requisite(s): REL 1310 and 1350.

A study of Old Testament prophecy emphasizing the prophetic books-their origins, times, and messages.

3305 Interpreting the Old Testament

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.

3307 Former Prophets

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.

3308 The Literature of the Pentateuch: Narrative, Poetry, Genealogy, and Law

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.

3311 Jesus and the Gospels

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."

3312 The Johannine Literature

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.

3314 Paul and His Writings

Pre-requisite(s): REL 1310 and 1350.

A study of the life and letters of the apostle Paul.

3315 The General Epistles

Pre-requisite(s): REL 1310 and 1350.

A study of Hebrews, James, 1 and 2 Peter, Jude, and 1, 2, and 3 John.

3319 Interpreting the New Testament

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.

3V00 Biblical Heritage and Contemporary Society in the Holy Land (Cross-listed as MES 3V00)

1 to 3 sem. hrs.

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.

4302 Archaeology and the Ancient Near East (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.

4305 Topics in Old Testament Studies

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.

4315 Topics in New Testament Studies

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.

4V06 Palestinian Archaeology**1 to 6 sem. hrs.**

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.

NEW TESTAMENT STUDIES (REL)**4317 Early Christianity and Identity in the Roman World**

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.

BIBLICAL & RELATED LANGUAGES (REL)**3309 Advanced Biblical Hebrew I**

Pre-requisite(s): HEB 1302 or its equivalent.

Selected readings in narrative prose of the Hebrew Bible with attention to advanced grammar and syntax.

3310 Advanced Biblical Hebrew II

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.

3320 Advanced Classical and Biblical Greek I

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.

3321 Advanced Classical and Biblical Greek II

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.

4303 Aramaic (Cross-listed as ARA 4303)

See ARA 4303 for course information.

4304 Syriac (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.

4316 Readings in the Greek New Testament and Early Christian Literature

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.).

HISTORICAL STUDIES (REL)**3330 Introduction to Church History**

Pre-requisite(s): REL 1310 and 1350.

A survey of church history from New Testament times to the present.

3331 Topics in Historical Studies

Pre-requisite(s): REL 1310 and 1350.

Major themes or movements in church history. The course may be repeated once with a different topic.

3333 History of Roman Catholicism

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.

3338 Women in Christian History

Pre-requisite(s): REL 1310 and 1350.

A survey of the role of women in Christian history from the early church to the present.

3339 Law and Religion in the United States (Cross-listed as PHI 3339 and PSC 3339)

See PHI 3339 for course information.

3344 New Religious Movements in the United States

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.

3348 Hitler and the Holocaust (Cross-listed as HIS 3308)

See HIS 3308 for course information.

4333 History of Protestantism

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.

4335 Baptist Life and Thought

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.

4336 Introduction to Religion in America

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.

4337 The European Reformation

Pre-requisite(s): REL 1310 and 1350.

The theology and historical context of the Magisterial, Radical, and Catholic sixteenth-century European Reformation.

4338 Women in Religion in America

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.

4340 Christian Missions

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.

4341 World Christianity

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.

PRACTICAL STUDIES (REL)**2480 Introduction to Ministry**

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. Fee: \$50

3381 Communication in Ministry

Pre-requisite(s): REL 1310 and 1350.

A study and practice of effective communication in ministry.

3382 Cross-Cultural Ministry

Pre-requisite(s): REL 1310 and REL 1350.

Issues related to cross-cultural ministry and contemporary approaches for Christian missions.

4374 Leadership in Ministry

Pre-requisite(s): REL 1310, 1350 and upper-level standing.

The principles and models of effective leadership in ministry.

Research (REL)

3V02 Undergraduate Research/Experiential Learning

1 to 3 sem. hrs.

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.

4300 Special Topics in Religion

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.

4399 Senior Seminar

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.

THEOLOGICAL STUDIES (REL)**3351 Introduction to Christian Theology**

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.

3352 Monks, Martyrs and Heretics in Early Christianity

Pre-requisite(s): REL 1310 and 1350.

The emergence of doctrines and identity in earliest Christianity.

3353 Persecution and Martyrdom of Christians in Antiquity and Today

Pre-requisite(s): REL 1310 and REL 1350.

Christian persecution and martyrdom with focus on earliest Christianity and the modern era.

3370 Religion and Literature (Cross-listed as ENG 3370)

See ENG 3370 for course information.

3390 Christian Ethics

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.

3391 Global Ethics

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).

3394 War and Peace in the Christian Tradition

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.

3396 Christianity and Films

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.

3397 Gender, Feminism and Theology

Pre-requisite(s): REL 1310 and 1350.

Christian theology through the lenses of gender and feminism, including questions, critiques, and arguments of feminist theologians.

4350 Augustine's Theological Development (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.

4355 Salvation

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.

4388 Christian Literary Classics (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.

4389 Disability Ethics

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.

4390 Contemporary Christian Ethics Theory

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.

4393 Environmental Ethics (Cross-listed as ENV 4393)

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.

4395 Bioethics

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.

4396 Religion and Sport (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.

4397 Race, Racism, and Religion in America

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.

4398 Sports-Related Ethics (Cross-listed as HP 4398)

See HP 4398 for course information.

WORLD RELIGIONS (REL)**3345 World Religions (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.

4342 Christianity and the World Religions

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.

4343 Topics in Islam

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.

4346 Topics in Asian Religions (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.

4347 Topics in African Religions

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.

4348 Modern Judaism

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.

4349 The World's Religions and Violence

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.

3V9R Research

0 to 3 sem. hrs.

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.

4356 Christian Persecution and Martyrdom in the Roman World Cross-listed as CLA 4356

See CLA 4356 for course information.

4357 Pagans and Christians in the Later Roman World Cross-listed as CLA 4357

See CLA 4357 for course information.

4V9R Research

0 to 3 sem. hrs.

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)**1101 Russian Language Workshop**

For music students, supplemental language training to accompany regular 1301 language sections.

1102 Russian Language Workshop

For music students, supplemental language training to accompany regular 1302 language sections.

1301 Elementary Russian

Introduction to Russian language and culture: practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice proficiency. Fee: \$50.

1302 Elementary Russian

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. Fee: \$50

2310 Intermediate Russian

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). Fee: \$50.

2320 Russian Culture in Context

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. Fee: \$50

3301 Russian Conversation and Composition

Pre-requisite(s): Fourteen semester hours of Russian or consent of instructor.

Further development of communication skills. Required of all Russian majors.

3302 Russian Reading Development

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.

3310 Russian phonetics and phonology

Pre-requisite(s): RUS 2320 or consent of instructor.

Analysis of Russian phonology and spelling; practice in Russian pronunciation and intonation.

3352 Modern Russian Short Story

Pre-requisite(s): Fourteen semester hours of Russian.

Emphasis on Russian short prose fiction of the twentieth century.

3353 Russian Drama

Pre-requisite(s): Fourteen semester hours of Russian.

Emphasis on the drama of the nineteenth and twentieth centuries.

3380 Russian Literature in Translation I

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.

3381 Russian Literature in Translation II

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.

3V70 Special Problems**1 to 3 sem. hrs.**

Pre-requisite(s): Consent of division director.

With content changed, this course may be repeated once for credit. 1-0

3V9R Research**0 to 3 sem. hrs.**

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.

4301 Survey of Russian Literature

Pre-requisite(s): Seventeen semester hours of Russian including RUS 3301 or consent of instructor.

Russian literature from its beginnings to the Revolution.

4302 Survey of Russian Literature, continued

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.

4V90 Independent Study**1 to 3 sem. hrs.**

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.

4V9R Research**0 to 3 sem. hrs.**

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)**1301 Elementary Sanskrit**

Introduction to the basic elements of Classical Sanskrit: the Devanagari script, grammar, and syntax.

1302 Elementary Sanskrit

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)**1306 Research Techniques I**

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.

1307 Research Techniques II

Pre-requisite(s): Science Research Fellows major.

Techniques and instrumentation for chemistry and biochemistry research labs; toxicology as it applies to all science disciplines.

3V90 Research Problems in Science**1 to 4 sem. hrs.**

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.

4101 Senior Research Seminar I

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.

4102 Senior Research Seminar II

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.

4V90 Senior Research Problems**1 to 4 sem. hrs.**

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 & EASTERN EUROPEAN STUDIES (SEES)**2380 Introduction to Slavic and East European Studies I (Cross-listed as HIS 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.

2381 Introduction to Slavic and East European Studies (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.

2V70 Independent Study**1 to 3 sem. hrs.**

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.

3V70 Advanced Independent Study**1 to 3 sem. hrs.**

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.

4363 Traditional Music and Culture in Europe (Cross-listed as MUS 4363)

See MUS 4363 for course information.

4379 The Cold War (Cross-listed as HIS 4379)

See HIS 4379 for course information.

4V90 Independent Readings**1 to 3 sem. hrs.**

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 INNOVATION COLLABORATIVE (SIC)

4V98 Special Topics in Social Innovation

1 to 4 sem. hrs.

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)

1101 Social Justice and New Beginnings at Baylor

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.

1300 Human Flourishing & Social Issues

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.

2320 Human Diversity and Leadership

This course creates opportunities to increase understanding of diversity and difference, power and privilege, and oppression—as well as an understanding of one's self. 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.

2321 Introduction to Social Work

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.

2V80 Special Topics Variable:

1 to 3 sem. hrs.

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.

3305 Introduction to Gerontology (Cross-listed as GRT 3305 and SOC 3305)

See SOC 3305 for course information.

3351 Human Behavior and the Social Environment I

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.

3352 Human Behavior and the Social Environment II

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.

3371 Social Work Practice I: Generalist Practice

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.

4301 Social Work Research

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.

4305 Data Analysis for Social Work

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. Fee: \$50

4315 Foundations for Social Justice

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.

4316 Trauma, Loss, and Mourning

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.

4317 Human Trafficking

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.

4322 Social Policy for Social Work Practice

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.

4372 Social Work Practice II: Generalist Practice with Groups

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.

4373 Social Work Practice III: Generalist Practice with Organizations and Communities

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.

4393 Sociology of Aging (Cross-listed as GRT 4393 and 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.

4395 Aging and Mental Health (Cross-listed as GRT 4395 and 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.

4401 Statistics for Social Workers

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. Fee: \$50

4491 Social Work Internship I

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. Fee: \$50

4492 Social Work Internship II

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. Fee: \$50

4V70 Special Topics in Social Work**1 to 3 sem. hrs.**

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.

4V80 Special Topics**1 to 3 sem. hrs.**

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)

1305 Introduction to Sociology

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.

1306 Social Problems

An analysis of current social problems with emphasis on sociological aspects of problems in education, family life, religion, and other social institutions.

2310 Introduction to Gender Studies

The impact of gender in the social world, emphasizing social and cultural forces, as well as the impact of biological factors shaping gender.

3305 Introduction to Gerontology (Cross-listed as GRT 3305 and 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.

3309 Religion and Society (Cross-listed as REL 3340)

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.

3311 The Sociology of Race and Ethnicity

Dynamics of race and ethnicity and their interrelationship in society.

3318 Mexican-Americans in U.S. Society

Race relations theories are applied in the analysis of Mexican-American history, education, acculturation economics, identification, politics, and strategies for social change.

3322 City and Community

Relationship of social structure, inequality, and social patterns to human settlement in urban and rural areas.

3330 Women in American Society

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.

3354 Marriage and the Family

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.

3355 Introduction to the Economics of Poverty and Discrimination (Cross-listed as ECO 3355)

See ECO 3355 for course information.

3360 Juvenile Delinquency

Pre-requisite(s): SOC 1305

A study of delinquency in a changing society, with emphasis on social causes and methods of control.

3365 Population Geography

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

Population patterns, emphasizing fertility, mortality, and migrations in various regions.

3372 Population Health

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.

3402 Social Statistics (Cross-listed as ANT 3402)

Pre-requisites: 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. (3-3) Fee: \$100

4303 Applied Sociology

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.

4309 Social Psychology

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.

4310 Death and Dying

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.

4311 Sociology of Sport (Cross-listed as HP 4372)

See HP 4372 for course information.

4315 Sociology of Education

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.

4320 Culture, Personality, and Identity (Cross-listed as ANT 4320)

See ANT 4320 for course information.

4322 Social Inequality

Relational processes in society that limit or harm a group's social status, social class, and social circle.

4325 Sociology of Religion

Ways in which religion influences society, culture, and personality and, conversely, how the latter affect religion.

4331 Social Demography (Cross-listed as ENV 4331)

Statistical study of human populations, including human population, size, growth, density, and distribution.

4335 Sociology of Law

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.

4340 Ethnicity and Aging (Cross-listed as GRT 4340 and SWO 4340)

See SWO 4340 for course information.

4352 Criminology

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.

4353 Sociology of Medicine

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.

4355 Economics of Poverty and Discrimination (Cross-listed as ECO 4355)

See ECO 4355 for course information.

4357 Health Inequalities in America

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.

4366 Social Movements

Contemporary social change as an outcome of the economic, political, and social processes involved in the development of post-industrial society.

4381 Methods of Social Research

Pre-requisite(s): SOC 1305, 3402; and three semester hours of mathematics.

Basic methods and techniques used in social research.

4391 Social Theory

Pre-requisite(s): Senior status and nine semester hours in sociology including SOC 1305 and 3402.

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.

4393 Sociology of Aging (Cross-listed as SWO 4393 and GRT 4393)

See SWO 4393 for course information.

4395 Aging and Mental Health (Cross-listed as SWO 4395 and GRT 4395)

See SWO 4395 for course information.

43C9 Senior Colloquium

Pre-requisite(s): SOC 1305, 3402, 4381, 4391 and senior standing.

A final overview of the major works of theory and research in sociology, including all subfields, and involving all sociology professors.

4V70 Special Topics in Sociology Variable:**1 to 3 sem. hrs.**

Pre-requisite(s): SOC 1305 and consent of instructor.

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 only.

4V9R Research**0 to 3 sem. hrs.**

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)**1101 Spanish Language Workshop**

For music students, supplemental language training to accompany regular 1301 language sections.

1102 Spanish Language Workshop

For music students, supplemental language training to accompany regular 1302 language sections.

1301 Elementary Spanish

Introduction to SPA language and cultures; practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Progress through novice proficiency levels. Fee: \$50.

1302 Elementary Spanish

Pre-requisite(s): SPA 1301 or SPA 1401.

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. Fee: \$50.

1304 Elementary Spanish for Heritage Speakers

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.

1412 Accelerated Elementary Spanish

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. Fee: \$50

2304 Intermediate Spanish for Heritage Speakers

Pre-requisite(s): 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. Fee: \$50

2310 Intermediate Spanish

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). Fee: \$50

2311 Intermediate Spanish for Teachers

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. Fee: \$50

2320 Exploring the Spanish-Speaking World

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. Fee: \$50

2321 Intermediate Spanish for Health Professions

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. Fee: \$50

2322 Spanish for Christian Ministry

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. Fee: \$50

2324 Spanish for Business

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. Fee: \$50

2412 Accelerated Intermediate Spanish

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.

3001 Spanish for Health Professions Certificate Project

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.

3302 Conversation and Composition

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.

3305 Introduction to Hispanic Literature

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.

3309 Introduction to Spanish Linguistics

Pre-requisite(s): SPA 2320, 2321, or 2322; 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.

3310 Spanish Civilization

Pre-requisite(s): SPA 2320, 2321, 2322, or 3302 or consent of division director.

Study of Spanish history and culture.

3311 Spanish-American Civilization

Pre-requisite(s): SPA 2320, 2321, 2322, or 3302 or consent of division director.

Study of Spanish-American history and culture.

3350 Survey of Spanish Literature through the Seventeenth Century

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.

3352 Survey of Spanish Literature from the Eighteenth Century

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.

3354 Survey of Latin American Literature to 1880

Pre-requisite(s): SPA 3305 or consent of division director.

Study of literary selections from the Spanish conquest to 1880; readings, lectures, and reports.

3356 Survey of Latin American Literature from 1880 to Present

Pre-requisite(s): SPA 3305 or consent of division director.

Study of literary selections from 1880 to the present; readings, lectures, and reports.

3V9R Research

0 to 3 sem. hrs.

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.

4303 Spanish Phonology and Morphophonology

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.

4304 Spanish Syntax

Pre-requisite(s): SPA 3309.

Spanish word order and sentence formation, phrasal structures and constructions that are different from English.

4305 Spanish Semantics and Pragmatics

Pre-requisite(s): SPA 3309.

including the study of signs and appropriate contexts, sentences, and discourse and elements of conversation

4315 Methods of Foreign Language Teaching (Cross-listed with FRE 4315 and 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.

4321 Spanish for Medical Professions II

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.

4330 Advanced Grammar, Composition and Conversation

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.

4340 Professional and Literary Translation

Pre-requisite(s): SPA 4330 or equivalent or consent of instructor.

The theory and practice of translation, including poetry, short stories, and technical documents.

4362 Spanish Drama of the Golden Age

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.

4363 Cervantes

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.

4364 Nineteenth Century Spanish Literature

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.

4366 Twentieth Century Spanish Literature

Pre-requisite(s): SPA 3305.

Study of representative poets, playwrights, and novelists of this century. Lectures, student reports, class discussions, and term papers.

4372 Latin American Short Story

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.

4375 Contemporary Spanish American Theater

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.

4376 The Spanish-American Novel

Pre-requisite(s): SPA 4370, 4374 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.

4378 Latin American Poetry

Pre-requisite(s): SPA 3305.

An overview of poetic trends in Latin American literature from pre-Hispanic times to the twentieth century.

4388 Topics in Hispanic Language and Literature

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.

4V90 Special Problems

1 to 3 sem. hrs.

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.

4V9R Research

0 to 3 sem. hrs.

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)**1301 Statistical Reasoning: A Guide to the Unknown**

Pre-requisite(s): Freshman standing and consent of statistics undergraduate faculty advisor.

Philosophical, ethical, and sociological issues related to statistical uncertainty and randomness.

1380 Elementary Statistics

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.

1V9R Research

0 to 3 sem. hrs.

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.

2300 Introduction to Data Science (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.

2381 Introductory Statistical Methods

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.

2450 Introduction to Computing for the Mathematical and Statistical Sciences

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.

2V9R Research**0 to 3 sem. hrs.**

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.

3381 Probability and Statistics

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.

3386 Regression Analysis

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.

3V90 Undergraduate Research in Statistics**1 to 3 sem. hrs.**

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.

3V9R Research**0 to 3 sem. hrs.**

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.

4330 SAS Programming for Statistical Science

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.

4350 Statistical Machine Learning

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.

4360 Bayesian Data Analysis

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.

4362 Applied Time Series Analysis

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.

4370 Sampling Techniques

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.

4371 Data Management and Mining

Pre-requisite(s): STA 3381.

Terminology, techniques, and management of Data Mining for biostatisticians.

4372 Introduction to Biostatistics

Pre-requisite(s): STA 2381 or STA 3381 or consent of the instructor.

Data Analysis for biostatisticians in the biomedical and pharmaceutical fields.

4373 Computational Methods in Statistics

Pre-requisite(s): STA 2381 or STA 3381 or consent of the instructor.

Computational methods using statistical packages and programming.

4374 Statistical Process Control

Pre-requisite(s): STA 3381 or equivalent.

Development of statistical concepts and theory underlying procedures used in statistical process control applications and reliability.

4382 Intermediate Statistical Methods

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.

4384 Applied Multivariate Methods

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.

4385 Mathematical Statistics I

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.

4386 Mathematical Statistics II

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.

4387 Introduction to Probability Models

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.

43C9 Capstone Statistics Course

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.

4V90 Special Topics in Statistics**1 to 3 sem. hrs.**

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.

4V9R Research**0 to 3 sem. hrs.**

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)**1101 Academic and Personal Success**

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.

1102 Academic and Personal Achievement

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.

1103 College Success: Freshmen

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.

1104 Transferring Your Success

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.

1200 Strategic Learning for College Academics

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.

1201 Strategic Learning

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.

SWAHILI (SWA)

1101 Swahili Language Workshop

For music students, supplemental language training to accompany regular 1301 language sections.

1102 Swahili Language Workshop

For music students, supplemental language training to accompany regular 1302 language sections.

1301 Elementary Swahili

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. Fee: \$50.

1302 Elementary Swahili

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. Fee: \$50.

2310 Intermediate Swahili I

Pre-requisite(s): SWA 1302.

Practice in three communicative modes at intermediate-level proficiency: interpersonal, presentational (speaking, writing), and interpretive (listening, reading). Fee: \$50.

2320 Intermediate Swahili II

Pre-requisite(s): SWA 2310.

Continuation of SWA 2310. Fee: \$50

SYRIAC (SYR)

4304 Syriac (Cross-listed as REL 4304)

See REL 4304 for course information.

TEACHER EDUCATION (TED)

1112 Instructional Technology Lab

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. Fee: \$100

1312 Introduction to Teaching I

This course provides preparation in the role of a teacher. Students will learn teaching strategies that are then applied in a tutoring experience. Fee: \$100.

2112 Instructional Technology Lab II

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. Fee: \$100

2320 Teaching in the Elementary School

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.

2330 Teaching in the Middle Grades

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.

2340 Teaching in Secondary Schools

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.

2360 Teaching Special Education

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.

2370 Teaching Physical Education

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.

2380 Introduction to Education

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.

2381 American Educational Thought

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.

3180 Social Issues in Education Lab

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.

3301 Early Literacy Learning

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. Fee: \$50

3325 Literacy Instruction in the Elementary School

Co-requisite(s): TED 3620, 4303, and 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.

3335 Literacy Instruction in the Middle Grades

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.

3336 Middle Grades Science

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.

3340 Teaching Associate Secondary Part I

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. Fee: \$50

3341 Teaching Associate Secondary Part II

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.

3342 School and Classroom Environment

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. Fee: \$50

3346 Foundations of Secondary Reading and Writing

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.

3362 Middle Grades Social Studies

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.

3370 Data Analysis and Instruction

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.

3380 Social Issues in Education

This course will explore cultural and social issues that influence education. Concurrent enrollment in one hour field-based lab required. Fee: \$100.

3383 Secondary Mathematics Practicum I

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.

3384 Secondary Mathematics Practicum II

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.

3385 Secondary Social Studies Practicum I

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.

3386 Secondary Social Studies Practicum II

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.

3387 Secondary Science Practicum

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.

3388 Secondary Science Practicum II

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.

3390 Secondary Foreign Language Practicum I

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.

3391 Secondary Foreign Language Practicum II

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.

3394 Secondary Art Practicum I

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.

3395 Secondary Art Practicum II

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.

3396 Secondary English Language Arts Practicum I

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.

3397 Secondary English Language Arts Practicum II

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.

3398 Secondary Business Practicum I

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.

3399 Secondary Business Practicum II

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.

3620 Teaching Associate Elementary School Part I

Co-requisite(s): TED 3325, 4308, 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. Fee: \$50

3621 Teaching Associate Elementary School Part II

Co-requisite(s): TED 4307 and 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.

3630 Teaching Associate Middle Grades Part I

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. Fee: \$50

3631 Teaching Associate Middle Grades Part II

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.

3640 Teaching Associate Secondary Part I

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.

3641 Teaching Associate Secondary

Pre-requisite(s): TED 3380.

Practicum of 100 hours in a local secondary classroom matching the selected content certification area. Course includes weekly seminars.

3651 Teaching Associate EC-6 with Special Education and Gifted Education

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.

3670 Teaching Associate Physical Education Part I

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. Fee: \$50

3671 Teaching Associate Physical Education Part II

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.

4302 Elementary Reading - Integrated Language Arts

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.

4303 Comprehension of Expository Texts

Pre-requisite(s): TED 1312.

Preservice teachers will develop understanding of pedagogies that help elementary students develop proficiency in comprehending expository texts.

4307 Science in the Elementary School

Co-requisite(s): TED 3621 and 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. Fee: \$50

4308 Social Studies in the Elementary School

Co-requisite(s): TED 3325, 3620, and 4303.

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. Fee: \$50

4312 Methods of Teaching English as a Second Language

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.

4322 English Curriculum

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.

4325 Science Curriculum

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.

4326 Mathematics in the Elementary Grades

Co-requisite(s): TED 3621 and 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. Fee: \$50

4336 Mathematics in the Upper Elementary Grades

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.

4337 Mathematics in the Middle School

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.

4341 Social Studies Curriculum

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.

4348 Secondary Mathematics Curriculum

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. Fee \$50

4349 Critical Issues in Mathematics Education

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.

4355 Teaching Economic Geography in Social Studies

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.

4397 Student Teaching in Private Schools

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.

4399 International Internship Comparative Education

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.

4620 Internship Elementary Part I

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.

4621 Internship Elementary Part II

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.

4622 Internship Elementary Part III

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.

4623 Internship Elementary Part IV

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.

4630 Internship Middle Grades Part I

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

4631 Internship Middle Grades Part II

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.

4632 Internship Middle Grades Part III

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.

4633 Internship Middle Grades Part IV

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.

4640 Internship Secondary Part I

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.

4641 Internship Secondary Part II

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.

4642 Internship Secondary Part III

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.

4643 Internship Secondary Part IV

Co-requisite(s): TED 4642.

Pre-requisite(s): Grade of B or better in TED 3342, 3641, and 33XX Secondary Content Practicum

4652 Internship Gifted and Talented Part III

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.

4653 Internship Gifted and Talented Part IV

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.

4670 Internship Physical Education Part I

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.

4671 Internship Physical Education Part II

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.

4672 Internship Physical Education Part III

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.

4673 Internship Physical Education Part IV

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.

4690 Secondary School Teaching

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.

4V98 Special Topics in Teacher Education

1 to 6 sem. hrs.

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.

THEATER ARTS (THEA)**1101 Fundamentals of Voice and Movement I**

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.

1102 Fundamentals of Voice and Movement II

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.

1103 Freshman Voice for Traditional Musical Theatre

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. Fee: \$75

1104 Freshman Voice for Contemporary Musical Theatre

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. Fee: \$75

1110 The Fine Arts: An Experiential Survey of Music, Art, Theatre, and Film

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.

1301 Acting I: Realism

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. Fee: \$75

1302 Acting Realism: Scene Study

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. Fee: \$75

1306 Introduction to Theatre

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. Fee: \$50. Students with credit in Thea 1306 may not earn credit for Thea 1206.

1312 Scenic Elements

Basic course in stagecraft. Technical crew lab included. Fee: \$75

1316 Costume and Stage Makeup Elements

Study and application of the theories and techniques of theatrical costuming, construction of theatrical clothing, and theatrical makeup. Technical crew lab included. Fee: \$150

1324 Script Analysis

Introduction to the process of script analysis, focusing on play structure, environmental research, and character development, and culminating in a written play analysis.

1380 Introduction to Theatre Aesthetics

An introduction to basic theatre aesthetics. Emphasis placed on elements and principles of design for visual storytelling.

1383 Theatrical Drafting

Introduction to theatrical hand drafting techniques, tools, and standards, including fundamentals of graphic problem solving by visualization of elements in three dimensional space. Fee: \$75

2101 Applied Voice and Movement I

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.

2102 Applied Voice and Movement II

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.

2103 Sophomore Voice for Traditional Musical Theatre

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. Fee: \$75

2104 Sophomore Voice for Contemporary Musical Theatre

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. Fee: \$75

2105 Singing for the Actor

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.

2113 Workshop in Traditional Musical Theatre I

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. Fee: \$75

2114 Workshop in Contemporary Musical Theatre I

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. Fee: \$75

2298 Ballet I

Ballet with emphasis on technique and vocabulary. Theatre Arts majors may substitute this class for one semester of Human Performance.

2299 Jazz I

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.

2301 Acting: Physical Methods

Pre-requisite(s): THEA 1302.

An Introduction to the physical methods of Acting, focusing on Viewpoints. Fee: \$75

2302 Acting: Shakespeare

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. Fee: \$75

2316 Stage Makeup

Study and application of theories and techniques of theatrical makeup. Technical crew laboratory included. Fee: \$85

2370 Technology Fundamentals for Theatre

Introduction to essential software and technologies utilized in the creation of a live theatrical production. Fee: \$75

2371 Lighting and Sound Elements

General principles and practices of stage lighting and theatrical sound technology. Technical crew laboratory included. Fee: \$75

2374 Theater History I

Historical investigation of theatre practice, performance, and dramatic literature from ancient times through the Renaissance.

2375 Theater History II

Historical investigation of theatre practice, performance, and dramatic literature from the Renaissance through the nineteenth century. Emphasis on Europe and North America.

2383 Theatrical Drawing and Rendering

Principles and practices of drawing, rendering, and modeling techniques used for the theater. Fee: \$75

2385 Technical Theatre for Non-Theatre Majors

Pre-requisite(s): Consent of the Instructor

An introductory study of the tools, techniques, and concepts related to the technical aspects of theatre production. Fee: \$75

2390 Stage Management

The art and craft of stage management, including the role and responsibilities of the stage manager. Fee: \$75

3001 Production Lab

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.

3103 Junior Voice for Traditional Musical Theatre

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. Fee: \$75

3104 Junior Voice for Contemporary Musical Theatre

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. Fee: \$75

3106 Production Lab II

Pre-requisite(s): Junior standing and THEA 3105.

Continuation of THEA 3105.

3113 Workshop in Traditional Musical Theatre II

Pre-requisite(s): THEA 2113 and consent of instructor.

A continuation of THEA 2113. Fee: \$75

3114 Workshop in Contemporary Musical Theatre II

Pre-requisite(s): THEA 2114 and consent of instructor.

A continuation of THEA 2114. Fee: \$75

3297 Tap I

Pre-requisite(s): THEA 2298.

Tap with an emphasis on the basic steps, rhythms, and music theory related to the dance.

3298 Ballet II

Pre-requisite(s): THEA 2298.

A continuation of Ballet I, refining technique and developing broader ranges of movement.

3301 Acting: Advanced Realism

Pre-requisite(s): THEA 2302 and consent of instructor.

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. Fee: \$75

3302 Acting: Advanced Auditioning

Pre-requisite(s): Upper-level standing

An exploration of auditioning techniques and professional auditioning practices in the Theatre. Fee: \$75

3303 Theatre for Young Audiences

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. Fee: \$75

3304 Acting: Playwright Study

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). Fee: \$75

3316 Costume Draping and Patterning

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. Fee: \$75

3323 Costume Crafts

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. Fee: \$75

3324 Directing I/Script Analysis

Pre-requisite(s): THEA 1301 and upper-level standing.

A study of play analysis for beginning directors. Workshop laboratory required. Fee: \$75

3325 Directing II

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. Fee: \$75

3326 Costume Design

Pre-requisite(s): THEA 1316.

Development and execution of costume designs for a variety of theatrical situations. Lectures, design projects, critiques, and discussions. Fee: \$75

3327 Advanced Makeup Techniques

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. Fee: \$75

3333 Theatre in Cultural Context

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.

3341 Master Works in Drama (Cross-listed as GTX 3341)

See GTX 3341 for course information.

3352 Japanese Theatre and Culture (Cross-listed as JPN 3352)

History and practice of theatre in Japan from earliest recorded history to the present era.

3363 Metal-Working for the Theatre

Pre-requisite(s): THEA 1312.

Prepares students for various aspects of metal-working for the theatre, including safety, welding, cutting, and shaping. Fee: \$75

3370 Scene Design

Pre-requisite(s): THEA 1312

Survey of theatrical design and scene designers, and the realization of students' designs as floor plans, renderings, and models. Fee: \$75

3371 Lighting Design

Pre-requisite(s): THEA 2371

Lighting design in theatrical production and as an artistic tool in manipulating three dimensional space. Fee: \$75

3372 Scene Painting

Pre-requisite(s): THEA 1312; upper-level standing.

Introduction to large scale painting. Students execute texture techniques. Fee: \$75

3373 Short-form Playwriting

Pre-requisite(s): THEA 1324.

Development of techniques and skills of dramatic writing through practice in creating short-form original dramatic work.

3380 Sound Design (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. Fee: \$75

3383 Computer Aided Drafting and Modeling

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. Fee: \$75

3390 Marketing for the Performing Arts

Audience development principles and marketing techniques for both commercial and non-profit arts organizations. Emphasis on live theatre. Technical crew lab included.

3398 Theatrical Props: Construction and Management

Pre-requisite(s): THEA 1312 and consent of instructor.

Practical study of the design, construction, organization, and implementation of theatrical properties in production. Fee: \$75

3V9R Research

0 to 3 sem. hrs.

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.

4102 Theatre in the Professional World

Pre-requisite(s): Senior standing and consent of instructor.

Prepares majors for the transition from academia to the professional arena. Fee: \$75

4103 Senior Voice for Traditional Musical Theatre

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. Fee: \$75

4104 Senior Voice for Contemporary Musical Theatre

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. Fee: \$75

4107 Production Lab III

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.

4108 Production Lab IV

Pre-requisite(s): Senior standing and THEA 3106.

A continuation of production methods learned in THEA 3106.

4113 Workshop in Traditional Musical Theatre III

Pre-requisite(s): THEA 3113 and consent of instructor.

A continuation of THEA 3113. Fee: \$75

4114 Workshop in Contemporary Musical Theatre III

Pre-requisite(s): THEA 3114 and consent of instructor.

A continuation of THEA 3114. Fee: \$75

4190 Portfolio Development

Pre-requisite(s): Consent of instructor.

Development of design portfolios and presentation skills needed for professional employment in theatrical design.

4215 Art as Civic Practice: Engagement, Collaboration, and Inclusivity

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.

4297 Jazz II

Pre-requisite(s): THEA 2298 and 2299.

Continuation of Jazz I, refining technique and exploring different styles of jazz and character dance.

4298 Tap II

Pre-requisite(s): THEA 3297.

Continuation of Tap I, refining technique and exploring advanced rhythms and steps.

4301 Acting for the Camera

Pre-requisite(s): THEA 1301, 2101, 2301, 2302, 3301, and 3302.

Preparation for professional performance in television and film. Fee: \$75

4321 History of Costume

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

A study of dress from Egyptian times to the twentieth century.

4322 History of Decor in the Western World

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.

4326 Advanced Costume Design

Pre-requisite(s): THEA 3326.

Advanced principles and practices of costume design, with an emphasis on the design team/director collaboration. Fee: \$75

4335 Creative Dramatics

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.

4351 Automated Lighting

Pre-requisite(s): THEA 2371.

Design techniques and the programming of automated lighting fixtures on various lighting consoles. Fee: \$75

4365 Advanced Directing I

Pre-requisite(s): THEA 3324 and 3325.

Directing techniques for departures from realism, with an emphasis on postmodern theatre, musical theatre, and verse drama. Workshop required. Fee: \$150

4366 Advanced Directing II

Pre-requisite(s): THEA 4365.

Continuation of THEA 4365. Workshop required. Fee: \$150

4370 Advanced Scene Design

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. Fee: \$75

4371 Advanced Lighting Design

Pre-requisite(s): THEA 3371.

Developing and executing lighting designs for a variety of situations. Lectures, design projects, cue composition, and critique and discussion. Fee: \$75

4373 Long-form Playwriting

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. Fee: \$75

4376 Theater History III

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.

4377 The Theatre and Christianity

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.

4378 Dramaturgy: Theory and Practice

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.

4379 Advanced Studies in Contemporary Theatre and Drama

Pre-requisite(s): THEA 2374, 2375, and 4378.

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.

4380 Performing Arts Management

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.

4384 Advanced Sound Design (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. Fee: \$75

4390 Advanced Stage Management

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. Fee: \$75

4395 Stage Combat

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. Fee: \$75

4398 Technical Direction for Theater

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. Fee: \$75

4V99 Special Studies in Theater Arts for Majors**1 to 3 sem. hrs.**

Pre-requisite(s): Senior standing and consent of instructor.

Advanced studies in special theater topics. May be repeated for up to six hours credit.

4V9R Research**0 to 3 sem. hrs.**

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.

4VC5 Production Capstone**1 to 3 sem. hrs.**

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. Fee: \$75

UNIVERSITY SCHOLARS (UNSC)**3001 Exit Interview HNR**

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.

3301 University Scholars Capstone HNR

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.

4101 Senior Thesis HNR

Pre-requisite(s): UNSC 3001 or consent of instructor.

Submission of an introductory chapter and bibliography for thesis.

4302 Senior Thesis HNR

Pre-requisite(s): UNSC 4101 or consent of instructor.

Completion of thesis and approval by assigned committee.

4V01 University Scholars Independent Study HNR**1 to 3 sem. hrs.**

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.

4V21 University Scholars Special Topics**1 to 4 sem. hrs.**

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)**1V10 Beginning Science****1 to 3 sem. hrs.**

Beginning science for summer program students.

WOMEN'S & GENDER STUDIES (WGS)**2300 Women's and Gender Studies: An Introduction**

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

Matthew H. Aars, M.S., Senior Lecturer in Computer Science. (2005)

B.S., Texas A&M U.; M.S., Baylor U.

Michael A. Aars, M.S., Senior Lecturer in Computer Science. (2002)

B.S., Baylor U.; M.S., *ibid.*

Suzanne C. Abbe, M.B.A., Senior Lecturer in Accounting. (1987)

B.B.A., Baylor U.; M.B.A., *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., Texas A&M U.; Ph.D., U. of Washington.

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B.S.N., Shreemati Nathibai Damodar Thackersey Women's U.; M.S.N., U. of Texas at Arlington; D.N.P., Texas Christian U.

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B.A., Baylor U.; M.A., Hardin-Simmons U.

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B.S., Baylor U.; M.S., *ibid.*; Ph.D., *ibid.*

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B.S., Baylor U.; M.A., *ibid.*

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B.S., St. Petersburg U.; M.S., *ibid.*; Ph.D., Oregon State U.

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B.A., Emory U.; M.S., Texas A&M U.; Ph.D., George Mason U.

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B.Sc., Kwame Nkrumah University of Science and Technology; MS, University of North Dakota; DrPH, Georgia Southern University

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B.S., Abilene Christian U.; M.A., *ibid.*; Ph.D., U. of Louisville.

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B.M.E., Southwestern U.; M.M., Sam Houston State U.; D.M.A., U. of Houston.

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B.A., Baylor U.; M.A., U. of Kentucky; Ph.D., *ibid.*

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B.A., Texas A&M U.; M.A., U. of Texas at Austin; Ph.D., *ibid.*

Nathan F. Alleman, Ph.D., Associate Professor of Educational Leadership. (2010)

B.A., Messiah College; M.A., Geneva College; Ph.D., College of William and Mary.

Dwight D. Allman, Ph.D., Associate Professor of Political Science. (1995)

B.A., Brigham Young U.; M.A., U. of Chicago; Ph.D., *ibid.*

Guilherme Almeida, M.M., Senior Lecturer in Theatre Arts (2013)

B.C.M., North Brazil Baptist Theological Seminary, M.M., Baylor U.

Claudio Alvarez, Ph.D., Assistant Professor of Marketing. (2015)

B.A., Pontifical Catholic U. of Rio de Janeiro, Brazil; M.B.A., Wharton School, U. of Pennsylvania; M.S., Coppeard Graduate School of Business, Federal U. of Rio de Janeiro, Brazil; Ph.D., Boston U. School of Management.

Euridice Alvarez-Izcoa, D.M.A., Assistant Professor of Oboe. (2018)

B.M., U. Southern Mississippi; M.M., Baylor U.; D.M.A., Eastman School of Music

Erica P. Ancira, M.B.A., Clinical Associate Professor of Management Information Systems. (2015)

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†Lecturer

Charity R. Anderson, Ph.D., Assistant Professor of Philosophy. (2014)

B.A., Biola U.; M.A., *ibid.*; Ph.D., St. Louis U.

Paul E. Anderson, J.D., Clinical Assistant Professor of Insurance. (2017)

B.A., Abilene Christian U; J.D., U. of Texas at Austin.

Matthew Andersson, Ph.D., Assistant Professor Sociology. (2016)

B.S., Knox College; M.A., U. of Iowa; Ph.D., *ibid.*

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B.S., U. of St. Francis, Joliet; M.S., U. of Illinois, Chicago; D.N.P., U. of Iowa, Iowa City

Christen Argueta, M.S.W., Lecturer in Social Work and Online MSW Program Director. (2015)

B.S., Baylor U.; M.S.W., *ibid.*

Amber Arnold, Clinical Assistant Professor of Nutrition Sciences, (2020)

B.S., Stephen F. Austin U.; M.S., *ibid.*

Carrie D. Arroyo, M.S.W., Senior Lecturer in Social Work. (2011)

B.S.W., U. of Texas at Austin; M.S.W., U. of Pennsylvania.

Kendall W. Artz, Ph.D., Professor and Director of the John F. Baugh Center for Entrepreneurship and Free Enterprise and holder of the Curtis Hankamer Chair in Entrepreneurship. (1995)

B.S., Montana State U.; M.B.A., Arizona State U.; Ph.D., Purdue U.

Matt Asare, Ph.D., MPH, MBA, Assistant Professor of Public Health. (2018)

B.A., U. of Ghana; M.I.A., Ohio U.; M.B.A., U. of Rochester; Ph.D., U. of Cincinnati

Sally L. Askins, M.F.A., Associate Professor of Theatre Arts. (1993)

B.F.A., Stephen F. Austin State U.; M.A., *ibid.*; M.F.A., Trinity U.

Stacy C. Atchley, Ph.D., Professor of Geosciences. (1995)

B.S., Baylor U.; M.S., *ibid.*; Ph.D., U. of Nebraska.

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B.S., U. of Alabama, Birmingham; M.Ed., *ibid.*; Ph.D., Baylor U.

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B.S., California Polytechnic State U.; M.A., U. of Texas; Ph.D., U. of Alabama.

Erich J. Baker, Ph.D., Professor and Chair of Computer Science. (2002)

B.A., U. of Notre Dame; M.S., Barry U.; Ph.D., U. of Tennessee, Knoxville.

Lori E. Baker, Ph.D., Professor of Anthropology and Vice Provost for Faculty Development and Diversity. (2002)

B.A., Baylor U.; M.A., *ibid.*; Ph.D., U. of Tennessee.

Jane N. Baldwin, Ph.D., Professor of Accounting, holder of The Ernst and Young Teaching Fellowship. (1981)

B.S., Arkansas Tech U.; M.B.A., Baylor U.; Ph.D., U. of Arkansas.

John G. Bales, M.L.I.S., Assistant Librarian and Theology, Religion, Philosophy Liaison Librarian. (2013)

B.A., Northwestern College; M.Div., Fuller Theological Seminary; M.L.I.S., U. of Wisconsin at Milwaukee.

Robbie B. Barber, M.F.A., Associate Professor of Art. (2000)

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Daniel A. Barish, Ph.D., Assistant Professor of History. (2017)

B.A., Emory U.; M.A., Columbia U.; M.A., Princeton U.; Ph.D., *ibid.*

Beth A. Barr, Ph.D., Professor of History; Associate Dean of the Graduate School; and Faculty-in-Residence at Allen Hall and Dawson Hall. (2002)

B.A., Baylor U.; M.A., U. of North Carolina, Chapel Hill; Ph.D., *ibid.*

Rosalie Barrera, M.A., Senior Lecturer in Spanish. (2002)

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B.A., Baylor; M.A., *ibid.*; Ph.D., U. of Texas at Austin.

Joan P. Barrett, Ph.D., Senior Lecturer in Spanish. (1999)

B.A., Baylor U.; M.A., *ibid.*; Ph.D., Texas A&M U.

Lauren A. Barron, M.D., Clinical Professor and Director of the Medical Humanities Program. (2011)

B.A., Baylor U.; M.D., U. of Texas Health Science Center.

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B.A., Sul Ross State; M.A., Texas Tech U., Ph.D., Texas Tech U.

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B.A., U. of Minnesota; J.D., Marquette U. School of Law, LL.M., Harvard Law School.

Charles P. Baylis, Ph.D., Professor of Electrical and Computer Engineering. (2008)B.S., U. of South Florida; M.S., *ibid*; Ph.D., *ibid*.**Ronald L. Beal, LL.M., Professor of Law. (1983)**

B.A., St. Olaf College; J.D., William Mitchell College of Law; LL.M., Temple U.

Daniel L. Beard, M.A., Lecturer in Film & Digital Media. (2017)B.A. Baylor U.; M.A., *ibid***Haylee A. Beard, M.Acc., Clinical Assistant Professor of Accounting. (2019)**B.B.A., Baylor U.; M.Acc., *ibid*.**Michael D. Beaty, Ph.D., Professor of Philosophy. (1987-88, 1988)**

B.A., Ouachita Baptist U.; M.A., Baylor U.; Ph.D., U. of Notre Dame.

A. Alexander Beaujean, Ph.D., Professor of Psychology & Neuroscience. (2006)B.A., Cedarville U.; M.A., U. of Missouri, Columbia; Ph.D., *ibid*.**Francis J. Beckwith, Ph.D., Professor of Philosophy and Co-Graduate Program Director. (2003)**B.A., U. of Nevada; M.A., Simon Greenleaf U.; M.A., Fordham U.; Ph.D., *ibid*; M.J.S., Washington U. School of Law, St. Louis.**Kenneth S. Befus, Ph.D., Assistant Professor of Geosciences. (2015)**B.S., Texas Christian U.; M.S., *ibid*; Ph.D., U. of Texas at Austin.**Darrin J. Bellert, Ph.D., Associate Professor of Chemistry. (2003)**

B.S., Wright State U.; Ph.D., U. of Florida.

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B.S.EE, U. of Arkansas; M.A.Ed., Chapman University; Ph.D., U. of North Texas.

James M. Bennighof, Ph.D., Professor of Music Theory and Vice Provost for Academic Affairs and Policy. (1984)B.M., U. of Richmond; M.A., U. of Iowa; Ph.D., *ibid*.**Nicholas F. Benson, Ph.D., Associate Professor of Educational Psychology. (2015)**B.A., Moorhead State U.; M.S., Illinois State U.; Ed.S., U. of Florida; Ph.D., *ibid*.**Mary Lauren Benton, Ph.D., Assistant Professor of Computer Science. (2020)**B.S., Baylor U.; M.S., Vanderbilt U.; Ph.D., *ibid*.**Eileen M. Bentsen, M.L.S., Associate Librarian and References Librarian. (2006)**B.A., C.W. Post College; M.L.S., Long Island U.; M.A., New York U.; M.Phil., *ibid*.**Daniel Benyousky, Ph.D., Director of Major Fellowships and Awards. (2017)**

B.A., Grace College; M.A., Wheaton College; M.A., Durham U.; Ph.D., Baylor U.

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- Enrique "Erik" Blair, Ph.D., Assistant Professor of Electrical and Computer Engineering. (2015)**
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- Tricia D. Blalock, PT, DPT, MPH, CLT, Clinical Associate Professor of Health, Human Performance, and Recreation and Director of Health Science Studies. (2017)**
B.S., U. of N. Texas; B.S., U. of Texas SW Med Ctr.; MPH, Texas A&M U.; DPT., AT., Still U.
- Paul Blanchet, Ph.D., Associate Professor of Communication Sciences and Disorders. (2012)**
B.A., State U. of New York, Fredonia; M.S., Northeast Louisiana U.; Ph.D., Louisiana State U.
- Brooke E. Blevins, Ph.D., Assistant Professor of Curriculum and Instruction. (2011)**
B.A., Trinity U.; M.A., *ibid*.; Ph.D., U. of Texas.
- Steve Block, Ph.D., Senior Lecturer in Political Science. (2013)**
B.S., North Carolina State U.; M.A., Baylor U.; Ph.D., *ibid*.
- Maria L. Boccia, Ph.D., Professor in Child and Family Studies and Graduate Program Director. (2015)**
B.A., State U. of New York, Geneseo; M.A., Denver Seminary; M.S., U. of Massachusetts, Amherst; Ph.D. *ibid*.
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- Bradley C. Bolen, D.M.A., Senior Lecturer in Piano. (2000)**
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- William A. Booth, Ph.D., Senior Lecturer in Computer Science. (1999)**
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- Kathy Boozer, D.N.P., Clinical Assistant Professor of Nursing. (2018)**
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- Jennifer H. Borderud, M.S.I.S., Access and Outreach Librarian and Associate Director of Armstrong Browning Library. (2006)**
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B.S. Virginia Polytech Institute; J.D., Baylor U.
- Maria Elena Bottazzi, Ph.D., Distinguished Professor of Biology. (2015)**
Licenciatura, U. Nacional Autonomia de Honduras; Ph.D., U. of Florida.
- Rodney G. Bowden, Ph.D., Dean and the Brown Chair and Professor, College of Health and Human Sciences. (2000)**
B.S., Sam Houston State U.; M.S., Texas A&M U.; Ph.D., *ibid*.
- C. Randall Bradley, D.M.A., The Ben H. Williams Professor of Music, Director of Center for Christian Music Studies and the Church Music Program. (2000)**
B.M.E., Troy State U.; M.M., Southwestern Baptist Theological Seminary; D.M.A., *ibid*.
- Dora Bradley, Ph.D., Clinical Associate Professor of Nursing and Associate Dean for Strategic Initiatives and Innovation**
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 and holder of the E.M. and Thelma Stevens Chair of Private Enterprise and Entrepreneurship. (2007)**
B.S. U. of Texas; M.E., Texas A.&M. U.; Ph.D., Indiana U.
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B.S.N., Truman State U.; M.S.N., Texas Tech U. Health Science Ctr.
- Susan P. Bratton, Ph.D., Professor of Environmental Science. (2001)**
A.B., Columbia U.; M.A., Fuller Seminary; Ph.D., Cornell U.; Ph.D., U. of Texas, Dallas.

- M. Cristian Bratu, Ph.D., Associate Chair, Associate Professor of French and Division Director of French and Italian. (2007)**
B.A., Babes-Bolyai U.; M.A., D.E.A., U. Lumiere Lyon 2; Ph.D., New York U.
- Mackenzie B. Brewer, Ph.D., Assistant Professor of Sociology. (2018)**
B.A., Baylor U.; M.A., Rice U.; Ph.D., *ibid.*
- David Bridge, Ph.D., Associate Professor of Political Science and Undergraduate Program Director. (2010)**
B.A., Baylor U.; M.A., U. of Southern California; Ph.D., *ibid.*
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B.S., U. of Mississippi; M.S., *ibid.*; Ph.D., U. of North Texas.
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B.S.B.A., Auburn U.; M.Ac., *ibid.*; Ph.D., Virginia Polytechnic Institute and State U.
- Michelle R. Brown, M.A., Senior Lecturer of Interior Design. (2002)**
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B.A., Baylor; M.A., *ibid.*; Ph.D., Texas A&M U.
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B.S., U. of Louisiana, Monroe; M.S., Louisiana Tech. U.; Ph.D., Texas Woman's U.
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B.B.A., Baylor U.; M.S., *ibid.*; Ph.D., U. of Texas.
- Lt Col Paul Bryant, M.S., Professor and Chair of Aerospace Studies. (2019)**
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- Tamara J. Lawrence, Ph.D., Senior Lecturer in Psychology and Neuroscience. (1998)**
B.A. Humboldt State U.; M.A., *ibid.*, Ph.D., U. of Louisville.
- Karon N. LeCompte, Ph.D., Associate Professor of Curriculum and Instruction and Faculty-in-Residence of Allen and Dawson Halls. (2010)**
B.S., Sam Houston State U.; M.A., *ibid.*; Ph.D., U. of Texas.
- Jeonghun (John) Lee, Ph.D., Assistant Professor of Mathematics. (2018)**
B.S., Seoul National U.; M.S., *ibid.*; Ph.D., U. of Minnesota.
- Kwang Y. Lee, Ph.D., Professor and Chair of Electrical and Computer Engineering. (2007)**
B.S. Seoul National U.; M.S., North Dakota State U.; Ph.D., Michigan State U.
- Min K. Lee, Ph.D., Assistant Professor of Management. (2020)**
B.A., Kangwon National U.; M.S., Clemson U.; Ph.D., *ibid.*
- Myeongwoo Lee, Ph.D., Associate Professor of Biology. (2002)**
B.S., Sung Kyun U.; M.S., Illinois State U.; Ph.D., *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., U. of Texas, Austin; M.B.A., *ibid.*; Ph.D., *ibid.*
- Brianna P. Lemmons, Ph.D., Assistant Professor of Social Work. (2018)**
B.A., Spelman College; M.S.W., Howard Univ.; Ph.D., *ibid.*
- Karen E. Leskoven, M.B.A., Senior Lecturer in Information Systems. (2010)**
B.B.A., Baylor U.; M.B.A., *ibid.*

†Lecturer

- Vincent W. Leung, Ph.D., Associate Professor of Electrical and Computer Engineering. (2020)**
Eng. Hons., McGill U. (Montreal, Canada); M. Eng. EE, *ibid.*; Ph.D.; U. of California, San Diego.
- Brian C. Leutholtz, Ph.D., FACS, Professor of Health, Human Performance and Recreation. (2002-2003, 2003)**
B.S., Michigan State U.; M.A., *ibid.*; Ph.D., *ibid.*
- Marie N. Level, M.A., Senior Lecturer in French. (1990)**
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.
- Joseph Li, M.M., Assistant Professor of Vocal Coaching. (2016)**
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.
- Yang Li, Ph.D., Assistant Professor of Environmental Science. (2021)**
M.S., Peking U.; Ph.D., U. of Michigan.
- Christine C. Limbers, Ph.D., Associate Professor of Psychology and Neuroscience and Graduate Program Director of Clinical Psychology. (2010)**
B.A., Santa Clara U., Ph.D., Texas A&M U.
- Brian Lindley, Ph.D., Assistant Professor of Chemistry. (2019)**
B.S., U. of Rochester; Ph.D., Cornell U.
- Marie Lindley, Ph.D., Clinical Associate Professor of Nursing. (2016)**
B.S., William Peterson U.; M.S., Columbia U.; Ph.D., U. of Texas, Arlington.
- Tyrha M. Lindsey-Warren, Ph.D., Clinical Assistant Professor of Marketing. (2017)**
B.S. Northwestern U.; M.B.A., The Claremont Graduate School; Ph.D., Rutgers U.
- Yue (Stanley) Ling, Ph.D., Assistant Professor of Mechanical Engineering. (2017)**
B.S., Beijing U. of Aero. & Astro.; Ph.D., U. of Florida.
- Lance L. Littlejohn, Ph.D., Professor of Mathematics. (2007)**
B.S.C., U. of Western Ontario; M.A., *ibid.*; Ph.D., Pennsylvania State U.
- Diane Loeb, Ph.D., Professor and Martin Family Endowed Chair of Communication Sciences and Disorders. (2017)**
B.S., U. of Nevada-Reno; M.S., *ibid.*; Ph.D., Purdue U.
- B. Michael Long, Ph.D., Professor of Russian, Chair of Modern Languages and Cultures, and Advisor for Slavic and East European Studies Program. (1988-1995[†], 1995)**
B.A., Baylor U.; M.A., Indiana U.; Ph.D., *ibid.*
- J. Mark Long, Ph.D., Associate Professor in the Baylor Interdisciplinary Core in the Honors College. (2001)**
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.
- Karen I. Lopez-Alonzo, Ph.D., Assistant Professor of Spanish. (2016)**
B.A., Universidad Internacional para la Integracion de la America Latina; M.A., Arizona State U.; M.A., The Ohio State U., Ph.D., *ibid.*
- Whitney S. Luce, M.S.W., Senior Lecturer in Social Work and Director of Field Education. (2014)**
B.A., Baylor U.; M.S.W., *ibid.*
- Joquin N. Lugo, Ph.D., Associate Professor of Psychology and Neuroscience and Director of Graduate Program in Psychology. (2010)**
B.S., Baylor U.; Ph.D., U. of South Carolina, Columbia.

[†]Lecturer

Lewis S. Lummer, Ed.D., Senior Lecturer in Deaf Education and American Sign Language in Communication Sciences and Disorders. (2010)

B.A., Gallaudet U.; M.S., Lamar U.; Ed.D., Northern Illinois U.

J. Larry Lyon, Ph.D., Professor of Sociology, Dean of the Graduate School and Vice Provost for Institutional Effectiveness. (1976)

B.A., Baylor U.; M.A., U. of Houston; Ph.D., U. of Texas.

Jason E. MacGregor, Ph.D., Associate Professor of Accounting and holder of the Roderick L. Holmes Chair of Accountancy. (2007)

B.Comm., U. of Windsor; Ph.D., U. of Florida.

Antonio J. Macias, Ph.D., Associate Professor of Finance. (2014)

B.Sc., Monterrey Institute of Technology; M.Sc., Stanford U.; Ph.D., Purdue U.

Elissa E. Madden, Ph.D., Associate Professor in Social Work. (2016)

B.A., Baylor U.; M.S.W., *ibid*; Ph.D., U. of Texas

Amy Maddox, Ph.D., Senior Lecturer in Statistical Science. (1998-2000, 2002)

B.S., Southwest Texas State U.; M.S., Baylor U.; Ph.D., *ibid*.

Kevin Magil, I, Ph.D., Assistant Professor for Curriculum and Instruction. (2017)

B.A. and M.P.A., California State U.; M.A., U. of California; Ph.D., U. of Texas at Austin.

Kristen Mainor, Ed.S., Assistant Clinical Professor for Educational Psychology. (2017)

B.A., U. of Texas at Austin; Ed.S., Baylor U.

Marshall Magnusen, Ph.D., Assistant Professor of Educational Leadership. (2011)

B.S. Wheaton College; M.S., Texas Christian U.; Ph.D., Florida State U.

Karenn F. Malavanti, Ph.D., Senior Lecturer in Psychology and Neuroscience. (2017)

B.S., Baylor U.; M.A., *ibid*, Ph.D., *ibid*.

Stephanie M. Mangus, Ph.D., Assistant Professor of Marketing. (2018)

B.A., Ohio Northern U.; M.B.A., U. of Cincinnati; Ph.D., Louisiana State U. Baton Rouge.

Pamela S. Manhart, Ph.D., Assistant Professor of Management, (2018)

B.S., U. of Northern Iowa; M.B.A., Iowa State U.; Ph.D., *ibid*.

Carlos E. Manzanares, Ph.D., Professor of Chemistry. (1988)

B.S., Universidad Central de Venezuela; Ph.D., Indiana U.

Deborah Manzanares, M.A., Senior Lecturer in Spanish. (2006)

B.A., Ball State U.; M.A., Indiana U.

Heidi Marcum, Ph.D., Senior Lecturer in Environmental Science. (1990)

B.S., Tarleton State U.; M.S., Baylor U.; Ph.D., Texas A&M U.

James A. Marcum, Ph.D., Professor of Philosophy and Medical Humanities. (2001)

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.

Brian R. Marks, D.M.A., Associate Professor of Piano and Director of Keyboard Studies Division. (1991-2000[†], 2000)

B.M., U. of Denver; M.M., U. of Texas; D.M.A., *ibid*.

Robert J. Marks II, Ph.D., Distinguished Professor of Electrical and Computer Engineering. (2003)

B.S., Rose-Hulman Institute of Technology; M.S., *ibid*; Ph.D., Texas Tech U.

John-Michael Marrs, M.F.A., Associate Professor of Theatre Arts. (2014)

B.A., Baylor U.; M.F.A., U. of Alabama.

Jeannette M. Marsh, Ph.D., Associate Professor of English and Coordinator of the Language and Linguistics Program. (1999)

B.A., Middlebury College; M.A., U. of Chicago; Ph.D., *ibid*.

Paul Martens, Ph.D., Associate Professor of Religion and Director of the Interdisciplinary Programs, College of Arts & Sciences, Affiliated Faculty, Program in Medical Humanities. (2006)

B.A., Providence College; M.C.S., Regents College; Th.M., *ibid*; Ph.D. U. of Notre Dame.

Caleb D. Martin, Ph.D., Assistant Professor of Chemistry. (2013)

B.S., Mount Allison U.; Ph.D., U. of Western Ontario.

Eric C. Martin, Ph.D., Associate Professor of History and Philosophy of Science in the Honors College, Assistant Director of the University Scholars Program in the Honors College, and Affiliated Faculty, Program in Medical Humanities. (2013)

B.A., The Colorado College; M.A., U. of California, San Diego; Ph.D., *ibid*.

[†]Lecturer

- Janya H. Martin, Ph.D., Associate Professor of German. (1964-1965, 1967)**
B.A., Baylor U.; Ph.D., U. of Texas.
- Briana M. Martinez, Ph.D.; Assistant Professor in Apparel Design and Merchandising. (2018)**
B.S., Clemson U.; M.S., U. of Georgia; Ph.D., *ibid.*
- Andrei Martinez-Finkelshtein, Ph.D., Professor of Mathematics. (2018)**
Ph.D., Moscow State U.
- Paul D. Mason, Ph.D., Assistant Professor of Accounting. (2015)**
B.B.A., Texas A&M U.; M.S., *ibid.*; Ph.D., U. of Texas at Dallas.
- Cole W. Matson, Ph.D., Associate Professor of Environmental Science. (2011)**
B.S., Texas A&M U.; M.S., Texas Tech U., Ph.D., Texas A&M U.
- Lorin S. Matthews, Ph.D., Professor of Physics and Associate Director of CASPER. (2000-2006[†])**
B. S., Baylor U.; Ph.D., *ibid.*
- Walter M. Matthews, M.D., Clinical Professor in the Honors Program (2020).**
B.A., Baylor U.; M.S., The National War College; M.D., Baylor College of Medicine at Houston.
- Peter M. Maurer, Ph.D., Professor of Computer Science. (2002)**
B.A., St. Benedict's College; M.S., Iowa State U.; Ph.D., *ibid.*
- Horace Maxile, Ph.D., Associate Professor of Music Theory. (2012)**
B.A., Louisiana Tech U.; M.M., Southeastern Louisiana U.; Ph.D., Louisiana State U.
- Sergio Mayorga, Ph.D., Post-Doctoral Fellow of Mathematics. (2019)**
B.Sc., Universidad de Antioquia; Ph.D., Georgia Institute of Technology.
- Louis M. Mazé, M.A., Senior Lecturer in Spanish. (2011)**
B.A., U. of Maryland; M.A., U. of Texas at Austin; M.A., Baylor U.
- Sandeep Mazumder, Ph.D., Professor of Economics and The William E. Crenshaw Endowed Dean of the Hankamer School of Business. (2021)**
B.A., University of Cambridge; M.A., *ibid.*; M.A., Johns Hopkins University; Ph.D., *ibid.*
- Lesley McAllister, D.M.A., Professor of Piano and Director of Piano Pedagogy. (2005-2006[†], 2006)**
B.M., U. of Houston; M.M., Florida State U.; D.M.A., U. of Oklahoma.
- Scott McAllister, D.M.A., Professor of Composition and Director of Academic Studies Division. (2001)**
B.M., Florida State U.; M.M., Rice U.; D.M.A., *ibid.*
- Nicole M. McAninch, Ph.D., Clinical Associate Professor in Child and Family Studies. (2009)**
B.S.W., Baylor U.; M.S.W., *ibid.*; Ph.D., Texas Woman's U.
- Madelon McCall, Ed.D., Clinical Assistant Professor in Curriculum and Instruction. (2011)**
B.S., Lamar U.; M.S., Baylor U.; Ed.D., *ibid.*
- Stephen T. McClain, Ph.D., Professor of Mechanical Engineering. (2007)**
B.S., U. of Memphis; M.S., Mississippi State U.; Ph.D., *ibid.*
- P. Blaine McCormick, Ph.D., Associate Professor of Management. (1998-99[†], 1999)**
B.B.A., Abilene Christian U.; M.S., Texas A&M U.; Ph.D., *ibid.*
- Kimberly H. McCray, Ph.D., Lecturer in Museum Studies and Graduate Program Director. (2016)**
B.A., Saint Michael's College; M.A.L.S., Georgetown U.; Ph.D., Lesley U.
- Charles A. McDaniel, Ph.D., Associate Professor in Baylor Interdisciplinary Core and Church-State Studies, and Faculty Assistant Director in the Honors Program. (2002-2008[†], 2008)**
B.B.A., Baylor U.; M.A., U. of Missouri, Kansas City; Ph.D., Baylor U.
- Jeremy S. McElroy, M.S., Senior Lecturer in Information Systems (2011)**
B.A., Texas Tech U.; M.S., Naval Postgraduate School
- Jocelyn S. McGee, Ph.D., Assistant Professor. (2018)**
B.A., Baylor U.; M.S., *ibid.*; M.A., Fuller Theological Seminary; Ph.D., *ibid.*
- Ann McGlashan, Ph.D., Associate Professor of German. (1990-1996[†]; 1996)**
B.A., Hull U.; M.A., Lancaster U.; Ph.D., Indiana U., Bloomington.
- Thomas D. McGrath, Ph.D., Senior Lecturer in Chemistry and Undergraduate Program Director. (2006)**
B.S., U. of Edinburgh; Ph.D., *ibid.*
- Timothy R. McKinney, Ph.D., Professor of Music Theory and Associate Dean for Graduate Studies. (2002)**
B.S., William Jewell College; M.M., Southwestern Baptist Theological Seminary; Ph.D., U. of North Texas.

[†]Lecturer

- Michael K. McLendon, Ph.D., Professor of Higher Education Policy and Leadership. (2015)**
B.A., Baylor U.; M.S., Florida State; Ph.D., U. of Michigan
- Kelli McMahan, Ph.D., Associate Clinical Professor of Health, Human Performance and Recreation. (2001)**
B.S., Baylor U.; M.S., Oklahoma State U., Stillwater; Ph.D., Texas A&M U.
- Ryan A. McManamay, Ph.D., Assistant Professor of Environmental Science. (2019)**
B.S., Clemson U.; M.S., Virginia Polytech; Ph.D., *ibid.*
- Linda M. McManness, Ph.D., Professor of Spanish and Advisor for the World Affairs Minor. (1990)**
B.A., Southwest Baptist U.; M.A., U. of Washington; Ph.D., *ibid.*
- Mandy E. McMichael, Ph.D., Assistant Professor of Religion, Associate Director of Ministry Guidance, and Holder of the J.David Slover Professorship of Ministry Guidance. (2017)**
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[†]), (2010)**
B.A., Baylor U.; M.A., *ibid.*; Ph.D., U. of Texas.
- Jonathan R. Meddaugh, Ph.D., Assistant Professor of Mathematics. (2017)**
Ph.D., Tulane U.
- Jessica Padron Meehan, Ed.D., Lecturer in Curriculum and Instruction (2019)**
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.
- Tao Mei, Ph.D., Professor in Mathematics. (2015)**
Ph.D., Texas A&M U.
- Karen Melton, Ph.D., Associate Professor in Child and Family Studies. (2016)**
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.*
- Kimberly D. Mencken, M.S., Senior Lecturer in Economics and Director of the Center for Private Enterprise. (2002)**
B.S., Louisiana State U.; M.S., *ibid.*
- Rebecca Meraz, Ph.D., Assistant Professor of Nursing. (2014-2015[†]; 2015-2018; 2018)**
B.S.N., Baylor U.; M.S.N., *ibid.*
- Andrew R. Meyer, Ph.D., Associate Professor of Health, Human Performance, and Recreation. (2010)**
B.S., Bridgegewater State College; M.A., U. of Montana; Ph.D., U. of Illinois Urbana-Champaign.
- Christopher Meyer, Ph.D., Associate Professor of Management. (2005)**
B.B.A., Northwood U.; Ph.D., Michigan State U.
- Dawn M. Michaelson, Ph.D., Assistant Professor in Apparel Design and Merchandising. (2019)**
B.A., California State U.; M.S., Auburn U.; Ph.D., *ibid.*
- Renee Michalski, Ph.D., Senior Lecturer in Psychology and Neuroscience. (2001)**
B.S., U. of Houston; M.S.Ed., Baylor U.; Ph.D., *ibid.*
- Jonathan P. Miles, Ph.D., Lecturer in Biology. (2011)**
Ph.D., Baylor U.
- Jana K. Millar, Ph.D., Senior Lecturer in Music Theory. (1986)**
B.M., Baylor U.; M.M., U. of North Texas; Ph.D., *ibid.*
- Melanie I. Millar, Ph.D., Assistant Professor of Accounting. (2016)**
B.B.A., College of William and Mary; Ph.D., Emory U.
- Gabrielle K. Miller, Ph.D., Assistant Professor of Spanish. (2016)**
B.A., U. Notre Dame; M.A., U. Virginia; Ph.D., *ibid.*
- Glenn A. Miller, Ph.D., Professor of Health, Human Performance and Recreation. (1994)**
B.S., West Chester State College; M.Ed., U. of Pittsburgh; Ph.D., U. of New Mexico.
- Jung-Hyun Min, Ph.D., Associate Professor of Chemistry & Biochemistry. (2018)**
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.*
- Ann M. Mirabito, Ph.D., Associate Professor of Marketing. (2007)**
B.A., Duke U.; M.B.A., Stanford U.; Ph.D., Texas A&M U.

[†]Lecturer

- Dorina I. Mitrea, Ph.D., Chair and Professor of Mathematics. (2019)**
B.S., U. of Bucharest; Ph.D., U. of Minnesota.
- Marius Mitrea, Ph.D., Professor of Mathematics. (2019)**
B.S., U. of Bucharest; Ph.D., U. of Minnesota.
- Steven Moates, SLP.D., Online Clinical Outreach Director in Communication Sciences and Disorders. (2019)**
B.A., Auburn U. at Montgomery; M.S., U. of Montevallo; SLP.D., Nova Southeastern U.
- Marcie H. Moehnke, Ph.D., Associate Dean for Undergraduate Studies, Sciences and Senior Lecturer in Biology. (2005)**
B.S., Texas Lutheran U.; M.S., Baylor U.; Ph.D., *ibid.*
- Maria Monteiro, M.M., Lecturer in Church Music (2020)**
B.M., Baylor University; M.M., *ibid.*
- David Montgomery, D.M.A., Associate Professor. (2018)**
B.M.E., U. of North Carolina-Greensboro; M.M., Kansas State U.; D.M.A., U. of South Carolina
- Kimberly Monzón, D.M.A., Associate Professor of Voice. (2019)**
B.M., U. of Missouri-KC; M.M., U. of Houston; D.M.A., Ohio State U.
- Mia Moody-Ramirez, Ph.D., Professor and Chair of Journalism, Public Relations and New Media. (2002)**
B.A., Texas A&M U.; M.S.Ed., Baylor U.; M.A., *ibid.*; Ph.D., U. of Texas.
- Sung Seek Moon, Ph.D., Professor of Social Work and the Carl and Martha Linder Endowed Chair for Global Studies. (2019)**
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.
- D. Maverick Moore, M.A., Senior Lecturer in Film and Digital Media. (2016)**
B.A., Texas A&M U.; M.A., Baylor U.
- Scott H. Moore, Ph.D., Associate Professor of Philosophy and Great Texts in the Honors College and Associate Director of the University Scholars Program in the Honors College. (1995-1997; 1997)**
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.
- Grant B. Morgan, Ph.D., Associate Professor of Educational Psychology. (2012)**
B.S., Clemson; M.S., Western Carolina U.; Ph.D., U. of South Carolina.
- Ronald B. Morgan, Ph.D., Professor and Associate Chair of Mathematics. (1992)**
B.S., Furman U.; Ph.D., U. of Texas.
- Kristy Morrell, D.M.A., Associate Professor of Horn. (2020)**
B.M., Eastman School of Music; M.M., U. of Southern California; D.M.A., *ibid.*
- Michael D. Morrison, J.D., Professor and the William J. Boswell Professor of Law. (1977)**
B.A. U. of Oklahoma; J.D., *ibid.*
- David Moseman, Ph.D., Senior Lecturer in Religion. (2007)**
B.A., U. of Georgia; M.Div., Southern Baptist Theological Seminary; Ph.D., Baylor U.
- Sarah Mosher, M.F.A., Assistant Professor of Theater Arts. (2019)**
B.A., Seattle-Pacific U.; M.F.A., U. of Texas.
- Michael J. Mowchan, Ph.D., Assistant Professor of Accounting. (2019)**
B.S., Indiana U. Bloomington; M.B.A., *ibid.*; Ph.D., Arizona State U.
- Michael P. Muehlenbein, Ph.D., Professor and Chair of Graduate Program Directory, Anthropology and Graduate Program Directory, Affiliated Faculty, Program in Medical Humanities and Department of Biology. (2017)**
B.A., Northwestern U.; M.S.P.H., Tulane U.; M. Phil., Yale; Ph.D., *ibid.*
- Kristen Muller, Ph.D. Assistant Professor in Communication Sciences and Disorders. (2019)**
B.S., U. of Arkansas; M.A., U. of Kansas, Ph.D. *ibid.*
- Alice M. Muncy, Ph.D., Assistant Professor of Accounting. (2020)**
B.B.A., Valdosta State U.; MAcc, *ibid.*; Ph.D., Georgia State U.
- K. Sarah-Jane Murray, Ph.D., Associate Professor of Great Texts and Creative Writing in the Honors College. (2003)**
B.A., Auburn U.; M.A., Princeton U.; Ph.D., *ibid.*
- William P. Murray, Postdoctoral Fellow in English. (2019)**
B.A., U. of Mississippi; M.A., College of Charleston; Ph.D., U. of Alabama.
- Dennis R. Myers, Ph.D., Professor of Social Work and The Danny and Lenn Prince Endowed Professor for the Residential Care of Older Adults. (1981)**
B.A., Baylor U.; M.S.S.W., U. of Texas; Ph.D., *ibid.*

Lois E. Myers, M.A., Senior Lecturer and Associate Director of the Institute for Oral History. (1989)

B.A., Baylor U.; M.A., *ibid.*

Melissa M. Neathery, Ph.D., Clinical Associate Professor of Nursing. (2007-2015[†], 2015)

B.S.N., Baylor U.; M.S.N., U. of Texas, Arlington; Ph.D., U. of Texas at Tyler

Marlene S. Neill, Ph.D., Associate Professor of Journalism, Public Relations and New Media. (2013)

B.S., U. of Kansas; M.A., U. of Missouri, Columbia; Ph.D., U. of Texas at Austin.

Suzanne M. Nesmith, Ph.D., Associate Professor of Curriculum and Instruction and Associate Dean of Undergraduate Education. (2009)

B.S., Texas A&M U.; M.Ed., Wayland Baptist U.; Ph.D., Texas Tech U.

Mitchell J. Neubert, Ph.D., Professor of Management, holder of the Hazel and Harry Chavanne Chair of Christian Ethics in Business and Associate Dean for Research and Faculty Development. (2002)

B.S., U. of Minnesota; M.B.A., U. of North Dakota and Kansas State U.; Ph.D., U. of Iowa.

Byron P. Newberry, Ph.D., Professor of Mechanical Engineering. (1994)

B.S., U. of Alabama; M.S., Iowa State U.; Ph.D., *ibid.*

Desi Newberry, D.N.P., Clinical Associate Professor of Nursing. (2020)

B.S.N., Michigan State U.; M.S.N., U. of North Carolina; D.N.P., Duke U.

Angelina Nguyen, Ph.D., Assistant Professor in Nursing. (2019)

B.S.N., U. of Louisiana at Monroe; M.S.N., U. of Nevada, Las Vegas; Ph.D., *ibid.*

Curt Nichols, Ph.D., Associate Professor of Political Science. (2010)

B.S., West Point Academy; M.A., Georgia State U.; Ph.D., U. of Texas, Austin.

T. Philip Nichols, Ph.D., Assistant Professor in Curriculum and Instruction. (2018)

B.A., Gordon College; M.A. Ed., Arcadia U.; M.A., U. of Pennsylvania; Ph.D., *ibid.*

Melinda E. Nielsen, Ph.D., Associate Professor of Classical Literature in the Honors College. (2013)

B.A., Hillsdale College; M.A., U. of Notre Dame; Ph.D., *ibid.*

Boris N. Nikolaev, Ph.D., Assistant Professor of Entrepreneurship. (2018)

B.A., Oxford College Emory U.; M.A., U. of South Florida; Ph.D., *ibid.*

Daniel J. Nodes, Ph.D., Professor of Classics. (2012)

B.A., St. Peter's College; M.A., U. of New Hampshire; Ph.D., U. of Toronto.

James Nogalski, Ph.D., Professor of Religion and Graduate Program Director. (2007)

B.A., Samford U.; M.Div., Southern Baptist Theological Seminary; Th.M., International Baptist Theological Seminary in Rüschlikon; 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.*

Amanda K. Norman, M.S.I.S., Assistant Librarian and University Archivist. (2012)

B.A., Trinity U.; M.A., Baylor U.; M.S.I.S., U. of Texas, Austin.

Patricia M. Norman, Ph.D., Associate Professor of Entrepreneurship. (1997)

B.A., U. of Pennsylvania; M.S., Air Force Institute of Technology; Ph.D., U. of North Carolina.

Bradley R. Norris, M.S.M., Senior Lecturer in Entrepreneurship and Coordinator of the Technology Entrepreneurship Initiative. (2004)

B.A. Indiana U.; M.S.M., Purdue U.

Charles M. North, Ph.D., Associate Professor and Associate Director of the Baylor Business Fellows. (1998)

B.A., Baylor U.; M.B.A., *ibid.*; J.D., Duke U. School of Law; M.S., U. of Texas; Ph.D., *ibid.*

Ivo Novakovic, Ph.D., Senior Lecturer in Baylor Interdisciplinary Core in the Honors College. (2012)

A.B., U. of Zagreb; B.D., Baptist Theological Seminary, Rüschlikon, Switzerland; Ph.D., Princeton Theological Seminary.

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B.S., U. of Belgrade; B.D., Baptist Theological Seminary Rüschlikon; Th.M., *ibid.*; Ph.D., Princeton Theological Seminary.

J. Wesley Null, Ph.D., Professor of Curriculum and Foundations of Education and Vice Provost for Undergraduate Education. (2001)

B.S.Ed., Eastern New Mexico U.; M.Ed., *ibid.*; Ph.D., U. of Texas.

[†]Lecturer

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B.S., Stephen F. Austin State U.; M.S., *ibid.*; Ph.D., Texas Woman's U.
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B.M., Stephen F. Austin State U.; M.M., Baylor U.; D.M.A., Michigan State U.
- Justina Ogodo, Ph.D., Assistant Professor of Curriculum and Instruction (2019)**
Ph.D. University of Alabama
- Emeka Okafor, Ph.D., M.P.H. Assistant Professor of Epidemiology. (2019)**
B.S. University of Lagos; M.P.H. University of North Florida; Ph.D. University of Florida.
- Beatrice N. Okelo, M.A., Lecturer in Swahili. (2016)**
B.Ed., Kenyatta U.; M.A., U. of Wisconsin.
- Jeffrey S. Olafsen, Ph.D., Associate Professor of Physics and Undergraduate Program Director. (2006)**
B.S., U. of Southern Mississippi; M.A., Duke U.; Ph.D., *ibid.*
- Linda J. Olafsen, Ph.D., Associate Professor of Electrical and Computer Engineering. (2015)**
A.B., Princeton U.; M.A., Duke U.; Ph.D., *ibid.*
- Christine Oliver, M.S.N., Clinical Instructor of Nursing. (2020)**
B.S.N., U. of Texas at Arlington; M.S.N., *ibid.*
- Mark A. Olsen, M.F.A., Lecturer in English. (2020)**
B.A., Baylor U.; M.F.A., Western Colorado U.
- Dennis O'Neal, Ph.D., Professor of Mechanical Engineer and Dean of the School of Engineering and Computer Science. (2012)**
B.S., Texas A&M U.; M.S., Oklahoma State U.; Ph.D., Purdue U., West Lafayette.
- Jasmine J. Opusunju, Dr. PH, MSED, Clinical Assistant Professor and Director of MPH @ Baylor Online. (2018)**
B.S.Ed., Baylor U.; M.S.Ed., Baylor U.; Dr. PH, U.T. Health Science Center Houston
- Marian M. Ortuno, Ph.D., Associate Professor of Spanish. (1986)**
B.A., Queens College, City of New York; M.A., U. of Michigan; Ph.D., *ibid.*
- Kathryn A. Osteen, Ph.D., Clinical Associate Professor of Nursing. (2008-2015[†], 2015)**
B.S.N., Baylor U.; M.S.N., *ibid.*; Ph.D., U. of Texas-Arlington.
- Sandor Ostlund, D.M.A., Associate Professor of Double Bass and Coordinator of Strings. (2007)**
B.A., U. of Wisconsin, Madison; M.M., Rice U.; D.M.A., *ibid.*
- Ashley S. Otto, Ph.D., Assistant Professor of Marketing. (2016)**
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B.A., Western Kentucky U.; B.A., *ibid.*; M.A., U. of Kentucky, Lexington; M.A., *ibid.*; Ph.D., Indiana U., Bloomington; Ph.D. *ibid.*
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- Holly K. Oxhandler, Ph.D., Associate Professor of Social Work and Associate Dean for Research and Faculty Development. (2014)**
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B.S., Pennsylvania State University; M.S., Villanova University; Ph.D., Drexel University
- Leslie E. Palich, Ph.D., Professor of Management and holder of The Mrs. W.A. (Agnes) Mays Professorship of Entrepreneurship. (1991)**
B.A., Manhattan Christian College; M.B.A., Arizona State U.; Ph.D., *ibid.*
- Meredith H. Palm, Ph.D., Lecturer in Psychology and Neuroscience. (2020)**
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B.S. University of Wisconsin; M.P.H. University of Minnesota; Ph.D. University of Wisconsin.
- Mojgan Parizi-Robinson, Ph.D., Lecturer in Biology. (2011)**
B.S., U. of Oklahoma; M.S., *ibid.*; Ph.D., *ibid.*
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B.M., West Virginia U., M.M., U. of Cincinnati, College-Conservatory of Music; D.M.A., U. of Illinois at Urbana-Champaign.

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B.S., Lee University; M.S.S.W., U. of Louisville; D.S.W., U. of St. Catherine and U. of St. Thomas
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B.S., Baylor U.; M.S., Southern Methodist U.
- J. Franklin Potts, Ph.D., Associate Professor of Finance. (1968)**
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B.A., Abilene Christian U.; M.F.A., U. of North Carolina, Chapel Hill.
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B.S., U. of Western Ohio; Ph.D., U. of British Columbia; Ph.D., U. of Pittsburgh.

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A.B., Cornell U.; Ph.D., U. of California, Berkeley.

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B.A., Hendrix College; M.S., U. of Missouri, Rolla; D.Phil., U. of Oxford.

Reagan M. Ramsower, Ph.D., Professor of Information Systems. (1975-1978[†]; 1978)B.B.A., Baylor U.; M.S., *ibid.*; Ph.D., U. of Minnesota.**Adam Redmer, M.F.A., Senior Lecturer in Theatre Arts. (2006)**

B.F.A., Sam Houston State U.; M.F.A., U. of Arizona.

David S. Reid, J.D., Clinical Assistant Professor of Business Law. (2018)

B.S., U. of Nevada Las Vegas; J.D., U. of Arizona.

Pedro M. Reyes, Ph.D., Associate Professor of Management. (2003)B.S., U. of Texas, Arlington; M.B.A., *ibid.*; M.S., *ibid.*; Ph.D., *ibid.***Austin W. Reynolds, Ph.D., Assistant Professor of Anthropology. (2020)**

B.A., Indiana U.; Ph.D., U. of Texas at Austin.

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B.A., Baylor U.; M.B.A., Indiana U.; Ph.D., U. of Houston.

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B.A., Hardin-Simmons U.; M.Ed., U. of Louisville; Ed.D., Baylor U.
- Sarah Dorrell Ritter, M.S.W., Lecturer in Social Work and MSW Program Director. (2017)**
B.A., Baylor U.; M.S.W., Temple U.
- Pablo Rivas, Ph.D., Assistant Professor of Computer Science. (2020)**
B.S., Nogales Institute of Technology; M.S., Chihuahua Institute of Technology; M.Div., Baylor U.; Ph.D., U. of Texas at El Paso.
- Paul I. Ro, Professor and Chair of Mechanical Engineering. (2018)**
B.S. U. of Minnesota; M.S. Mass. Institute of Technology (MIT); Ph.D. Mass. Institute of Technology (MIT), *ibid*
- Elesha Roberts, Ph.D., Clinical Assistant Professor of Nursing. (2018)**
B.S.N., U. of the Incarnate Word; M.S.N., *ibid.*; Ph.D., U. of Texas at Arlington
- James A. Roberts, Ph.D., Professor of Marketing and holder of The Ben H. Williams Professorship in Marketing. (1991)**
B.A., College of St. Thomas; M.B.A., St. Cloud State U.; Ph.D., U. of Nebraska, Lincoln.
- Jennifer Robins, Ph.D., Clinical Assistant Professor in Educational Psychology. (2018)**
B.S., Baylor U.; M.S. Ed., *ibid.*; Ph.D., *ibid.*
- Eric L. Robinson, Ph.D., Associate Professor of Educational Psychology. (1997)**
B.S., Appalachian State U.; M.A., U. of South Carolina; Ph.D., U. of Kansas.
- LTC Janine Robinson-Turner, US Army, Professor and Chair of Military Science. (2018)**
B.S.B.A., Robert Morris U.; M.P.A., Troy U.
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B.A., Austin College; M.L.S., U. of North Texas.
- Douglas W. Rogers, Ed.D., Associate Professor of Curriculum and Instruction. (1987)**
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B.A., Baylor U.; M.S.S.W., U. of Louisville; Ph.D., U. of Pittsburgh.
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B.A., Harding U.; M.F.A., U. of North Carolina, Chapel Hill.
- Wade C. Rowatt, Ph.D., Professor of Psychology. (1997†; 1998)**
B.A., William Jewell College; M.A., U. of Louisville; Ph.D., *ibid.*
- Wortley F. “Wiff” Rudd, M.M., Professor of Trumpet and Coordinator of Brass. (2002)**
B.M.E., Baylor U.; M.M., U. of Northern Colorado.
- Winter L. Rusiloski, M.F.A., Assistant Professor of Art. (2016)**
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- Eric C. Rust, Ph.D., Professor of History. (1984)**
B.A., Wilfrid Laurier U.; M.A., Lamar U.; Ph.D., U. of Texas.
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B.A., U. of Iowa; M.P.H., *ibid.*; Ph.D., U. of Florida.
- Anne-Marie Schultz, Ph.D., Professor of Philosophy, Director of the Baylor Interdisciplinary Core in the Honors College, and Master Teacher. (1993)**
B.A., Trinity College; Ph.D., Pennsylvania State U.
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B.A., Baylor U.; M.A., U. of Texas, Arlington; Ph.D., U. of North Texas.
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B.S., Howard Payne U.; M.S., Tarleton State U.; Ph.D., Baylor U.
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B.A., Texas Southern U.; M.Ed., Prairie View A&M U.; Ph.D., U. of North Carolina.
- Rebecca L. Scott, Ph.D., Senior Lecturer in Social Work. (2009)**
B.S., Abilene Christian U.; M.S.W., U. of Washington; Ph.D., Baylor U.
- Michael K. Scullin, Ph.D., Associate Professor of Psychology and Neuroscience. (2015)**
B.S., Furman U.; M.A., Washington U.; Ph.D., *ibid.*
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B.B.A., Baylor U.; M.B.A., Harvard U.
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B.S., Purdue U.; Ph.D., Massachusetts Institute of Technology.
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B.S. Tarleton State U.; Ph.D., Baylor U.
- J. Allen Seward, Ph.D., Associate Professor of Finance, Insurance and Real Estate and Director of the Baylor Business Fellows. (1976)**
B.A., Baylor U.; M.S., *ibid.*; M.A., U. of Pennsylvania; Ph.D., *ibid.*
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B.S., Baylor U.; M.P.H., *ibid.*
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B.S. Ed. and M.S.Ed., Baylor University; Ph.D. University of Texas at Austin
- Ryan M. Sharp, Ph.D., Assistant Professor of English. (2019)**
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- Lisa J. Shaver, Ph.D., Professor of English and Director of Women's and Gender Studies. (2007)**
B.A., Hendrix College; M.A., Kennesaw State U.; Ph.D., Miami U.
- Bryan F. Shaw, Ph.D., Associate Professor of Chemistry. (2010)**
B.S., Washington State U.; Ph.D., U. of California, Los Angeles.
- Rebecca J. Sheesley, Ph.D., Associate Professor of Environmental Science. (2010)**
B.S., Wheaton College; Ph.D., U. of Wisconsin-Madison.
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B.S., Nanyang; M.S., *ibid.*; Ph.D., U. of Cambridge.
- Susan L. Sherman, M.S., Graduate Program Director. (2005)**
B.S., Hardin-Simmons U.; M.S., U. of Wyoming.
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B.A., U. of Notre Dame; M.A., U. of Richmond; Ph.D., U. of Kentucky.

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B.S., Baylor U.; M.D., U. of Texas Southwestern Medical School.

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B.B.A., Baylor U.; M.A., U. of Arkansas, Little Rock.

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B.A., Baylor U.; Ph.D., Duke U.

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B.S., Baylor U.; Ph.D., UT Health Science Center-MD Anderson Cancer Center

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- Mark F. Taylor, Ph.D., Associate Professor of Biology. (1985)**
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- Elon J. Terrell, Ph.D., Senior Lecturer in Mechanical Engineering. (2017)**
B.S., U. of Texas, Austin; M.S., *ibid.*; Ph.D., Carnegie Mellon U.
- Ann M. Theriot, M.A., Clinical Assistant Professor of Interior Design. (2018)**
B.S.F.C.S., Baylor U.; M.A., U. of Buckingham.
- Alexandre Thiltges, Ph.D., Senior Lecturer of French. (2009)**
B.A., Nanterre U., France; M.A., Sorbonne U., France; Ph.D., *ibid.*
- J. Brian Thomas, M.S.E.E., Senior Lecturer in Electrical and Computer Engineering and Faculty-in-Residence in Teal Residential College. (2001)**
B.S., Stephen F. Austin State U.; M.S.E.E., U. of Houston.
- Ronald E. Thomas, Ph.D., Professor of English. (1977)**
B.A., U. of Connecticut; M.A., U. of Michigan; Ph.D., *ibid.*
- Timothy S. Thomasson, M.Tax., Clinical Associate Professor and Graduate Program Director. (2008)**
B.B.A., Baylor U.; M.Tax., *ibid.*
- Michael W. Thompson, Ph.D., Professor of Electrical and Computer Engineering and Associate Dean for Undergraduate Programs. (1999)**
B.S.E.E., Texas A&M U.; M.S.E.E., *ibid.*; Ph.D., *ibid.*
- Margaret S. Thomson, M.Ed., Senior Lecturer in Curriculum and Instruction. (2002)**
B.A., Baylor U.; M.Ed., U. of Houston.
- Capt Carl D. Tidwell III, USAF, Assistant Professor of Aerospace Studies. (2019)**
B.A., U. of Oklahoma.
- Sara Tomek, Ph.D., Associate Professor in the Quantitative Methods program in the Department of Educational Psychology. (2019)**
M.A., University of Illinois at Urbana-Champaign; Ph.D. *ibid.*
- DeAnna M. Toten Beard, Ph.D., Professor and Chair of Theatre Arts. (2002)**
B.A., Mary Washington College; M.F.A., State U. of New York, Stony Brook; Ph.D., Indiana U., Bloomington.
- Sha Towers, M.L.I.S., Associate Librarian, Director of Liaison Services. (2003)**
B.M., Baylor U.; M.M., *ibid.*, M.L.I.S., U. of Texas, Austin.
- Michael A. Trakselis, Ph.D., Associate Professor of Chemistry and Biochemistry and Co-Graduate Program Director. (2014)**
B.S., U. of Illinois; M.S., *ibid.*; Ph.D., Pennsylvania State U.
- Jonathan Tran, Ph.D., Associate Professor of Religion, Holder of The George W. Baines Professorship in Religion. (2006)**
B.A., U. of California, Riverside; M.Div., Duke Divinity School, Durham; Ph.D., Duke U., The Graduate School, Durham.
- Mary Lynn Trawick, Ph.D., Associate Professor of Chemistry and Biochemistry. (1983)**
B.S., U. of Michigan; Ph.D., Case Western Reserve U.
- Jonathan K. Trower, Ph.D., Associate Professor and Chair of Information Systems. (1986)**
B.A., Drury College; M.B.A., Baylor U.; Ph.D., U. of Minnesota.
- Stephen J. Trumble, Ph.D., Associate Professor of Biology. (2008)**
B.S., Texas State U.; M.S., California State U., Fresno; Ph.D., U. of Alaska, Fairbanks.
- Jo-Ann Tsang, Ph.D., Associate Professor of Psychology and Neuroscience. (2002)**
B.A., U. of California, Berkeley; M.A., U. of Kansas; Ph.D., *ibid.*
- Lingjiang (Lora) Tu, Ph.D., Clinical Associate Professor of Marketing. (2014)**
B.A., N. China U.; M.A., U. of Central Florida; Ph.D., U. of Texas at San Antonio.
- Jack D. Tubbs, Ph.D., Professor of Statistical Science. (2003)**
B.S., Eastern New Mexico U.; M.S., Texas Tech U.; Ph.D., *ibid.*
- Cheryl A. Tucker, D.N.P., Clinical Associate Professor of Nursing. (2005)**
B.S., Baylor U.; M.S.N., Georgia College & State U., D.N.P., U. of Nevada, Las Vegas
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B.B.A., Baylor U.; M.B.A., *ibid.*
- Andrea L. Turpin, Ph.D., Associate Professor of History and Interim Graduate Program Director. (2011)**
A.B., Princeton U.; M.A., Gordon-Conwell Theological Seminary; Ph.D., U. of Notre Dame.

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B.S.N., Texas Women's U.; M.S.N., Duke U.; D.N.P., Indiana Wesleyan U.
- David M. Uber, Ph.D., Professor of French. (1976)**
A.B., Hamilton College; M.A., Rice U.; Ph.D., *ibid.*
- Jeremy E. Uecker, Ph.D., Associate Professor of Sociology. (2012)**
B.A., Furman U.; M.A., U. of Texas; Ph.D., *ibid.*
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B.M., Oklahoma Baptist U.; M.M., U. of Cincinnati, College Conservatory of Music; D.M.A., *ibid.*
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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.*

[†]Lecturer

- 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. Whinton, 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[†], 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.
- Capt Rodney W. Wilkinson III, USAF, Assistant Professor of Aerospace Studies. (2019)**
B.S., 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. (2019)**
B.A., Azusa Pacific U.; Ph.D., Baylor U.
- Deborah K. Williamson, D.M.A., Associate Professor of Voice. (2000-2001[†]; 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.*
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B.A., U. of Colorado; Ph.D., U. of Pennsylvania.

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B.A., Eureka College; M.B.A., Bradley U.; Ph.D., Southern Illinois U.

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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.***Qinxu 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)**

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B.A., East Texas Baptist U.; M.R.E., Southwestern Baptist Theological Seminary; M.S.W., Temple U.; D.S.W., U. of Pennsylvania.

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B.A., Seattle Pacific U.; A.A.S., Fashion Institute of Technology; M.A., Cornell U.; Ph.D., U. of Minnesota.

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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)

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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)

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Laurel E. Zeiss, Ph.D., Associate Professor of Musicology. (1999-2000[†], 2000)

B.M., Greensboro College; M.A., U. of North Carolina, Chapel Hill; Ph.D., *ibid.*

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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.

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.*

[†]Lecturer

- 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 Marshall Smith Distinguished Professor. (1960-1961, 1968-2014)**
B.A., Baylor U.; M.A., *ibid.*; Ph.D., Emory U.
- Robert S. Baldridge, 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 Neurosciences. (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)**
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- Richard E. Duhrkopf, Ph.D., Associate Professor of Biology. (1984-2017)**
B.S., The Ohio State U.; M.S., *ibid.*; Ph.D., *ibid.*
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- Preston M. Dyer, Ph.D., Professor of Social Work. (1969-2009)**
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- Donald R. Edwards, Ph.D., Professor of Management. (1981-2000)**
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- Steven R. Eisenbarth, Ph.D., Professor and Associate Chair of Electrical and Computer Engineering. (1980-2013)**
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- David W. Eldridge, Ph.D., Professor of Biology. (1968-2011)**
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- Harry Elzinga, Ph.D., Professor of Musicology. (1981-2003)**
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- Donald R. Farris, Ph.D., Professor of Electrical and Computer Engineering. (1988-2009)**
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- Lawrence G. Felice, Ph.D., Professor of Sociology. (1970-2005)**
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- John C. Flynn, Ph.D., Professor of Psychology and Neuroscience. (1963-1996)**
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B.S.N., Baylor U.; M.S.N., U. of Minnesota; Ph.D., U. of North Texas.
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