

2012-2013  
UNDERGRADUATE CATALOG



RUFUS C.  
BURLESON  
1892 — 1961

A TRIBUTE  
FROM HIS STUDENTS  
AND FRIENDS



BAYLOR  
UNIVERSITY



COLLEGE OF ARTS AND SCIENCES • HANKAMER SCHOOL OF BUSINESS  
SCHOOL OF EDUCATION • SCHOOL OF ENGINEERING AND COMPUTER SCIENCE  
• HONORS COLLEGE • SCHOOL OF MUSIC • LOUISE HERRINGTON SCHOOL OF NURSING  
• SCHOOL OF SOCIAL WORK • INTERDISCIPLINARY PROGRAMS AND  
ACADEMIC SUPPORT SERVICES



**BAYLOR**  
UNIVERSITY

**2012 – 2013 Bulletin • Volume 115 • May 2012**

## 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, or disability 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 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. Request 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, classification, University ID card photograph, previous institution(s) attended, major field of study, awards, 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.**

## STUDENT AID INFORMATION

Financial aid programs available to undergraduate students include merit 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](http://www.fafsa.gov). Visit the Student Financial Aid Office website at [www.baylor.edu/sfs](http://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 farsighted 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.

## **BOARD OF REGENTS**

Stan Allcorn  
Wes Bailey  
Robert “Bob” E. Beauchamp  
Albert C. Black, Jr.  
Linda Brian  
Duane Brooks  
R. Stephen Carmack  
Harold R. Cunningham  
Bobby C. Dagnel  
Gary D. Elliston  
David Harlan Harper

Neal T. “Buddy” Jones  
Ronald Dean Murff  
Ramiro Abraham Peña, Jr.  
John C. Reimers  
Jeff D. Reeter  
William K. Robbins, Jr.  
Philip W. Stewart  
R. Dary Stone  
Richard S. Willis  
Ronald L. Wilson

## **REGENTS EMERITI**

George C. Anson  
J. Harry Jeanes  
Drayton McLane, Jr.  
W. Winfred Moore

Regents as of May 31, 2012

ADMINISTRATION

General Administration

Kenneth Winston Starr, B.A., M.A., J.D.	President
John M. Barry, B.A., M.A.	Vice President for Marketing and Communications
Charles Beckenhauer, B.A., J.D.	General Counsel
Elizabeth Davis, B.B.A., Ph.D.	Executive Vice President and Provost
Vacant	Vice President for University Development
Kevin P. Jackson, B.A., M.A., Ph.D.	Vice President for Student Life
Karla Leeper, B.A., M.A., Ph.D.	Chief of Staff to the President
Ian McCaw, B.Comm., M.S.	Director of Athletics
Patti Orr, B.S., M.Ed.	Vice President for Information Technology
Reagan M. Ramsower, B.B.A., M.S., Ph.D.	Vice President for Finance and Administration

Academic Officers

Shelley Conroy, R.N., M.S., Ed.D.	Dean, Louise Herrington School of Nursing
Jon M. Engelhardt, B.A., M.Ed., Ph.D.	Dean, School of Education
David E. Garland, B.A., M.Div., Ph.D.	Dean, George W. Truett Theological Seminary
Diana R. Garland, B.A., M.S.S.W., Ph.D.	Dean, School of Social Work
Thomas S. Hibbs, B.A., M.A., M.M.S., Ph.D.	Dean, Honors College
Dennis L. O'Neal, B.S., M.S., Ph.D.	Dean, School of Engineering and Computer Science
J. Larry Lyon, B.A., M.A., Ph.D.	Dean, Graduate School
Terry S. Maness, B.A., M.S., D.B.A.	Dean, Hankamer School of Business
William V. May, Jr., B.M.E., M.M.E., Ph.D.	Dean, School of Music
Lee C. Nordt, B.S., M.S., Ph.D.	Dean, College of Arts and Sciences
Pattie Orr, B.S., M.Ed.	Dean, Libraries
Bradley J.B. Toben, B.A., J.D., LL.M.	Dean, School of Law

Enrollment Management Officers

Jennifer Carron, B.A.	Assistant Vice President, Admission Services
Diana M. Ramey, B.S.E., M.Ed.	Associate Vice President, Enrollment Management
Sinda Vanderpool, B.A., M.A., Ph.D.	Assistant Vice Provost for Academic Enrollment Management

Student Life Officers

Burt Burleson, B.A., M.Div., D.Min.	University Chaplain
Elizabeth D. Palacios, B.A., M.S.Ed., Ph.D.	Dean for Student Development
Martha Lou Scott, B.S., M.P.A., Ed.D.	Associate Vice President for Student Life
Jeff Doyle, B.A., M.Ed., Ph.D.	Dean, Student Learning and Engagement

Campus Safety

James Doak, B.S.	Chief of Police
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## ACCREDITATIONS AND MEMBERSHIPS

Baylor University consists of 11 colleges and schools located in Waco, Dallas, and San Antonio.

Baylor University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools 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 1886 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

### College and Schools

- College of Arts and Sciences
  - American Academy of Liberal Education
  - Phi Beta Kappa
- Hankamer School of Business
  - AACSB International – The Association to Advance Collegiate Schools of Business
  - Beta Gamma Sigma
- School of Education
  - The American Association of Colleges for Teacher Education
  - Holmes Partnership
  - National Council for Accreditation of Teacher Education
  - Program Accreditation by the State Board for Educator Certification
  - Society for Public Health Education-American Association for Health Education
  - 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
- School of Law
  - The Association of American Law Schools
  - Accredited by the American Bar Association
- School of Music
  - 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

Social Work

Council on Social Work Education

George W. Truett Theological Seminary

The Association of Theological Schools

### **Departments and Programs**

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

Athletic Training: Commission on Accreditation of Athletic Training Education

Aviation Sciences: Member, The University Aviation Association

Chemistry: Approved by the American Chemical Society

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

Communication Studies: Program in Radio-The Broadcast Education Association

Associate Member, National Association of Educational Broadcasters

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

Family and Consumer Sciences: Accredited by the American Association of Family and Consumer Sciences

Graduate Program in Health Care Administration: Approved by the Accrediting Commission on Education for Health Services Administration

Interior Design: Accredited by the Council for Interior Design Accreditation

Journalism: Accredited by the Accrediting Council on Education in Journalism

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

Nutrition Sciences: Accredited by the Commission on Accreditation for Dietetics Education of the American Dietetic Association

Political Science: American Political Science Association

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

Theater Arts: National Association of Schools of Theater

## 2012 – 2013 ACADEMIC CALENDAR

### SUMMER SEMESTER 2012

#### Invoice and Graduation - Summer

- |        |   |
|--------|---|
| March  | 1—Priority date for completing the FAFSA.   |
| May    | 2—Summer Financial Settlement begins. View E-Bill and make payment online at <a href="http://www.baylor.edu/ebill">www.baylor.edu/ebill</a> . Students confirm attendance and check financial settlement online at <a href="http://www.baylor.edu/bearweb">www.baylor.edu/bearweb</a> .<br>14—Summer invoice payment and confirmation due date. (Session I & II and Full Summer Session).<br>25—Deadline for summer Financial Settlement. Students that registered prior to May 23 for either Session I, II, or Full Summer Session must pay and confirm attendance by 5 p.m. to prevent class cancellation. If allowed to re-register after cancellation, a \$100 re-registration fee will be assessed.<br>31—Last day for graduating seniors to file for August graduation with the respective deans. |
| June   | 1—Preferred date for new students who have not already completed the FAFSA.<br>29—Deadline for Financial Settlement for those registered for Session II only after May 22. Classes will be cancelled if not settled by 5 p.m. If allowed to re-register a \$100 re-registration fee will be assessed.   |
| July   | 27—Correspondence courses must be completed by this date for August graduation.<br>27—Incomplete courses must be completed by this date for credit for August graduation.   |
| August | 9-10—Administrative check on candidates for graduation.<br>10—Truett Seminary Commencement<br>11—Commencement, Ferrell Center, 9:30 a.m.<br>11—Residence halls close at 2:00 p.m. for summer graduating seniors.  |

#### Minimester — May 14 - June 1

- |      |   |
|------|---|
| May  | 13—Last day to register for minimester through BearWeb.<br>14—Class sessions begin for minimester.<br>15—Students that withdraw from the University after this date for the minimester will receive a grade of WP (Withdraw Passing) in all minimester courses.<br>17—Courses dropped after this date for the minimester will be recorded as DP (Drop Passing) or DF (Drop Failing), according to the report of the professor of record.<br>17—Students that withdraw from the University after this date for the minimester will receive a grade of WP (Withdraw Passing) or WF (Withdraw Failing) according to the report of the professor of record for each minimester class.<br>22—Courses dropped after this date for the minimester will receive a grade of DF (Drop Failing).<br>22—Students that withdraw from the University after this date for the minimester will receive a grade of WF (Withdraw Failing) in all minimester courses.<br>28—Memorial Day Holiday |
| June | 1—End of minimester; final examinations for minimester.<br>2—Residence halls close at 6:00 p.m. for May minimester residents.   |

#### Full Summer Session — May 30 - August 8

- |                 |  |
|-----------------|--|
| April 16—May 31 | Registration/schedule changes through BearWeb for full semester.   |
| May             | 30—Late registration begins.<br>30—Classes for Full Session begin.   |
| June            | 6—Last day to register or add courses running through the full summer Session.<br>8—Students that withdraw from the University after this date for the Full Summer Session will receive a grade of WP (Withdraw Passing) in all Full Summer Session courses.<br>18—Courses dropped after this date for the full Summer session will be recorded as DP (Drop Passing) or DF (Drop Failing), according to the report of the professor of record.<br>18—Students that withdraw from the University after this date for the Full Summer Session will receive a grade of WP (Withdraw Passing) or WF (Withdraw Failing) according to the report of the professor of record for each Full Summer Session course. |

- July
- 4—Independence Day Holiday
  - 9—Courses dropped after this date for full Summer session will receive a grade of DF (Drop Failing).
  - 9—Students that withdraw from the University after this date for the Full Summer Session will receive a grade of WF (Withdraw Failing) in all Full Summer Session courses.

**Session I — May 30 - July 3**

- April 16—May 31 Registration/schedule changes through BearWeb for Session I.
- May
- 29—Residence halls open at 1:00 p.m. for Session I residents.
  - 30—Classes for Session I begin.
  - 30—Late registration begins.
- June
- 1—Last day to register or add courses for Session I.
  - 1—Last day for credit by examination in enrolled courses.
  - 4—Students that withdraw from the University after this date for Session I will receive a grade of WP (Withdraw Passing) in all Session I courses.
  - 7—Courses dropped after this date for Session I will be recorded as DP (Drop Passing) or DF (Drop Failing), according to the report of the professor of record.
  - 7—Students that withdraw from the University after this date for Session I will receive a grade of WP (Withdraw Passing) or WF (Withdraw Failing) according to the report of the professor of record for each Session I class.
  - 18—Courses dropped after this date for Session I will receive a grade of DF (Drop Failing).
  - 18—Students that withdraw from the University after this date for Session I will receive a grade of WF (Withdraw Failing) in all Session I courses.
- July
- 3—End of Session I; final examinations for Session I.
  - 4—Residence halls close at 2:00 p.m. for Summer Session I residents.

**Session II — July 5 - August 8**

- April 16 — July 6 Registration/schedule changes through Bear Web for Session II.
- July
- 3—Residence halls open at 10:00 a.m. for Summer Session II residents.
  - 5—Classes begin for Session II.
  - 9—Last day to register or add courses for Session II.
  - 9—Last day for credit by examination in enrolled courses.
  - 10—Students that withdraw from the University after this date for Session II will receive a grade of WP (Withdraw Passing) in all Session II courses.
  - 13—Courses dropped after this date for Session II will be recorded as DP (Drop Passing) or DF (Drop Failing), according to the report of the professor of record.
  - 13—Students that withdraw from the University after this date for Session II will receive a grade of WP (Withdraw Passing) or WF (Withdraw Failing) according to the report of the professor of record for each Session II course.
  - 24—Courses dropped after this date for Session II receive a grade of DF (Drop Failing).
  - 24—Students that withdraw from the University for Session II after this date will receive a grade of WF (Withdraw Failing) in all Session II courses.
- August
- 8—End of Session II; final examinations for Session II.
  - 9—Residence halls close at 6:00 p.m. for Summer Session II residents.

**FALL SEMESTER — August 20 - December 3**

- April 16 - August 24—BearWeb will be open to all eligible students for registration and schedule changes.
- July
- 5—Fall Financial Settlement begins. View E-Bill and make payment online at [www.baylor.edu/ebill](http://www.baylor.edu/ebill). Students confirm attendance and check financial settlement status online at [www.baylor.edu/bearweb](http://www.baylor.edu/bearweb).
  - 31—Fall invoice payment and confirmation due date. A \$100 late payment fee will be charged if financial settlement is not complete (payment must received) by the due date.
  - 31—Residents who are not financially settled for the fall semester may lose their fall assignment and/or be reassigned to another living area.
- August
- 14—Deadline for Fall Financial Settlement. Students must pay and confirm

- attendance by 5:00 p.m. to prevent class cancellation. If allowed to re-register after cancellation, a \$150 re-registration fee will be assessed.
- 15—All Living-Learning Programs open for designated halls.
  - 16—Residence Halls and apartments open for fall semester. Move in times to be announced on the Move2BU website.
  - 17—Academic Convocation
  - 20—Class sessions begin.
  - 20—Assessment of \$100 late registration fee begins.
  - 20-24—BearWeb will be open for late registration and schedule changes.
  - 24—Last day to register through BearWeb for Fall 2012 term.
  - 25—Truett Seminary Fall Convocation
  - 27—Late registration and schedule changes can be made in the Office of the Registrar, third floor, Suite 380, Robinson Tower, Monday — Friday from 8 a.m. – 5 p.m. (excluding holidays) or through August 28 with your academic advisor.
  - 27—Last day for graduating seniors to file for December graduation with their respective deans.
  - 28—Last day to register or add a class.
  - 28—Last day for credit by examination in enrolled courses.
  - 29—Assessment of change in schedule fee begins.
- September
- 3—Labor Day Holiday. Residence halls open.
  - 5—Students that withdraw from the University after this date will receive a grade of WP (Withdraw Passing) in all courses.
  - 17—Courses dropped after this date will be recorded as DP (Drop Passing) or DF (Drop Failing), according to the report of the professor of record.
  - 17—Students that withdraw from the University after this date will receive a grade of WP (Withdraw Passing) or WF (Withdraw Failing) according to the report of the professor of record for each class.
- October
- 2—Academic Warnings for Fall 2012 must be submitted by 5:00 p.m.
  - 12-13—Parents Weekend
  - 15—Courses dropped after this date will receive a grade of DF (Drop Failing).
  - 15—Students that withdraw from the University after this date will receive a grade of WF (Withdraw Failing) in all courses.
  - 19-21—Fall break. Residence halls and apartments remain open. Limited front desk residential service begins at 6:00 p.m.
- November
- 29-Nov. 15—Spring 2013 Early Registration through BearWeb (tentative dates).
  - 2-4—Homecoming
  - 21-25—Thanksgiving holidays, (Wednesday through Sunday).
  - 21—Residence halls and apartments remain open. Limited residential services begin at 9:00 a.m..
  - 25—Limited residential services end. 1:00 p.m. full services begin.
  - 30—Last day for completion of correspondence courses to apply toward December graduation.
- December
- 3—Last day for removal of incomplete grades.
  - 3—Last day of classes for the Fall semester.
  - 4-5—Study days.
  - 6-8; 10-12—Final examinations (includes Saturday, December 8).
  - 13-14—Administrative check on candidates for graduation.
  - 13—Residence halls close at 6 p.m. for fall residents. The Arbors, Fairmont, Gables, University Parks, Brooks Flats, and North Village residential communities will remain open between the semester break (December 15, 2012 through January 10, 2013).
  - 14—Truett Seminary Commencement
  - 15—Commencement at Ferrell Center, 9:30 a.m. and 2:30 p.m. Information available at [www.baylor.edu/commencement](http://www.baylor.edu/commencement).
  - 15—Residence halls close at 2:00 p.m. for graduating seniors.

**SPRING SEMESTER — January 14 - May 3**

November 19, 2012-January 18, 2013—BearWeb open for registration and schedule changes (tentative dates).

December 3—Spring Financial Settlement begins. View E-Bill and make payment online

- at [www.baylor.edu/ebill](http://www.baylor.edu/ebill). Students confirm attendance and check financial settlement status online at [www.baylor.edu/bearweb](http://www.baylor.edu/bearweb).
- 20—Spring invoice payment and confirmation 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 24-January 1 for the holidays.)
- January 7—Residence halls open at 9:00 a.m. for students participating in Panhellenic recruitment.
- 8—Deadline for Spring Financial Settlement. Students must pay and confirm attendance by 5:00 p.m. to prevent class cancellation. If allowed to re-register after cancellation, a \$150 re-registration fee will be assessed.
- 10—Residence halls open at 8:00 a.m. for spring semester.
- 12—Truett Seminary Founders Day/Spring Convocation
- 14-18—BearWeb will be open for late registration and schedule changes. After January 18, BearWeb registration will be closed for the Spring 2013 term.
- 14—Class sessions begin for Spring Semester.
- 14—Assessment of \$100 late registration fee begins.
- 21—Martin Luther King, Jr. Holiday.
- 22—Last day for graduating seniors to file for May graduation with their respective deans.
- 23—Last day to register or add courses.
- 23—Last day for credit by examination in enrolled courses.
- 24—Assessment of change in schedule fee begins.
- 30—Students that withdraw from the University after this date will receive a grade of WP (Withdraw Passing) in all courses.
- February 11—Courses dropped after this date will be recorded as DP (Drop Passing) or DF (Drop Failing), according to the report of the professor of record.
- 11—Students that withdraw from the University after this date will receive a grade of WP (Withdraw Passing) or WF (Withdraw Failing) according to the report of the professor of record for each class.
- 26—Academic Warnings for Spring 2013 must be submitted by 5 p.m.
- March 8—Spring Break-All living areas remain open. Limited front desk residential service begins at 6:00 p.m.
- 9-17—Spring break.
- 17—Limited front desk residential services end. 1:00 p.m. full services begin.
- 19—Courses dropped after this date will receive a DF (Drop Failing).
- 19—Students that withdraw from the University after this date will receive a grade of WF (Withdraw Failing) in all courses.
- 29-April 1—Easter holidays
- 29—Residence halls remain open for Easter Break. Limited front desk residential service begins at 9:00 a.m.
- April 1—Limited front desk residential services end. Full front desk services begin at 1:00 p.m.
- 2-19—Summer and Fall 2013 Early Registration through Bearweb (tentative dates).
- 18—Diadeloso
- May 3—Last date for completion of correspondence courses to apply toward May graduation.
- 3—Last day of classes for the Spring semester.
- 3—Last day for removal of incomplete grades.
- 6-7—Study days.
- 8-11; 13-14—Final examinations (includes Saturday, May 11).
- 15-16—Administrative check on candidates for graduation.
- 15—Residence halls close at 6 p.m. for spring residents.
- 17—Truett Seminary Commencement
- 17-18—Commencement, Ferrell Center.
- 18—Residence halls close at 2:00 p.m. for spring graduating seniors.

Specific times will be determined prior to the spring semester 2013; please refer to the commencement website at [www.baylor.edu/commencement](http://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 for Spring 2013.*

## ADMISSIONS

Admission to Baylor University is by formal application to the Office of Admission Services. The function of the office is to facilitate the admission process without sacrificing the integrity of academic records and admissions policy. The Office assists applicants in learning admissions policies and procedures; conducts personal interviews and group presentations; collects applications and documents; assesses qualifications in relation to Baylor's requirements for admission; and communicates decisions to applicants.

Policies are established by the Board of Regents on the advice of the President and the Enrollment Management Council and implemented by the Admissions Committee. Appeals for individual approval are reviewed by the Admissions Committee.

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, or disability. The University, in maintaining the standards and ideals for which it stands, reserves the right to refuse admission to any applicant whose previous record is deemed unsatisfactory. Students may be admitted to Baylor either as degree-seeking students or as non-degree seeking students.

### ADMISSION AS A DEGREE-SEEKING STUDENT

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

An international student whose native language is not English must document English proficiency in one of the following ways by submitting:

- an official transcript showing the completion of one year of full-time study at a school located in the United States, or
- an official statement of the completion of one year of full-time study at a school where English is the official language of instruction, or
- an official SAT Verbal score of 470 or ACT English score of 20, or
- an official IELTS score of 6.0, or
- an official TOEFL score of 540 (on the paper-based test) or 207 (on the computer-based test), or 76 (on the internet-based test).

NOTE: International students may be placed in **ENG 1300 English as a Second Language: Comprehension** if language and writing tests given when the student enrolls in the University indicate a need for further development of English skills.

All degree-seeking students who are admitted to Baylor University as freshmen enter the College of Arts and Sciences; the Honors College; the School of Education; the School of Engineering and Computer Science; the School of Music; or a pre-professional program in the Hankamer School of Business, the Louise Herrington School of Nursing, or the School of Social Work. Those students admitted to the University who intend to major in music must also qualify for admission to that school through a separate audition process information about which is available from the School of Music. Students pursuing degrees in one of the other professional schools may apply for admission to a specific degree program during their second year.

### Methods of Admission

#### I. By Graduation from High School for First-Year Student Admission

A **first-year student** is one who meets at least one of the following:

- has never attended college
- has attended college prior to high school graduation (earning dual credit or credit to meet high school graduation requirements)
- has attended college only in the summer immediately following high school graduation

High school graduates, including home school graduates, must present at least 17 year-units completed prior to graduation prescribed as follows:

<b>English</b>	4 year-units
<b>Foreign Language:</b> (same language)	2 year-units
<b>Mathematics:</b> (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 predentistry, premedicine, or nursing)

4 year-units

**Social Science:** (should include one or more in history)

3 year-units

Consideration for admission to Baylor is highly competitive. Baylor seeks to enroll students with strong academic preparation who show the greatest potential to succeed at Baylor. However, Baylor may use a variety of factors in determining the admissibility of any applicant, so it is not possible to identify a minimum level of achievement on each or any factor necessary to gain admission.

Students may be required to pass placement tests before enrolling in Freshman English, depending on the official results of the ACT English or the SAT verbal scores.

Students are required to take a placement test before enrolling in Pre-Calculus or Calculus I.

**II. By Early Admission**

A student who completes nine semester hours of work under the Advanced Studies program (see "Admission as Non-Degree Seeking Student" section) with a minimum grade of "B" in each course may be considered for early admission as a degree-seeking first-year student without graduation from high school and with parental approval if the student is under 18.

**III. By Transfer from Another College or University for Transfer Admission**

A transfer is defined as follows:

- A transfer is anyone who has taken college work since high school graduation, except for summer school immediately following graduation. Someone whose only college credits were taken for dual credit or to meet graduation requirements is not a transfer student; please see Section I on the previous page.

Students who wish to transfer to Baylor from another college or university should plan to do so no later than the end of the sophomore year, because the residence requirement for a bachelor's degree at Baylor is sixty semester hours. The minimum grade point average required for transfer is a cumulative 2.5 on a four-point scale.

In addition, transfer students who have completed fewer than twenty-four semester hours must also meet first-year student admissions requirements (as described in Section I). Transfer students following high school graduation, who wish to take English 1302 at Baylor may be required to pass placement tests before enrolling in English 1302 depending on the official results of the ACT English or the SAT Verbal scores. Students will not be allowed to register for English 1304 or literature until English 1302 credit has been awarded.

All transfer students who have completed twenty-four semester hours or more must meet the same minimum course requirements for admission that are required for beginning freshmen. A student may present a high school transcript or a college transcript to verify that the requirements have been fulfilled. If a student fails to meet the course requirements, but is currently enrolled in the required work, the completion of the work must be documented before registration is permitted.

Upon admission to the University, all course work that a student takes at another college is evaluated for equivalent transfer credits, not necessarily for degree requirements. Some courses may be evaluated as "1000", "2000", "3000", or "4000" level courses. These courses do not have specific Baylor equivalents and generally only count as elective hours and not toward specific degree requirements. Please Note: Many degree plans have no room for elective courses outside the core requirements. It is the student's responsibility to determine if the equivalent course applies to a specific degree requirement by referring to the Baylor University Undergraduate Catalog or by consulting an advisor within the appropriate college or school. The Texas Common Course Numbering System as described in this catalog will assist in determining some equivalent courses at participating Texas community/junior colleges.

Work from regionally accredited institutions and foreign institutions will be evaluated for equivalent credit on a course by course basis provided a grade of "C" or higher is recorded on an official transcript. Baylor University will not allow transfer credit for courses in which a grade of less than "C" was earned at another institution. Credit for educational experience in the armed services is evaluated based on recommendations from the American Council on Education. No grades earned on transfer work will become part of the Baylor grade point average.

Either physical education or military science may be used to meet the requirements in human performance. Some degrees allow part or all of the physical education requirement to be fulfilled with non-Human Performance classes (for example marching band). 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.

Credit on applied or other music courses is subject, in most instances, to proficiency tests, except that a maximum of ten semester hours may be used as elective credit on non-music degrees.

A maximum of seventy semester hours may be transferred from a community/junior college.

Finally, no student is eligible for transfer from another institution who is not eligible to return to all institutions attended immediately.

#### **IV. By Previous Degree from Another College or University**

Applicants who have completed a degree at another college or university may attend Baylor as a post-baccalaureate student. Such applicants may seek a second degree only if it is a *different* degree with a *different* major from the first degree and major.

#### **V. By Readmission**

Students who attended Baylor as non-degree seeking students must reapply for admission and provide appropriate documents in order to be reviewed for possible admission as a degree-seeking student.

Students who enrolled in the Summer Studies Program but did not meet the requirements for continued enrollment at Baylor as stipulated and required in the admission agreement must complete at least 15 semester hours at another college or university achieving a cumulative 2.75 GPA on the work taken at another college or university before applying for readmission.

#### **VI. By 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 include special requirements.

In addition, applicants who possess special or unique talents or abilities in music, the visual or performing arts, or athletics, or have other extenuating circumstances who wish to pursue a degree but who do not qualify for admission may be offered admission at the discretion of the Admissions Committee upon the request of the provost, dean, department chair, or athletic coach. Such admission may include special requirements.

#### **VII. Through the Baylor@MCC (McLennan Community College) Co-Enrollment Program**

Some students are admitted to Baylor through the Baylor@MCC Co-Enrollment Program, which is a three-year pilot program that began with the 2012-2013 academic year. Admission is by invitation only. Baylor@MCC serves a distinct Baylor-bound group of students who primarily take classes at McLennan Community College and then become full Baylor transfer students upon meeting specified criteria. Students enrolled in the program have full access to the Student Life Center, the Health Center, the Baylor libraries, football/basketball tickets, intramural sports, and other student activities. For more information about the program, visit the program's website at [baylor.edu/admissions/coenroll](http://baylor.edu/admissions/coenroll) or contact Admission Services at 1-800-BAYLOR-U or 254-710-3435.

### **ADMISSION AS A NON-DEGREE SEEKING STUDENT**

Applicants who do not intend to seek a Baylor degree may be admitted as special students.

An international student whose native language is not English must document English proficiency in one of the following ways by submitting:

- an official transcript showing the completion of one year of full-time study at a school located in the United States, or
- an official statement of the completion of one year of full-time study at a school where English is the official language of instruction, or
- an official SAT Verbal score of 470 or ACT English score of 20, or
- an official IELTS score of 6.0, or
- an official TOEFL score of 540 (on the paper-based test) or 207 (on the computer-based test), or 76 (on the internet-based test).

**NOTE:** International students may be placed in **ENG 1300 English as a Second Language: Comprehension** if language and writing tests given when the student enrolls in the University indicate a need for further development of English skills.

## Methods of Admission

### I. By Advanced Studies

Superior high school students may apply to attend either one or both summer sessions if they meet the following requirements:

- A. Completion of the junior year in high school with appropriate progress toward required courses.
- B. Rank within the top one-tenth of the high school class and score at least 1310 on the SAT or at least 30 on the ACT.
- C. Recommendation of high school principal and counselor.

Area high school students who meet the requirements for Advanced Studies may enroll for one or two courses during the final year of high school.

Students who enroll in 9 hours and make a “B” in each course may be considered for Early Admission (see “Admission as a Degree-Seeking Student” section).

### II. By Pursuing a Degree at another College or University

Students who are pursuing a degree at another school and are in good standing at that school according to the Registrar may attend Baylor as a transient student.

### III. By Individual Approval

Applicants who do not wish to pursue a degree may be offered admission as a non-degree student at the discretion of the Admissions Committee.

### IV. By Admission through the Baylor@MCC Co-Enrollment Program

Some degree-seeking applicants may be offered space in the Baylor@MCC Co-Enrollment Program as space allows. Students enrolled in this program will be co-enrolled at Baylor University (as non-degree seeking students) and McLennan Community College.

## APPLICATION FORMS AND ADMISSION INFORMATION

Applications for admission and admission information are available by writing the Office of Admission Services, One Bear Place #97056, Waco, TX 76798-7056, by calling 1-800-BAYLOR-U or 254-710-3435, by accessing the Baylor home page at [www.baylor.edu](http://www.baylor.edu), or by e-mailing [Admissions@baylor.edu](mailto:Admissions@baylor.edu).

## CREDIT BY EXAMINATION

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

### I. For the Entering Freshman

An entering freshman who has attained proficiency in college-level courses prior to enrollment at Baylor may earn credit hours through the credit by examination programs listed below. Refer to the *Credit by Examination* policies available at [www.baylor.edu/irt/testing](http://www.baylor.edu/irt/testing) 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 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 the examination must be secured from the department chair.
- B. A student seeking credit by examination during his or her last thirty hours must secure a petition from the Dean of the student's school or college **before** requesting 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 taken for credit or noncredit.
- F. Residence requirements are not reduced when credit is received for a course through credit by examination.
- G. The academic registration closing date is the last day a student is permitted to establish credit by examination for a course in which the student is enrolled.

## ADVANCED PLACEMENT IN FOREIGN LANGUAGE

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

## NATIONAL AND INTERNATIONAL SCHOLARSHIPS

Baylor University encourages its strongest, academically competitive students (usually those with a minimum GPA of 3.4) to compete for prestigious national and international scholarships. The Faculty Committee on National and International Scholarships offers assistance to qualified students to pursue these scholarships. The website [www.baylor.edu/scholarships/](http://www.baylor.edu/scholarships/) 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](http://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/](http://www.gates.scholarships.cam.ac.uk/)
- **Barry M. Goldwater Scholarships:** Encourages excellence in science and mathematics. [www.act.org/goldwater](http://www.act.org/goldwater)
- **James Madison Memorial Fellowships:** Encourages future and current high school teachers of American history and social studies in grades 9-12 to undertake graduate study of the American Constitution. [www.jamesmadison.com](http://www.jamesmadison.com)
- **Marshall Scholarships:** Established by the British government in 1953 in appreciation for the European Recovery Program after World War II, for baccalaureate degree holders to study at any university in the United Kingdom. [www.marshallscholarship.org](http://www.marshallscholarship.org)
- **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/oe.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](http://www.nsf.gov)

- **Rhodes Scholarships:** Regarded as perhaps the most prestigious scholarship in the world, this award permits the pursuit of an Oxford University degree. It is awarded only to students who exemplify superior intellectual capabilities and character of the highest order.  
[www.rhodesscholar.org](http://www.rhodesscholar.org)
- **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](http://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](http://www.truman.gov)
- **Morris K. Udall Scholarships:** Awards scholarships to students who intend to pursue careers related to environmental public policy and to Native Americans and Alaskan Natives who intend to pursue careers in health care and tribal public policy. [www.udall.gov/p\\_scholarship.htm](http://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/](http://www.baylor.edu/scholarships/)

## STUDENT FINANCIAL AID

The costs of tuition, room, and board 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 merit-based scholarships and need-based scholarships, as well as grants, loans, and part-time campus employment designed to help eligible students meet expenses while enrolled at Baylor University. Approximately 84 percent of all students receive some form of financial assistance.

### SCHOLARSHIPS

#### **Merit Baylor Scholarships**

For a complete list of merit scholarships awarded to incoming freshmen and transfer students, go to [www.baylor.edu/admissions/meritscholarships](http://www.baylor.edu/admissions/meritscholarships).

#### **Regents' Gold Scholarship**

A full tuition academic scholarship is provided for up to eight semesters of undergraduate study. Further, the Regent's Gold Scholarship is augmented by the recipients' SAT or ACT score. This scholarship is comprised of any scholarship awarded by Baylor through the National Merit Scholarship Corporation, along with other scholarship/grant funds available at Baylor. The student must list Baylor as his or her first choice of universities with the Corporation in order to be named as a Baylor-sponsored National Merit Finalist. This scholarship will be renewed during the undergraduate years provided the student maintains at least a 3.5 cumulative grade point average.

#### **Carr P. Collins Scholars Program**

Collins Scholarship recipients are awarded at least \$4,600 their freshman year, renewable for three additional years. Selection for the Collins Scholarship is highly competitive. A limited number of awards are made. To be considered, applicants must meet all University requirements for unconditional admission; have a minimum score of 1250 on the SAT or a minimum score of 28 on the ACT; have completed a balanced college preparatory program including history, science, and a foreign language; be in the top quarter of their graduating class, and have been a resident of the state of Texas for at least one year. Prospective freshmen students completed applications must be received by January 31. To obtain an application and additional information, please visit the website at [www.baylor.edu/admissions/finaid](http://www.baylor.edu/admissions/finaid).

#### **Baptist National Merit Finalist Scholarship**

This \$4,000 scholarship, divided over 8 undergraduate semesters, is awarded to National Merit Finalists who have listed Baylor as their first choice of colleges with the National Merit Scholarship Corporation and are active in a Baptist church. This scholarship will be renewed during the undergraduate years provided the student maintains full-time enrollment and at least a 3.5 cumulative grade point average.

#### **Baptist Church Matching Scholarship**

Awards are made on a dollar for dollar basis, not to exceed \$1,000 in an academic year. Funds are matched when the student's Baptist church, state Baptist convention, or Baptist affiliated program provides outside assistance. Baylor University reserves the right to determine appropriate convention and Baptist affiliated programs. Each check to be matched must be submitted with the Baptist Church Matching Certification form available on the web at [www.baylor.edu/sfs](http://www.baylor.edu/sfs). Matching funds may be available beyond the freshman year as long as the church continues to provide scholarship support and the student maintains full-time enrollment and at least a 2.5 cumulative grade point average.

#### **Baptist Youth Speakers Scholarship**

Students who provide confirmation of their participation in the Baptist Youth Speakers Tournament and who place either first, second, or third at the state level competition will receive \$5,000, \$3,500 or \$2,500 respectively. Students are only eligible for one Baptist Youth Speakers Scholarship regardless of the number of times they have placed in the tournament. This scholarship is renewable beyond the initial year provided the student is enrolled full-time and maintains at least a 2.5 cumulative Baylor grade point average.

#### **Presidential Denominational**

Baylor awards scholarships of \$1,500 per academic year to Baptist students who provide

confirmation of their participation in the Challenge Program (formerly the High School Baptist Young Men Program) or the Studiact Program (formerly Acteens Program). Challengers must also provide proof of having received the National Leadership Award. Studiact participants must show proof of having completed all six Quest levels (formerly Acteens having received the Texas Acteens Citation Award). Studiact participants who have served as Texas state or national panelists for the WMU are also eligible. This scholarship is renewable beyond the initial year provided the student is enrolled full-time and maintains at least a 2.5 cumulative Baylor grade point average.

#### **Baptist Ministers Dependent Scholarship**

Baylor awards scholarships of \$5,000 per academic year based on need to the dependents of pastors, ministers of music, ministers of education, and other full-time ministers actively serving a Baptist congregation or a state convention, or agency in a role certified by a Baptist convention. Students must provide documentation of their parent's employment in a Baptist church or state convention or agency certified by a Baptist convention certifying full-time ministry involvement. Additionally, students must demonstrate financial need as determined by the Free Application for Federal Student Aid. This scholarship is renewable beyond the initial year provided the student continues to demonstrate financial need, maintains full-time enrollment and at least a 2.5 cumulative Baylor grade point average.

#### **Baptist Missionaries Dependent Scholarship**

Baylor awards scholarships of \$5,000 per academic year to the dependents of missionaries actively serving a Baptist international mission agency. Students must provide documentation of their parent's employment in this capacity. This scholarship is renewable beyond the initial year provided the student is enrolled full-time and maintains at least a 2.5 cumulative Baylor grade point average.

#### **Ministry Guidance Scholarship**

Baylor, in cooperation with the Baptist General Convention of Texas (BGCT), provides tuition assistance to students who are preparing for careers in church-related vocational ministry. Effective with the 2011-2012 academic year, the amount of this scholarship is 20% of tuition for Baylor undergraduate hours. For further information, please contact the ministry guidance office at (254) 710-3739.

#### **University Endowed Need-Based**

A number of Baylor funded and endowed scholarships and grants are available to students who qualify on the basis of merit and need. Need-based scholarships are awarded on an annual basis and are not available during summer sessions. Consideration for renewal is based on documented need as determined by the results of the Free Application for Federal Student Aid (FAFSA), academic progress, availability of funding, and maintaining a 2.5 cumulative Baylor grade point average.

#### **Athletic**

The various coaches in the Athletic Department award athletic scholarships. Such awards are subject to NCAA guidelines. Students interested in seeking athletic assistance should contact the Athletic Department directly at (254) 710-1234 for the name of the contact person who handles scholarship information for each sport.

#### **Departmental**

Some endowed scholarships are awarded by academic departments rather than the Student Financial Aid Office. Departmental scholarships are generally awarded to students in their junior or senior year who have declared a qualified major and who have proven their commitment to the major (by posting good grades and having taken an appropriate number of hours in the major in question). A scholarship search is available for currently enrolled students at [www.baylor.edu/sfs](http://www.baylor.edu/sfs). Please check with the department in which you will be studying to see if scholarships are available for incoming students.

#### **Other Scholarships**

A number of scholarships are provided by organizations such as private foundations, civic clubs, service clubs, fraternal groups, and churches.

Students may ask their high school counselors about these opportunities or research internet free search opportunities such as [www.fastweb.com](http://www.fastweb.com).

**FEDERAL AND STATE GRANTS****Federal Pell Grant**

This grant is a financial aid program designed to help eligible undergraduate students defray the cost of post-secondary education. Established need is required. The FAFSA is used to establish eligibility.

**Federal Supplemental Educational Opportunity Grant**

This program provides for undergraduate students who have exceptional financial need. Eligibility for this grant is determined on the basis of information provided on the FAFSA.

**Tuition Equalization Grant**

The purpose of this program is to help eligible students defray the cost of attending a private accredited university or college in Texas. All Texas residents will be considered automatically for the TEG based on information provided on the FAFSA. An affirmation of residency is required before the grant is credited to the student account. The amount of this grant, which is provided by the state legislature, will vary according to eligibility, funds available, and annual limits set by the Texas Higher Education Coordinating Board. To be eligible for consideration, the student must not be enrolled in a ministry degree program nor have an athletic scholarship. Recipients must meet state academic requirements, and must be enrolled full time.

**OTHER AID SOURCES****Veterans Administration (G.I. Bill)**

Veterans, widows of veterans, and children of disabled or deceased veterans may qualify. For more information, contact the VA office in your area.

**Vocational Rehabilitation**

Students with certain disabling conditions may qualify. To find out more about this service, contact the Rehabilitation Commission in your area.

**LOAN PROGRAMS****Perkins Loan**

The Perkins Loan is a federal loan program. This is a campus-based loan program, with Baylor acting as the lender using a limited pool of funds provided by the federal government. No new federal funding is available for the program currently. The amount available to award each year is dependent on the amount repaid by previous Baylor borrowers. Consideration is based on completion of the Free Application for Federal Student Aid. At Baylor, awards of up to \$4000 are made to undergraduate students with exceptional financial need. The Perkins Loan is a subsidized loan, with the interest being paid by the federal government during the in-school and 9-month grace periods. There are no origination or default fees, and the interest rate is 5%. There is a 10-year repayment period. The aggregate limit for undergraduate students is \$27,500.

**Nursing Loan**

The Nursing Loan is a federal loan program for students pursuing a degree in nursing. Consideration is based on completion of the Free Application for Federal Student Aid and admission to the Nursing School. It is a low-interest loan for undergraduate and graduate students with exceptional financial need. Loans of up to \$4000 are made with government funds through Baylor's financial aid office, and Baylor acts as the lender. The interest rate is 5 percent. You are not responsible for paying the interest on the loan during in-school, grace, and deferment periods. The aggregate limit is \$13,000.

**Direct Loan Program**

The Direct Loan Program offers several types of loans for undergraduate students and their parents:

**Direct Subsidized Loan**

These loans for students with demonstrated financial need, as determined by federal regulations. No interest is charged while a student is in school at least half-time, during the grace period, and during deferment periods. The interest rate is 3.4%.

**Direct Unsubsidized Loan**

These loans are not based on financial need. The interest is charged during all periods, even during the time a student is in school and during grace and deferment periods. The interest rate is 6.8%.

The maximum amount students can borrow each year in Direct Subsidized and Unsubsidized Loans depends on the grade level and dependency status of the student. Please refer to the Free Application for Federal Student Aid for an explanation of dependency.

Direct Loan Limits		
Dependent	Annual Loan Amount	Aggregate Loan Amount
Freshman (0-29 hrs)	\$5,500 (\$3,500 between subsidized and unsubsidized, plus an additional \$2,000 unsubsidized)	
Sophomore (30-59 hrs)	\$6,500 (\$4,500 between subsidized and unsubsidized, plus an additional \$2,000 unsubsidized)	
Junior or Senior (60 + hrs)	\$7,500 (\$5,500 between subsidized and unsubsidized, plus an additional \$2,000 unsubsidized)	\$31,000 for dependent students excluding those whose parents are unable to borrow a PLUS loan (no more than \$23,000 may be subsidized.)
Direct Loan Limits		
Independent (and dependent students whose parents cannot get a PLUS Loan)	Annual Loan Amount	Aggregate Loan Amount
Freshman (0-29 hrs)	\$9,500 (\$3,500 between subsidized and unsubsidized, plus an additional \$6,000 unsubsidized)	
Sophomore (30-59 hrs)	\$10,500 (\$4,500 between subsidized and unsubsidized, plus an additional \$6,000 unsubsidized)	
Junior or Senior (60 + hrs)	\$12,500 (\$5,500 between subsidized and unsubsidized, plus an additional \$7,000 unsubsidized)	\$57,000 for independent undergraduate students and dependent undergraduates whose parents are unable to borrow a PLUS Loan (no more than \$23,000 may be subsidized)

**Direct Plus Loans**

These loans are unsubsidized loans for the parents of dependent students. PLUS Loans help pay for educational expenses up to the cost of attendance minus all other financial assistance. Interest is charged during all periods at a rate of 7.9%.



**B-On-Time Loan (for Texas residents only)**

The Texas B-On Time Loan program provides eligible Texas students no-interest loans to attend colleges and universities in Texas. Students must complete the Free Application for Federal Student Aid and complete the Recommended high school curriculum to be considered for limited available funding. The maximum amount of the loan is determined by the Texas Higher Education Coordinating Board each year and an allocation is assigned to Baylor. The Student Financial Aid Office will determine eligibility.

**College Access Loan (for Texas residents only)**

The College Access Loan (CAL) Program provides an alternative type of educational loan to Texas students that attend colleges and universities in Texas. Baylor receives an allocation of funding from the Texas Higher Education Coordinating Board each year. Students do not have to demonstrate financial need by completing the Free Application for Federal Student Aid to receive this loan, which may be used to cover all or part of the Expected Family Contribution (EFC). However, students must deduct eligibility for Direct Subsidized and Unsubsidized Loans (even if not planning to pursue a Direct Loan) from the cost of attending Baylor to determine the maximum amount of CAL loan eligibility.

**Baylor Institutional Loan/Baylor Bear Institutional Loan**

Limited funding may be available, as determined by the Student Financial Aid Office. This is a loan of last resort and is not appropriate for all students. The interest on the Baylor Institutional Loan/Baylor Bear Institutional Loan must be paid each year to renew the demand note while attending Baylor University as at least a half time student. This loan has no cancellation or deferment benefits. The maximum repayment period is seven years.

**Other Loans**

A number of students secure loans through private lenders and/or charitable organizations. Students should contact those sources directly. We publish a list of lenders at [baylor.edu/sfs/alternative](http://baylor.edu/sfs/alternative). However, students are not required to select lenders from this list.

**CAMPUS EMPLOYMENT/WORK-STUDY**

Priority for on-campus employment is given to those who qualify for the Federal Work-Study Program. Eligibility is determined from information provided on the FAFSA. Students who are offered a FWS award receive priority to find and accept a job on campus for a limited period of time. After the first three weeks of classes, all students will be able to compete for on-campus positions for the remainder of the academic year.

Work-Study employment is based on job availability, student skills, class schedules and personal interviews. Once eligibility has been determined and class schedules established, the student who wishes to work should review job listings on line at [www.baylor.edu/student\\_employment](http://www.baylor.edu/student_employment).

Earnings depend upon the number of hours worked and the minimum wage rate. On-campus earnings are subject to federal income tax. Students who work under this program are paid bi-weekly.

**FINANCIAL AID APPLICATIONS**

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

If a student requires need-based financial aid, the student should complete the Free Application for Federal Student Aid (FAFSA), which is needed to be evaluated for federal and state need-based aid. This application should be completed after December 31, but preferably before March 1 for priority consideration for the upcoming academic year. The FAFSA should be completed in sufficient time to allow Baylor to receive the results no later than May 1, so that students will be notified of eligibility before invoices for fall charges are mailed. Baylor normally receives results of the FAFSA from the federal processor within seven to ten business days from the date you file the form. The deadline for completion of the aid application process is April 15 of the spring semester (or November 15 if attending only in the fall.) Applicants who do not have all steps (including verification if selected) completed by these dates will not be awarded aid.

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. Summer aid consists of federal grants for those who have eligibility, loans, and on-campus 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 available on the web at [www.baylor.edu/sfs](http://www.baylor.edu/sfs). 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 this office of any reduction in hours.

Some students may receive financial aid packaged together 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 from:

Baylor University  
Student Financial Aid Office  
One Bear Place #97028  
Waco, TX 76798-7028  
254-710-2611 or 1-800-BAYLOR-U  
[www.baylor.edu/sfs](http://www.baylor.edu/sfs)

## FINANCIAL COSTS

Although the exact cost of attending Baylor University will vary according to personal habits, tastes, and financial resources, there are some fees that all students pay. A general estimate for 2012-13 institutional expenses for one semester, including tuition, fees, room, and meals, is \$20,470.73 or \$40,716.46 for nine months.

Due to continually increasing operating costs, Baylor reserves the right to change tuition, fees, deposits, and room and meal rates without notice.

### **TUITION**

Student, per semester (12 or more hours)	\$15,293.00
Student, 11 hours or less per semester hour	1,274.00
Student, guaranteed tuition, per semester (12 hours or more)	16,855.00

### **FEES**

Administrative fee, per term (certain programs only)	100.00
Application fee (non-refundable)	50.00
Applied music fee, per semester for one thirty-minute lesson per week	241.00
Audit fee, per course (if registered for less than 12 hrs.)	241.00

Various additional lab course fees may apply

Change-of-schedule fee (Changes made at student's request after 7th day of class fall/spring or after 3rd day of class in summer)	20.00
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Chapel fee, per semester	65.00
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#### **Commencement charges**

Bachelor's cap and gown, purchase, no return	46.55*
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Duplicate diploma to replace lost original (special order)	25.00*
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Credit by Baylor examination fee, per course	394.00
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#### **General student fee**

Students taking 12 hours or more per semester	1,565.00
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Fewer than 12 hours, per semester hour	131.00
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Identification card replacement fee	15.00
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Installment plan fee (optional per semester) Fall and/or Spring	60.00
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Installment plan fee (optional per semester) Summer	24.00
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Laboratory/course fee, per course (\$50 minimum – charges vary)	50.00
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#### **Late payment fee**

After due date	100.00
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Summer term	50.00
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Late Registration fee	100.00
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Matriculation fee	100.00
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#### **Parking Permit Fees**

##### **All University Parking Permit**

Automobile, annual (September-August)	300.00
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Spring (January-August)	200.00
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Motorcycle, annual (September-August)	50.00
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Spring (January-August)	45.00
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##### **East Campus Parking Permit**

Annual (September-August)	200.00
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Spring (January-August)	150.00
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##### **Ferrell Center Park and Ride Permit (No Summer)**

Annual (September-August)	150.00
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Spring (January-August)	75.00
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Temporary, for seven day period	7.00
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Replacement, any time, return old	15.00
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Returned check fee	25.00
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**DEPOSITS**

Air Force ROTC uniform deposit (new cadet)	\$100.00
Air Force ROTC uniform deposit (after field training/for Junior Year)	100.00
Enrollment deposit (non-refundable, non-transferable deposit paid to assure enrollment place and applied on student's first semester bill)	300.00

**ROOMS AND HOUSING**

Charges are per person, per semester, and are based on bathroom type (community, suite, cover or private).

Traditional Residence Halls (Penland, Martin, Collins, N. or S. Russell)	\$2,482.00
Alexander/Memorial/Allen/Dawson Halls	\$2,644.00-\$3,260.00
Brooks Residential College	\$2,954.00-\$3,554.00
Brooks Village Flats	\$3,739.00-\$4,384.00
The Arbors Apartments	\$2,429.00-\$3,990.00
Fairmont Apartments	\$2,445.00-\$4,189.00
Gables Apartments	\$3,445.00
North Village (Heritage N/S, Texana, University)	\$2,941.00-\$4,384.00
University Place Apartments	\$2,825.00-\$3,210.00

**LIVING AND LEARNING FEES**

Brooks Residential College	65.00
ECS	75.00
ENT	75.00
Fine Arts	75.00
Global	65.00
Honors Residential College	140.00
LEAD	75.00
Outdoor Adventure	350.00
Transfer	25.00

**MEALS**

Residence Hall Dining Halls:

Unlimited	\$2,589.34*
The Works-16 Meal Plan plus \$100.00 Dining Dollars	2,065.82*
The Block 225 plus \$75.00 Dining Dollars	2,074.38*
The Classic-11 Meal Plan plus \$150 Dining Dollars	1,922.05*
The Block 145	1,305.50*
Basic-7 Meal Plan	1,150.70*
Socialite-5 Meal Plan plus \$100.00 Dining Dollars	941.10*
The Block 90 plus \$100 Dining Dollars	909.71*
Light Eater-3 Meal Plan plus \$250 Dining Dollars	704.65*

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

\*8.25% tax included.

**ESTIMATE OF EXPENSES PER SEMESTER (new student)**

Tuition, normal course load of 12 semester hours or more	\$15,293.00
Residence hall room, per person, per semester (Community bath style)	2,482.00
Meals, per semester (The Works - 16 Meal Plan)	2,065.82
General Student fee, per semester	1,565.00
Laboratory/course fee, per course, varies	\$50.00 to \$250.00
Parking Permit fee, per year (applies only to students who bring a vehicle)	300.00
Chapel	65.00

### BearBucks™ vs. Dining Dollars Comparison

BearBucks™	Dining Dollars
Can be purchased at any time. First BearBucks™ purchase \$50.00 minimum and additional purchases of any amount	Sold with Classic, Works, Socialite, Block 225, Block 90 and Light Eater meal plans per semester.
Can be used <b>on-campus</b> at: All Campus Dining Facilities All Laundry Facilities Select Vending Machines Select Copy Machines Baylor Bookstore Mailroom McLane Student Life Center Theater Box Office, etc.	Can be used <b>on-campus</b> at all retail dining locations and residential restaurants.
Can be used <b>off-campus</b> at over 40 locations.	Cannot be used <b>off-campus</b> .
Accessed using Baylor ID card.	Accessed using Baylor ID card.
Unused balance remains in account until used or refunded at graduation or withdrawal from Baylor.	Unused balance remains in account until used or refunded at graduation or withdrawal from Baylor.

For more information, including our updated list of participating merchants, visit [www.baylor.edu/bearbucks](http://www.baylor.edu/bearbucks).

### PAYMENT OF ACCOUNTS

**A student's registration for a semester is not finalized (financially settled) until all expenses are paid or acceptable payment arrangements are made and the student has confirmed his/her intent to the semester billed.**

Several weeks prior to the beginning of a semester, students who have registered for classes will receive an email at their Baylor email address with a link to view that semester's bill. A bill notification will also be emailed to any Authorized Users which the students has designated in the E-Bill system ([www.baylor.edu/ebill](http://www.baylor.edu/ebill)). Payments can be made online from the the E-bill site by electronic check drawn on a checking or savings account, or by credit card. Credit card payments are accepted online only. A convenience fee equal to 2.75 percent of the payment amount (\$3 minimum) will be charged by the third-party payment processor for all online credit card payments. Accepted credit cards are MasterCard, Discover, and American Express.

In addition to making the required payment, the student must confirm attendance in BearWeb indicating that he/she will be attending Baylor for the semester billed. **Attendance must be confirmed even if the student account has zero or credit balance.** Payment and confirmation of attendance must be completed by the due date indicated on the bill. A late payment fee will be charged if payment sufficient to complete financial settlement has not been received by the due date. A student who does not complete financial settlement by the cancellation deadline will have his/her classes cancelled. The financial obligation must be satisfied before the student will be allowed to re-register, move into housing, or attend classes. **Re-registration will be charged the late payment fee and the re-registration fee.** For additional information about financial settlement, visit [www.baylor.edu/sfs/settlement](http://www.baylor.edu/sfs/settlement).

Students who register during the early registration process will receive both a paper bill and an electronic bill. Late registrants will receive only an electric bill due to time constraints. If mailing a payment, fill out the top portion of the bill and return it to the Cashier's Office with the indicated payment. Payments must be **received** by the due date on the bill to avoid a late payment fee (allow 7 to 10 days for mail delivery).

In lieu of full payment, Baylor University offers an installment plan for financial settlement. This plan divides the financial obligation for a semester into five payments (summer divided into two payments) to help Baylor students and their parents manage the costs of education. It is available to undergraduate and graduate students, part-time and full-time. There is a \$60 per semester non-refundable fee for participation in the plan (summer installment fee is \$24). Students who do not pay in full are

automatically enrolled in the installment plan. The minimum amount due listed on the semester bill is the first installment payment and must be received by the due date. Monthly billing notifications are sent electronically to the student's Baylor email address and to the email addresses of any Authorized Users designated by the student in the E-Bill system. Monthly billing statements are available online only and will not be sent by mail. Monthly payments are due at the end of the month in which the bill is made available.

A student registering for the first time in the semester after the financial settlement due date (posted in BearWeb) should either pay in full or make the first installment payment online or in the Cashier's Office **the day after the student registers**. A late payment fee will be charged if payment sufficient to complete financial settlement has not been received by the due date indicated on the E-Bill. Students registering on or after the first class day of a semester will be charged a late registration fee.

Baylor offers a guaranteed tuition option to undergraduate and graduate students. By selecting this option, a student is able to lock in the same tuition rate for four years. The guaranteed tuition option eliminates uncertainty about future tuition increases, allowing students and parents to accurately prepare their educational budgets for four years. More information on this option may be obtained online or from the Baylor Cashier's Office.

Students who are recipients of scholarships from religious institutions, foundations, corporations, individuals, or other organizations outside the University should complete one Outside Scholarship Report Form for each outside scholarship and submit to the Cashier's Office so that the award can be reflected in the student's financial aid award package. Organizations should send scholarship checks to the Cashier's Office, One Bear Place #97048, Waco, TX 76798-7048.

If you have questions about tuition, fees, or financial settlement that are not covered here, visit the Student Financial Services website at [www.baylor.edu/sfs](http://www.baylor.edu/sfs) or contact the Cashier's Office at [Cashiers\\_Office@baylor.edu](mailto:Cashiers_Office@baylor.edu) or (254) 710-2311.

### FINANCIAL AID PRIORITY DATES

Students must complete the Free Application for Federal Student Aid (FAFSA - [www.fafsa.gov](http://www.fafsa.gov)) by the following dates to receive priority and ensure the availability of funding by the time payment is due.

To receive priority for funding (some programs are limited):

Fall and spring semesters	March 1
Spring semester only	October 1

To ensure availability of funding (and receive credit toward bill):

Fall and spring semesters	May 1
Spring semester only	November 1

Respond promptly to requests for additional documentation/clarification received by mail or email (all emails are directed to students' Baylor email accounts.) **Students who file FAFSA after the deadline should be prepared to pay their semester bill from their own resources by the due date.** If eligible for aid, the student may be reimbursed after aid has been credited to the student account. For more information, visit the Student Financial Services website at [www.baylor.edu/sfs](http://www.baylor.edu/sfs).

### FINANCIAL OBLIGATIONS

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

### CANCELLATIONS

A student's cancellation occurs when a student decides not to attend classes for a semester prior to the first class day for that semester. (A student's schedule cannot be cancelled on or after the first day of the semester.) Cancellations and related refund requests must be made in writing, addressed to the Cashier's Office, One Bear Place #97048, Waco, TX 76798-7048 or by email to [Cashiers\\_Office@baylor.edu](mailto:Cashiers_Office@baylor.edu), and 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 has been given an on-campus housing, assignment, Campus Living & Learning, One Bear Place #97076, Waco, TX 76798-7076 must receive a separate written notification. Cancelled courses do not appear on the academic transcript.

### WITHDRAWALS

Beginning the first class day of a semester, students who are financially settled must contact the Paul L. Foster Success Center (PLFSC) in order to withdraw from the University. This department can be reached by emailing [Success\\_Center@baylor.edu](mailto:Success_Center@baylor.edu) or calling (254) 710-8212. Additional contact information is available online at [www.baylor.edu/successcenter/](http://www.baylor.edu/successcenter/).

Under no circumstances does notification to professors or dropping classes constitute an official withdrawal from the University.

The official withdrawal date is established by the student's contact with the Paul L. Foster Success Center. If the student fails to contact the PLFSC and simply stops attending, then 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 mailed to the student at his/her home address on file in BearWeb.

Refunds of tuition and required fees (General Student Fee, Chapel Fee, Laboratory/Course Fees, Administrative Fee and Applied Music Fee) are based on the official 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 withdrawals occurring after 60 percent of the payment period has lapsed.** 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 at [www.baylor.edu/sfs](http://www.baylor.edu/sfs) or contact the Cashier's Office at [Cashiers\\_Office@baylor.edu](mailto:Cashiers_Office@baylor.edu) or (254) 710-2311. Unless specifically noted, other fees are considered non-refundable.

Unused BearBucks™ and Dining Dollars are refunded upon withdrawal.

Meal plan refunds are calculated *pro rata* based on the official withdrawal date. An administrative charge equal to one week of the meal charge for the student's respective meal plan will be assessed.

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 [Financial\\_Aid@baylor.edu](mailto:Financial_Aid@baylor.edu) or (254) 710-2611. Additional contact information is available online at [www.baylor.edu/sfs](http://www.baylor.edu/sfs).

Students residing in campus housing must contact the Campus Living & Learning to obtain information about any applicable housing adjustments and penalties. This department can be reached at [Living\\_Learning@baylor.edu](mailto:Living_Learning@baylor.edu) or by calling (254) 710-3642. Additional information is available online at the [www.baylor.edu/cll](http://www.baylor.edu/cll). Students must follow the proper check-out procedure outlined in the *Guide to Community Living* and must vacate their campus housing within 48 hours of the official withdrawal date.

Dropping a **class** or classes is not considered a withdrawal. The term "withdrawal" refers to dropping all classes after financial settlement through the PLFSC and leaving the University for that semester. Beginning the first class day of each semester, students will not be able to drop their complete class schedule online.

## DROPPING CLASSES BY STUDENT

Students have the option to drop a class prior to or during a semester. Refunds for dropped classes 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.....	none

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 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 course prior to the 15th class day, multiply the 3 dropped hours by 50% (1.5 hours), subtract the 1.5 hours for the dropped course from the original 14 hours, and the student is left with 12.5 billable hours. Since the student retains 12 or more billable hours, the student would continue to be subject to the flat rate tuition.

There would be not refund adjustment for a student charged the flat rate tuition unless the student's billable hours are reduced below 12 as the result of a dropped course. Beginning on the 8th class day,

for fall/spring (3rd class day for summer), a change of course fee will be assessed for all schedule changes. An attempt to drop all scheduled classes for a semester is considered a withdrawal and students must follow the guidelines for a withdrawal addressed above.

**Changes in the number of enrolled hours can affect financial aid eligibility. Contact the Financial Aid Office for information about how dropping a course would affect your financial aid award package.**

## **APPEALS**

Students who believe that they have individual circumstances warranting an exception to published refund policies may appeal the application of the policy. To appeal based on these circumstances, the student should contact the Paul L. Foster Success Center, One Bear Place #97021, Waco, TX 76798-7021, (254) 710-8212, for withdrawal appeals or the Dean's Office having oversight of the class for add/drop appeals.

## **DROPPING AN AUDITED COURSE**

Students who drop an audited course by the fifth (5th) class day (fall/spring) are eligible for a full refund. No refund for an audited course is given after the fifth (5th) class day. Full refunds also apply to students who drop an audited course by the third (3rd) class day for the full summer session, by the second (2nd) class day for summer I and II, and by the first (1st) class day for the minimester. No refunds are given after the designated 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. The student obligations may be financial or non-financial. Financial obligations include: Public Safety traffic fines, Health Center charges, student loan accounts, tuition and fees, or any other financial obligation owed by the student to the University. Non-financial obligations include the University requirements of a student imposed by published written policy or other written requirements including, but not limited to, incomplete processing under the Student Disciplinary or Honor Code Procedures. Release of the transcript and/or a registration block will be authorized only after a financial obligation to the University is paid in full, or satisfactory arrangements are made to comply with other obligations.

# **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 must be registered for and continue to be enrolled in 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 at the discretion of the Director for Student Activities.
2. First-semester students, who meet specific organization qualifications, may join any student organization immediately upon arrival at Baylor University.
  3. Inasmuch as Baylor University adheres to a “deferred rush” philosophy, students who wish to participate in recruitment, rush, intake processes, pledging, or initiation must have completed a minimum of twelve (12) semester hours in residence at Baylor University and have earned and maintain a cumulative grade point average of 2.5. New transfer students may participate in recruitment, rush, intake processes, pledge and/or be initiated if they have accumulated twenty-four (24) or more hours and have a cumulative grade point average of 3.0. A student is classified as a transfer if he or she has attended a college during a fall or spring semester after high school graduation. If the only college work completed is dual credit, a student is not considered a transfer student.
  4. Once enrolled at Baylor, a student will always be evaluated on his/her Baylor transcript in order to determine academic eligibility for active membership. Students must have and maintain a cumulative minimum grade point average of 2.25 and a current minimum grade point average of 2.00 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 2.50 and a current minimum grade point average of 2.00. 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. Once enrolled at Baylor, students will be evaluated on official Baylor transcripts in order to determine eligibility for active membership.
  6. When calculating grades, the summer semester may be used to raise a current grade point average if twelve (12) or more semester hours are completed at Baylor. Anything less than a minimum of twelve (12) semester hours will be computed into the cumulative grade point average. There is no exception made to this grade policy.
  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 by-laws do not prevent graduate student membership. Graduate students wishing to join an organization must be full-time students as defined by the specific program of enrollment.

## **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.

While attending Baylor, a student is expected to obey the laws of the United States, the State of Texas, and municipalities, or, if studying abroad, the laws of other countries. A student also is expected to obey the rules, regulations, and policies established by Baylor University. “Attending” is defined as all persons taking courses at the University, either full-time or part-time, pursuing undergraduate, graduate, or professional studies. Persons who are not officially enrolled for a particular term but who have a continuing relationship with the University or who have been notified of their acceptance for admission are considered to be “attending” the University.

Each student is responsible for learning about and adhering to the Baylor University Student Disciplinary Procedure. The Division of Student Life attempts to ensure that the procedure is communicated to all students through various means. However, the student is responsible to the University for his or her conduct that violates University policies. 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 the appropriate University official.

**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](mailto:registrar@baylor.edu) or (254) 710-1181. Failure to receive University notices because of an incorrect address provided by the student will not relieve the student of responsibility for responding to the notice. Nursing students enrolled on the Dallas campus are requested to report a change of address in the Office for Student Services on the first floor of the Harry W. Bass Memorial Educational Center.

**CAMPUS SAFETY**

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

The Baylor Department of Public Safety 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. Seventy-five emergency call boxes are located on campus with direct access to BDPS, which has a staff of thirty-five, including twenty-three commissioned police officers.

Safety and Security Education Officers (SSEO's) work closely with BDPS and after-hour personnel to ensure the safety and security of our residential communities. SSEO's are on duty between the hours of 11:00 p.m. and 7:00 a.m. These Campus Living & Learning staff members move freely in and around our residential communities and escort students as needed, confront and report unacceptable behavior, check that all exit doors are secure, and alert Baylor police about suspicious behavior.

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 Services & Financial Aid->Advisement->Advisement Contact Information. Any student who needs assistance concerning advising procedures at Baylor should contact the Academic Advisement department in the Paul L. Foster Success Center (phone: (254) 710-7280 or email: [academic\\_advisement\\_office@baylor.edu](mailto:academic_advisement_office@baylor.edu)).

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

**COURSE LOAD**

The normal academic load per semester for undergraduate students is five courses plus activity human performance, Aerospace Studies, applied music, or ensemble. An undergraduate student is considered full time taking twelve semester hours and half time taking six semester hours; 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.

**SUMMER SCHOOL AT BAYLOR**

Maximum credit for students enrolled in the two traditional summer terms is sixteen hours which must be earned in no more than four courses or four courses and activity human performance. Five full courses in these two terms will not be permitted for any reason, whether taken in residence, in correspondence (if correspondence is approved), or by transfer. Students may not earn credit for more than two courses, to which activity human performance may be added, for a maximum of eight hours credit in one term.

For the full two-term summer, the ideal maximum schedule is two courses or two courses and an activity human performance course in each term. Students may also opt to take two full summer semester courses plus one additional course (or one additional course and an activity human performance course) in each term.

For students who enroll in the minimesters offered between the spring semester and the first summer term, a maximum of three additional hours credit may be earned. Thus, students who take the maximum load for all three terms (minimester plus two regular 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 "Enrolling for Classes" (<http://www.baylor.edu/registrar>). Students must be officially enrolled in a course by the seventh class day in order to earn credit in the course.

**Pass-Fail Registration**

With the written permission of the dean of the appropriate academic unit, a student who has earned a "C" average on a minimum of sixteen semester hours may elect one course per term graded on a pass-fail basis. Business school students may not register for pass-fail credit in any course, including activity human performance, required under the B.B.A. degree program. Such courses may be used for elective credit only and for a four-year program may total no more than eighteen semester hours. No course in a student's major or minor field may be taken on a pass-fail basis, even if the requirements in the major field have been fulfilled. In addition to the eighteen hours of electives that may be taken on a pass-fail basis, required activity human performance courses and certain specified one-hour courses in other fields may also be taken pass-fail. These may be taken in addition to the one elective course allowed each semester and do not require special permission.

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.

Repetition of any course must be for a grade, and the grade received the last time the course is taken is the only grade that counts on the student record.

**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. To officially register after receiving written consent, students will bring the approval notice to the Office of the Registrar, 380 Robinson Tower, Monday - Friday, 8 am - 5 pm. The fee for auditing a course can be found in the "Financial Costs" section of the catalog. There is no additional fee for students enrolled in 12 hours or more.

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 conference 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 that 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://schedule.baylor.edu>). 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 course work in residence.

## **POST REGISTRATION CHANGES**

Change in schedules may be made through BearWeb at [www.baylor.edu/BearWeb](http://www.baylor.edu/BearWeb) through the 100 percent refund period. After that time, students must make class schedule changes in the Office of the Registrar (refer to calendar) or through their advisor (see academic calendar for dates). Beginning the 8th class day, a fee will be charged each time a student comes to the office to make changes. Permission from the appropriate dean's office is required to add or register after the seventh class day (fall and spring—refer to summer timelines on calendar). Students may drop classes at their own request through the twentieth class day (fall and spring). After the twentieth class day, students must obtain a change in schedule form signed by the professor of the class who marks whether the student is passing or failing.

### **COURSES DROPPED BY STUDENT**

Students have the option to drop a class prior to or during a semester. Students should review "Before You Drop A Course" under **Academic Goals** on the advising website at [www.baylor.edu/advising](http://www.baylor.edu/advising). Once the term has begun, students should follow these guidelines. If a student drops a course before the end of the twentieth class day of the fall or spring semester, the student is presumed to be passing. After the twentieth class day, the student's standing is determined by the professor. If the student is failing at this time, the final grade is "DF" which is equivalent to "F."

Failure of the student to drop a course officially will result in a grade of "F." A course is not considered officially dropped until the student either drops the class on BearWeb or processes the drop by delivering the signed change in schedule form to the Office of the Registrar. The student must attend class regularly until that time.

Students dropping a nursing course for any reason will be withdrawn from other nursing courses to which the dropped course is a corequisite.

See the Financial Costs section of this catalog for the refund schedule.

### **WITHDRAWALS FROM THE UNIVERSITY**

Withdrawals occur when a student decides to leave the University after classes have begun for a semester. Withdrawals and requests for related refunds must be in writing and addressed to the Paul L. Foster Success Center. 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, who will then notify the Paul L. Foster Success Center on the Waco campus. Any other procedure will lead to failure in all courses for which the student is registered.

When a student withdraws from the University, the grade assigned to each class is based upon the effective date of the withdrawal. Please see the "Academic Calendar" section for the respective grading periods and dates. Tuition refunds for withdrawals are defined under the section on "Expenses".

Students who attended Baylor as non-degree seeking students must reapply for admission and provide appropriate documents in order to be reviewed for possible admission as a degree-seeking student. Students who were provisionally admitted to the University but did not meet the minimum

GPA at the completion of the freshman year must apply for readmission upon completing at least fifteen semester hours at another college or university and achieving a cumulative 2.75 GPA on that work. The student will be responsible for degree requirements and regulations in effect upon reentry to Baylor. This requirement does not apply to students given permission to take courses in summer school elsewhere.

See the Financial Costs section of this catalog for the refund schedule.

### **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, and 2) policies specific to coursework transferred to Baylor post matriculation (meaning after a student has enrolled at Baylor). The policies below are divided into two sections because some of them apply to students only after they have matriculated 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, 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). For more information, visit the "Transfer Credit" link on the Office of the Registrar home page at [www.baylor.edu/registrar](http://www.baylor.edu/registrar).

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 when an audit of the degree plan occurs.

#### **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, although the university urges a much higher number.
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. Course credit will not be given for courses taken at other colleges or universities if a student is concurrently enrolled during that same term at Baylor University. Students enrolled in the Baylor@MCC co-enrollment program are exempt from this policy.
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. Consequently, if a student earns credit for as many as two of the four required English courses before registering as a Baylor student (i.e. pre matriculation), the university strongly recommends that the remaining English credit be earned in residence.
8. In order for pre-matriculation students to receive credit for PSC 2302, they must transfer in equivalents for both PSC 1305 and PSC 1306.

**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 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. Visit the Transfer Credit page on the Registrar's Office website for information on which departments require a Readiness Exam and how to register to complete the exam.
4. No course may be transferred post matriculation that will substitute for PSC 2302.
5. Courses taken in residence may not be repeated at another school for degree credit.

*NOTE: The Texas Common Course Numbering System (TCCNS), as described in the Course Numbering Section of this catalog, will assist in identifying courses at participating Texas colleges and universities that may be equivalent to Baylor courses.*

## CURRICULUM

### 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

ENG 1302 and 1304 should be taken during the freshman year. At least one religion course, REL 1310, should be taken in the first year, followed by the subsequent course, REL 1350, not later than the sophomore year. The same is true for history. Language should be started in the first or second year, not later than the second sophomore semester, and continued without interruption until requirements are fulfilled. 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.

### SEMESTER HOUR

The semester hour is the measure of credit at Baylor University. It is the amount of credit given for the successful completion of one clock hour of class work per week for one semester or an equivalent amount of time scheduled in a different manner. Consequently, a class that meets one hour daily, three days per week for fifteen weeks carries credit for three semester hours. Generally three hours of laboratory or practicum are rated as one semester hour. The credit hours for a given course are indicated by the second digit of the course number. The letter “V” in this position indicates that the course can be taken for a varying number of credit hours.

### 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 semester hours of credit 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 Texas Common Course Numbering System (TCCNS) is included in this catalog to assist students in identifying courses that are equivalent to Baylor courses. An increasing number of colleges in Texas are voluntarily adopting this transfer system which facilitates a smooth transition from one college to another. The TCCNS has a standardized four-letter prefix followed by a four-digit course

number. The first digit of the number reflects the academic level of the course, as follows: 1) freshman; 2) sophomore. The second digit specifies the number of semester hours of credit assigned to the course. The last two digits indicate the sequence in which courses are generally completed. A TCCNS equivalent is listed at the right of a course title preceding the course description.

### **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 twelfth 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 and Counseling Center are available for students who are experiencing difficulties related to class attendance.

### **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 *University Student Handbook*.

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 teacher 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 professor 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 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	Definition	Grade Points	Included in GPA?	Credits Earned?
A	Excellent	4.00	Y	Y
B+	Very Good	3.50	Y	Y
B	Good	3.00	Y	Y
C+	Above Average	2.50	Y	Y
C	Average	2.00	Y	Y
D	Poor	1.00	Y	Y
F	Unsatisfactory	0.00	Y	N
I	Incomplete	n/a	N	N
IP	Incomplete Extension	n/a	N	N
DP	Drop Passing	n/a	N	N
DF	Drop Failing	0.00	Y	N
WP	Withdraw Passing	n/a	N	N
WF	Withdraw Failing	0.00	Y	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. In most courses, the “I” must be removed by the end of the next semester (summer terms included); if the course is not completed by this time, the “I” will automatically be changed to the grade of “F.” However, in some specifically designated courses with an exceptionally heavy reading, research, or project component (e.g., Honors courses), the “I” must be removed within one calendar year from the time at which the “I” was given. If the course is not completed by this time, the “I” will be changed to a grade of “F.” An “I” is not included in hours earned.

**ACADEMIC APPEALS**

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

**COURSE REPETITION**

**Courses taken at Baylor for which the grade is “F” or “D”**

Students may repeat a course if they earned a grade of “F” or “D”. If a course is repeated, it must be repeated at Baylor before a course is taken for which the course in question is a prerequisite. The course cannot be repeated at another school for transfer to Baylor and for use as degree credit. In addition, some departments will allow courses to be repeated only once for credit. Exception to the number of times the course can be taken can be granted by the dean. Repetition of any course must be for a grade, and the grade received the last time the course is taken is the only grade that counts in the student’s GPA.

If a student repeats a course in which the grade is “F” or “D” and receives an incomplete grade the second time that the course is taken, the second course will not count as a repeat until such time that a grade has replaced the incomplete. At that time, the record will be reviewed and the notes and GPA will be adjusted.

Specified majors and minors require a grade of “C” or better in all courses for the field. See school or departmental major/minor requirements for policies governing the repetition of courses in specified academic areas.

**Courses taken at Baylor for which the grade is “C”**

The course may be repeated only if permission is granted by the appropriate academic dean. If such permission is granted, it is governed by the provisions stated under “Courses taken at Baylor for which the grade is ‘F’ or ‘D’.”

**Courses taken at Baylor for which the grade is “B” or higher cannot be repeated.**

**Courses taken in residence, failed or not, may not be repeated at another school for transfer to Baylor.**

**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 Executive Vice President and 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:

Minimum credit earned at Baylor	Cum Laude	Magna Cum Laude	Summa Cum Laude
94	3.75	3.85	3.95
61-93	3.80	3.90	
60	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 warning, academic probation, academic suspension, or academic dismissal.

### **ACADEMIC WARNING**

An Academic Warning may be reported beginning during the sixth week of the semester to a student with low grades, missing tests or assignments, and/or irregular class attendance. Warnings are assigned by the professor in order to alert the student that his or her academic performance is substandard. A student who receives a warning should initiate actions to improve performance. Resources and academic support are available at university and departmental levels. In some cases, a student may elect to drop a course in which a warning is issued. (See Academic Calendar, pages 10-13, for information on grades when dropping.)

### **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 hours or less 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.

### **ACADEMIC SUSPENSION**

If at the end of a probation term the student's term GPA is still below a 2.0, the student will be subject to suspension. However, if at the end of a probation term the student's 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. Following release from probation, if the student's term GPA ever falls again below a 2.0, the student will be subject to 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 noted on the student's permanent 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

In the context of the rigorous academic environment at Baylor, the Paul L. Foster Success Center (PLFSC) provides an environment for all students that is challenging, invigorating, enriching, and supportive. The PLFSC consists of five administrative departments that foster deep engagement in the academic community as well as fulfillment of personal goals and aspirations.

The Office of Academic 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.

The Office of Academic Support Programs offers all students the opportunity to build academic skills through resources including a graded study skills course, topical workshops, academic counseling, tutoring, and Supplemental Instruction sessions. Trained graduate students provide academic mentoring for Summer Studies students and students on academic probation.

The Office of Access and Learning Accommodation provides services and accommodations for students with disabilities in order to enable them to succeed academically.

The Office of Career Counseling provides in-depth, inventory-based career counseling that helps students identify an appropriate major and begin to pursue their career goals. Counselors provide guidance on the choice of the degree program and major that will best suit each student's interests, talents, and future plans.

The Office of Career Services assists students and alumni as they make decisions about their professional goals and job search opportunities. The department partners with students as they search for career options, internship placements, and other professional opportunities. Career Services provides students with services that include job fairs, résumé critiquing, interview preparation, and on-campus interviews.

The PLFSC is located in the Sid Richardson Building; further information may be obtained at <http://www.baylor.edu/successcenter/>.

# 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.

**MAJOR**

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 Services & Financial Aid -> Student Records -> 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. 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.

For a list of secondary majors that have been approved, visit [www.baylor.edu/vpue](http://www.baylor.edu/vpue) and select the Secondary Majors link.

## **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 thirty-hour rule applies to the last year before the professional program is begun.

No exceptions to the thirty-hour regulation will be made for any reason unless the student will have completed greater than half the work at Baylor, in which case the following nonresidence privilege may be granted upon petition in advance:

1. Three hours of elective work, in the last thirty hours, may be taken elsewhere if at least seventy hours will have been earned in residence.
2. Six hours of elective work, in the last thirty, may be taken if at least eighty-five hours will have been earned in residence.
3. A maximum of nine hours of elective work, in the last thirty, may be earned out of residence if at least 100 hours will have been earned in residence.

Advanced placement credit and credit by examination will not be considered as residence credit.

## CHAPEL

University Chapel is the oldest tradition at Baylor. For more than 160 years, Baylor students have gathered to worship together, to engage important issues of our day, and to be inspired by speakers, artists, academicians, and leaders from every vocation. As students worship together, they will be invited into a service that both speaks to where they are and exposes them to the worship tradition of the larger Body of Christ. In addition to worship services, other programs will be offered that not only lift the spirit but also prompt vocational imagination. This kind of collective sacred experience is a critical dimension of a Christian education.

For these reasons, Chapel attendance is a graduation requirement at Baylor University. Credit for Chapel requires attendance of at least three-fourths of all meetings. The Chapel requirement is two semesters 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. **Entering freshman who begin in the fall semester must take Chapel during that semester, including the U1000 program. In this program, students meet for the first six weeks of the semester in a small group with a faculty or staff member. Entering transfer students must also take Chapel during their first semester, including the BU1000 program.** 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" on page 27 of this catalog.)

## ADMISSION TO CANDIDACY

All candidates for degrees should file graduation cards (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 Registration and Academic Records Office. 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. Courses graded pass-fail are not counted in the GPA.

**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, but a student entering for the first time during a summer session will be subject to the catalog requirements for the academic year immediately following the student's first entry.

**REVISIONS TO THIS CATALOG**

To request revisions to this catalog, contact Dr. Wesley Null, Vice Provost for Undergraduate Education, at Wesley\_Null@baylor.edu.

# **College of Arts and Sciences**





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Thomas Ward, M.F.A.

## 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 and Sciences in 1919.

The College has programs leading to the degrees of bachelor of arts, bachelor of science, bachelor of science in aviation sciences, bachelor of science in family and consumer 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 and Sciences is fully accredited by the American Academy of Liberal Education.

### ENDOWED POSITIONS IN THE COLLEGE OF ARTS AND SCIENCES

#### CHAIRS

The Robert A. Welch Chair in Chemistry  
 The Glenn R. Capp Chair in Forensics  
 The Ralph L. and Bessie Mae Lynn Chair in History  
 The Mary Gibbs Jones Endowed Chair in Family & Consumer Sciences  
 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 George W. Truett Chair in Evangelism  
 The Raymond O. Hubler Chair of Ministry Guidance

#### PROFESSORSHIPS

The Cornelia Marschall Smith Professorship in Biology  
 The James R. Schofield Endowed Professorship in Molecular Biology  
 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 J. David Slover Professorship of Ministry Guidance

#### 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 Larry Glenn Pitts 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

**Department of Art**

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The Adrienne Joy Barna Memorial Scholarship

The L. James and Alisa Andras Scholarship

The Kate Bronstein Memorial Scholarship

The Terry L. Brown Memorial Endowed Scholarship

The Erica L. Cummings Scholarship in Art

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 Alfred V., III and Melinda J. Springer Scholarship

The Karl and Shirley Umlauf Endowed Scholarship in Visual Arts

**Department of Biology**

Beta Beta Beta Endowed Scholarship Fund

The Butler Freshman Biology Scholarship

The Kenny Cameron Memorial Endowed Scholarship Fund

The Eugene Crowder Memorial Scholarship in Biology

The Frederick R. Gehlbach Endowed Scholarship

The Jack G. and Norma J. Folmar Scholarship in Biology

The Limnology/Aquatic Ecology Scholarship

The David W. Eldridge Endowed Scholarship

The F. Ray Wilson Endowed Scholarship

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The Dr. Thomas J. Bond, Sr., Scholarship in Chemistry or Biochemistry

\*The B. Reid Clanton Scholarship in Chemistry, Biochemistry, or Pre-Med

The Malcolm Dole Undergraduate Research Scholarship in Chemistry or Biochemistry

The Butler Freshman Chemistry or Biochemistry Scholarship

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

**Institute of Church-State Studies**

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**Department of Classics**

The Downer Memorial Scholarship in Classics

**Department of Communication Sciences and Disorders**

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The James F. and Beverly H. Eberts Scholarship in Speech Pathology and Audiology

Abbey and Ann Elliston Scholarship

Getterman - Communication Sciences and Disorders Scholarship

The Hallie Mae Holman Scholarship in Speech Pathology

The Rhonda Reynolds Scholarship Fund

The Allan Richards Memorial Scholarship

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The John G. Allen Most Improved Debater Scholarship

The Chloe Armstrong Memorial Scholarship in Communication Studies

The Bruce Balengee Debate Leadership Award

The Glenn Capp Freshman Debater Award  
 The Glenn R. Capp Scholarship in Forensics  
 The Glenn R. Capp Debate Scholarship  
 The Jack Dillard Debate Scholarship  
 The Hallie Mae Holman Scholarship in Speech  
 The C. Wayne Huff Debate Scholarship  
 The Kyle Lake Memorial Endowed Scholarship  
 The Jesse Pearson Memorial Film Endowed Scholarship Fund  
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 The Phil E. Teeling Memorial Forensic Scholarship  
 The W.R. and Edna White Scholarship in Speech  
 The Blake Withrow Public Speaker Debate Scholarship  
 The Kyle M. Yates, Sr., Speech Scholarship

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

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 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  
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 The John Clark Jordan Memorial Scholarship in English  
 The John K. Kerr Outstanding English Major Award  
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 The Lois Murray Scholarship in Browning Studies  
 The James and Carol Parker Scholarship  
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 The Dianna Vitanza Scholarship in English  
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 The API Hazardous Wastes Scholarship  
 The Catherine Ross Bolton Memorial Endowed Scholarship Fund  
 The Environmental Studies Fund for Excellence  
 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  
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 The Glasscock Energy Research Endowed Scholarship Fund  
 The Glasscock Restricted Scholarship Fund  
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 The Tony and Donna Robert Endowed Scholarship Fund  
 The C.M. Trautschold Millwork Company Endowed Fund  
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The Wilma Pitts Griffin Scholarship  
The Mary Gibbs Jones Scholarship in Family and Consumer Sciences  
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The Eunice Clark Scaief Memorial Scholarship in Family and Consumer Sciences  
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Dr. James W. Dixon, Jr. Undergraduate Field Assistant Award  
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The Willie S. Foster Memorial Scholarship in Journalism  
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The John R. Kilgore Memorial Scholarship in Journalism  
The David McHam Scholarship in Journalism  
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The William M. Moore and Joanne Moore Scholarship  
The Harry and Frances Provence Scholarship in Journalism  
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The Taylor Publishing Scholarship  
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 The Association of the United States Army Scholarship  
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The Hanson Family Ministerial Scholarship

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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

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 The Weldon R. Jones Academic Scholarship in Religion  
 The Sallie Speight Kendall Scholarship  
 The Mathis–Crouch Scholarship in Church Vocations  
 The Mayfield Family Ministerial Scholarship  
 The McAdams Foundation Ministerial Scholarship  
 The Charles H. and Eunice K. McDougale Endowed Ministry Scholarship  
 The William George and Flora M. McElroy Scholarship in Religion  
 The McGhee Memorial Scholarship in Religion  
 The Sibyl T. McGehee Memorial Ministerial Scholarship  
 The J.M. McKellar Scholarship in Religion  
 The Wallace D. McLachlan Memorial Scholarship in Religion  
 The Ruth and Lawrance McMillan Memorial Scholarship in Ministry, Music Ministry,  
 Music, or Other Church-Related Vocations  
 The Ministerial Student Scholarship in Religion  
 The Ministerial Student Scholarship  
 The James and Gertrude Mixson Scholarship in Religion  
 The 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. Tolbert Scholarship in Sociology

### **Department of Theatre Arts**

The Baylor Theatre-Drama Scholarship  
 The Baylor University Theatre Student Society Endowed Scholarship  
 The Bill and Ann Stokes Endowed Scholarship Fund in Theatre Arts  
 The Dottie Williams Box Endowed Scholarship  
 The Margaret Cannon Boyce Brown Scholarship in Theatre Arts  
 The Bill G. Cook Endowed Scholarship  
 The Patricia W. Cook Endowed Scholarship  
 The Bill Cosby Performing Arts Scholarship  
 The Katherine Day Huskerson Memorial Endowed Scholarship  
 The Michael and Wendy Jenkins 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  
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

### **Miscellaneous**

The Hoyt T. Andres Family Endowed Scholarship  
The College of Arts and Sciences Scholarship  
The B. Baker, Jr., Endowed Scholarship Fund  
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 Captain Larry G. Pitts Memorial 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 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 predental honor society which encourages scholarship and service among its members and provides a broad range of services and activities to the larger premedical/predental community and the Premedical/Predental 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.

**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.

**Delta Phi Alpha**

Delta Phi Alpha is a national German honorary society for advanced students who have completed a course at the “3000” or “4000” level, who have a cumulative GPA of at least 3.0, and a GPA in German of at least 3.5.

**Eta Sigma Phi**

Eta Sigma Phi is the national honor society that recognizes excellence in Latin and Greek. The goal of the organization is to promote awareness of the classical tradition and to encourage students to strive for excellence in these languages. Initiates must have a cumulative GPA of at least 3.0 and a GPA of 3.25 or above in classics courses.

**Kappa Omicron Nu**

Kappa Omicron Nu is a national honor society in family and consumer sciences, which has been on campus since 1972. Family and consumer sciences majors are eligible after completing twelve hours in family and consumer sciences 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.

**Kappa Tau Alpha**

The purpose of Kappa Tau Alpha is the recognition and encouragement of high scholarship and professional standards among students of journalism in the better 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 178 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 studies 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 studies faculty and students; and to explore options for graduate education in communication studies. 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 studies 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.

**Nu Rho Psi**

Nu Rho Psi is a national honor society in neuroscience which seeks to encourage professional interest and excellence in scholarship, award recognition to students who have achieved such excellence in scholarship, advance neuroscience as a scientific discipline, encourage meaningful interaction between students and faculty, promote career development in neuroscience and related fields, and increase public awareness of neuroscience and its benefits for the individual and society. Sophomores and upperclassmen with a minimum of nine hours completed in neuroscience, a GPA of 3.5 in neuroscience, and an overall GPA of 3.2 are eligible for membership.

**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 and 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 French honorary society, 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.

### **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, African 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**

### **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 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.

### **American 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.

### **American Society of Interior Designers (ASID)**

This organization is the student group of the professional association of the same name. Membership is open to interior design majors; meetings are held monthly. ASID student members participate in a wide range of learning experiences and stimulating programs that complement their academic training. The organization provides opportunities for networking with professionals in the field.

### **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.

**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 Forensic Society**

To give students the opportunity to learn more about possible careers from guest speakers and faculty, to meet other forensic science students through hands-on experience, and give the students an opportunity to participate in community service projects, social events, and fund-raisers.

**Baylor Geological Society**

The Baylor Geological Society is responsible for freshman level field trips and field trips for various professional organizations.

**Baylor Association of Family and Consumer Sciences (BAFCS)**

BAFCS is a professional group composed of family and consumer sciences majors and minors. The organization promotes pride in family and consumer sciences professions, provides opportunities for development of leadership, enables members to network with practicing professionals, and initiates membership in family and consumer sciences organizations. BAFCS is affiliated with the American and Texas Associations of Family and Consumer Sciences.

**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 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 photographic interest 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 photo labs, participate in print 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 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 Dietetic Association and the American Dietetic Association.

**Baylor University Student Chapter of the American Society of Interior Design (BUASID)**

The Baylor University Student Chapter of the American Society of Interior Designers (ASID) is a professional organization for interior design majors that focuses on design education, professional networking and growth, community involvement, and service. Meetings are held once a month

featuring guest speakers such as practitioners representing various areas of design field or industry representatives. On-site tours of public spaces of interest are also meeting venues. Members also gather for a back to school welcome party in the fall, Christmas brunch, and senior lunch celebration in May. Participation in fundraising events and service projects are required activities. Members participate annually in the Texas Association of ASID student conferences and design competitions.

### **Biophilia**

This organization is open to all students interested in biology and the life sciences regardless of major. The purpose of Biophilia's informal bi-monthly meetings is to foster an increase of interest and knowledge in the biological sciences while enhancing fellowship between and among Baylor University undergraduates, graduate students, faculty and staff. Activities include seminars by on-campus and off-campus speakers, journal club, off-campus field excursions, community outreach programs, social gatherings, and mentoring programs.

### **Child and Family Studies Group**

The Child and Family Studies Group is open to child and family studies majors and anyone interested in issues affecting young children and families. The group meets monthly to provide a program and/or guest speakers on topics relating to concerns and needs of families and children and to explore career options in this area.

### **Baylor Apparel Professionals**

Baylor Apparel Professionals is the organization for fashion design and 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 sponsors two field experiences a year to the Dallas market.

### **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 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.

### **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.

### **Literary Club**

Designed to aid the pre-professional student and the liberal arts major, the Literary Club 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.

### **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**

The National Association of Black Journalist (NABJ) 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**

The National Association of Hispanic Journalists (NAHJ) is the student chapter of a national organization.

**National Student Speech, Hearing and Language Association (NSSHLA)**

The Baylor Chapter of the National Student Speech, Hearing and Language Association (NSSHLA) 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, NSSHLA 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.

**The Public Relations Student Society of America**

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.

**Silver Wings Society (SWS)**

The SWS is a national, coed, professional organization dedicated to promoting the Air Force on campus, while contributing to the Baylor and Waco communities through various service projects. SWS serves the community through the Red Cross, VA Hospital, Adopt-A-Highway Program, Big Brothers/Big Sisters, as well as participating in Steppin' Out every semester with Baylor. This organization is open to all students and members do not have to join the Air Force ROTC.

**Society of Professional Journalists**

The Society of Professional Journalists (SPJ) is the student chapter of a national organization of more than 13,000 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.

**Women in Communicational, Inc.**

Student Chapter of National Organization of Professional Women Communicators.

DEGREES AND REQUIREMENTS

Undergraduate Programs

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

Majors

BACHELOR OF ARTS

- American Studies

Anthropology

Apparel Design and Product Development

Apparel Merchandising

Art History

Asian Studies

Astronomy

Astrophysics

Biblical and Related Languages

Biochemistry

Biology

Chemistry

Child and Family Studies

Classics

Communication Sciences and Disorders

Communication Specialist

Computer Science

Earth Science

Economics

English

Environmental Studies

Family and Consumer Sciences:  
Teacher Certification

Film and Digital Media

Forestry\*

French

General Family and Consumer Sciences

Geography
- German

Great Texts of the Western Tradition

Greek

History

Interior Design

International Studies

Journalism

Language and Linguistics

Latin

Latin American Studies

Mathematics

Medical Humanities

Music

Nutrition Sciences

Philosophy

Physics

Political Science

Professional Writing

Psychology

Religion

Russian

Slavic and East European Studies

Sociology

Spanish

Speech Communication

Studio Art

Theatre Arts

University Scholars

BACHELOR OF SCIENCE

- Anthropology

Applied Mathematics

Astronomy

Astrophysics

Biochemistry

Biology

Chemistry

Clinical Laboratory Science\*

Economics

Environmental Health Science

Environmental Science
- Environmental Studies

Forestry\*

Geology

Geophysics

Mathematics

Neuroscience

Nutrition Sciences

Physics

Psychology

Statistics

\*interuniversity programs

BACHELOR OF FINE ARTS

- Theatre Design and Technology

Theatre Performance

Theatre Studies

Studio Art

BACHELOR OF SCIENCE IN AVIATION SCIENCES

- Aviation Sciences

**BACHELOR OF SCIENCE IN FAMILY AND CONSUMER SCIENCES**

Apparel Design and Product Development	General Family and Consumer Sciences
Apparel Merchandising	Interior Design
Child and Family Studies	Nutrition Sciences
Family and Consumer Sciences:	
Teacher Certification	

**Secondary Majors**

Biology	Greek
Classics	Journalism
Communication Specialist	Latin
Communication Studies	Mathematics
Film and Digital Media	Philosophy
French	Russian
German	Spanish

**Minors**

American Studies	German
Anthropology	Gerontology (School of Social Work)
Apparel Merchandising	Great Texts of the Western Tradition (Honors College)
Arabic	Greek
Art History	History
Asian Studies	Italian
Astronomy	Japanese
Astrophysics	Latin
Aviation Science	Latin American Studies
Biochemistry	Leadership Studies (School of Education)
Biology	Linguistics
Business Administration (School of Business)	Mathematics
Chemistry	Mathematics Education (School of Education)
Child and Family Studies	Media Management
Chinese	Medical Humanities
Church Music (School of Music)	Middle East Studies
Classics	Museum Studies
Communication Science and Disorders	Music (School of Music)
Community Health (School of Education)	News Editorial
Computer Science (School of Engineering and Computer Science)	Nonprofit Studies (School of Business)
Corporate Communication	Nutrition Sciences
Creative Writing	Philosophy
Criminal Justice	Photojournalism
Dance (School of Education)	Physics
Earth Science	Political Science
Economics (School of Business)	Poverty Studies and Social Justice (School of Social Work)
Educational Psychology (School of Education)	Public Relations
Engineering (School of Engineering and Computer Science)	Recreation Ministry
English	Religion
Entrepreneurship (School of Business)	Religion, Politics, and Society
Environmental Studies	Rhetoric and Argumentation
Family Studies	Russian
Film and Digital Media	Science (School of Education)
Forensic Science	Sign Language Interpreting
French	Sociology
Gender Studies	Spanish
General Family and Consumer Sciences	Statistics
Geography	Studio Arts
Geology	World Affairs

## Graduate Programs in the College of Arts and Sciences

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

### I. MASTER OF ARTS

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

*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	Nutrition Sciences
Computer Science	Physics
Environmental Biology	Statistics
Environmental Science	

### III. PROFESSIONAL DEGREES

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

### IV. JOINT DEGREE

- Juris Doctor/Master of Public Policy and Administration
- Master of Science (Computer Science/Master of Business Administration)

### VI. DOCTOR OF PHILOSOPHY

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

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

## Degree Requirements

### GENERAL REGULATIONS FOR THE COLLEGE OF ARTS AND SCIENCES

Certain regulations are common to all of the undergraduate degrees conferred by the College of Arts and 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 including the last thirty hours.  
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 should take writing courses early in their academic careers. ENG 1302 must be included in the first sixty semester hours of college work. Students with more than 60 hours who have not taken ENG 1304 must take either a special section of ENG 1304 for upperclassmen or ENG 3300. Students majoring in the sciences may elect to take ENG 3300 instead of ENG 1304. If a student takes ENG 3300 rather than ENG 1304 to fulfill the general education requirements, the course will not count toward either the B.A. in English major nor the English minor.
6. 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. 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 Foreign Languages or Classics) to determine the appropriate level at which to begin foreign language courses at Baylor.
  - d. The Spanish alternatives for the third and fourth level courses are SPA 2311 or 2312, which can be substituted for SPA 2310, and SPA 2321 or 2322, which can be substituted for SPA 2320. FRE/GER/JPN 2312 can be substituted for FRE/GER/JPN 2310.
7. PSC 2302: If both PSC 1305 and 1306 are transferred from another institution prior to admission to Baylor University, those courses may be substituted for PSC 2302 if the major is not Political Science.
8. Teacher Certification: Students seeking teacher certification should contact the School of Education for complete requirements.
9. Human Performance:
  - a. To be completed, if possible, during the first consecutive semesters.
  - b. 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). One hour of CCS 1100 may substitute for one semester of HP on the B.A., B.F.A., B.S., B.S.F.C.S., and B.S.A.S. degrees.
  - c. 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.
  - d. A maximum of four activity courses may be counted on a degree program.
  - e. HED 1145 will not apply as an activity HP alternative for students who have completed BIC 1212.

- f. For further information see the Division of Nonmajor Human Performance in the School of Education 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 and 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 and 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 and 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.
  - 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 human performance (activity) and (b) ten hours of applied music and/or ensemble.



## BACHELOR OF ARTS

- I. Minimum requirement ..... 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 in the major for work done at Baylor.
- IV. Basic requirements ..... 64 to 77 hrs.
  - A. ENG 1302 or FAS 1302, ENG 1304 (or 3300 for science majors or three courses from FAS 1118, 1128, 1138), and 2301, plus one of the following: 2304 or 2306 or 3 hours of “2000” level or above GTX ..... 12 hrs.
  - B. REL 1310 and (REL 1350 or FAS 1308); or 6 hours from REL 1211, 1221, 1231 ..... 6 hrs.
  - C. MTH 1301, 1304\*, 1321, or STA 1380 ..... 3 hrs.  
*\*MTH 1304 is intended only for students who plan to take MTH 1321.*
  - D. Fine Arts ..... 6 to 9 hrs.
    - 1. One course from each of three areas:  
 ART 1300, 2302, or 2303.  
 CLA 3380.  
 FAS 1306 or three courses from FAS 1116, 1126, 1136  
 FCS 3313, 4313.  
 JOU 1303 or FDM 1303.  
*Note: Credit not allowed for both JOU 1303 and FDM 1303.*  
 MUS 1220, 3322, 3323.  
 CSS 1301, 1302, 1304.  
 THEA 1206, 2374.
    - 2. Applied courses may not be substituted.
  - E. Foreign Language\* ..... 3 to 14 hrs.  
 To be fulfilled with one of the following combinations:
    - 1. Complete one Modern or Classical language through 2320 level.  
 Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, and Swahili may be used.  
 [1401 (1301) and 1402 (1302)] or 1412, 2310, and 2320.
    - 2. Complete two Classical languages through 1302 or 1402 level.  
 Two languages from Latin, Greek, and Hebrew may be used. (If available, the following Biblical and Related Languages may be used: Akkadian, Aramaic, Syriac, Ugaritic.)  
*\*It is strongly recommended that the language requirement be started during the first year of residence work.*
  - F. Laboratory Science
    - Three courses, each from a different group, ..... 12 hrs.
    - 1. BIO 1401, 1403, 1305-1105, or 1306-1106, or GEO 1401\*, 1402, 1403\*, 1405\*, 1406, or 1408, or NSC 1306-1106.  
*\*Credit will be allowed for only one of the following courses: GEO 1401 or 1403 or 1405*
    - 2. CHE 1300-1100, 1301-1101, 1302-1102, 1341-1146, 1405, or PHY 1404, 1405, 1407, 1408, 1420, or 1455.\*  
*\*Credit will be allowed for only one of the following courses: CHE 1405 or 1301-1101 or 1300-1100.*
    - 3. A third four-hour course from those listed above, or others from the fields of biology, chemistry, geology, physics; or ANT 1404; or ENV 1301-1101 or 1303-1103; or FAS 1407.
  - G. Social Science ..... 18 hrs.
    - 1. PSC 2302 ..... 3 hrs.
    - 2. HIS\* 1305, 1307, 2365, 2366, or FAS 1304 ..... 6 hrs.  
*\*The department recommends that students take HIS 1305 and 1307 or HIS 2365 and 2366.*
    - 3. Three hours from each of three of the following fields ..... 9 hrs.
      - a. ANT 1305, 2302, or 3301.
      - b. ECO 1305, 2306, or 2307.
      - c. FAS 1303 or 1305 or three courses from FAS 1115, 1125, 1135
      - d. GEOG 1300.
      - e. HON 3100, 3101, 3200, and 3201 (for Honors Program students only, at least two must be taken).
      - f. PHI 1306, 1307, 1308, 1321, 3301, 3310, 3312, or 3322 (for art majors).
      - g. PSC 1305 or 1306.
      - h. PSY 1305.
      - i. SOC 1305 or three courses from SOC 1105, 1106, 1107.

- H. Human Performance, four activity courses ..... 4 hrs. minimum
- I. Chapel—two semesters.....no credit
- 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 human performance (activity), and (2) ten hours of applied music and/or ensemble.
- IX. Additional information on the requirements for advanced credit, residence, language, a specified comprehensive examination, chapel, minimum grade point average, maximum credit, human performance, and majors and minors is listed under the “General Regulations for the College of Arts and Sciences” and “General University Regulations.”

BACHELOR OF SCIENCE

- I. Minimum requirement ..... 124 sem. hrs.
- II. Basic requirements ..... 68 to 79 hrs.
  - A. ENG 1302 or FAS 1302; ENG 1304 or 3300 or three courses from FAS 1118, 1128, 1138, and 2301; plus one of the following:
    - 2304 or 2306 or 3 hours of “2000” level or above GTX .....12 hrs.
  - B. REL 1310 and (REL 1350 or FAS 1308); or 6 hours from REL 1211, 1221, 1231.....6 hrs.
  - C. Mathematics and Science.....34 hrs.
    - 1. Mathematics.....6 hrs.  
MTH 1321 and three additional semester hours of Mathematics (MTH) or Statistics (STA) courses for which calculus (MTH 1321) serves as a prerequisite.
    - 2. Laboratory Science ..... 8 hrs.  
Eight semester hours of laboratory science courses with appropriate labs.
    - 3. Additional Mathematics and Science.....20 hrs.  
Twenty semester hours of additional courses from Biology, Chemistry, Environmental Studies, Geology, Physics, Psychology, Mathematics, Neuroscience, and Statistics.
  - D. Foreign Language\* .....3 to 14 hrs.  
To be fulfilled with one of the following combinations:
    - 1. Complete one Modern or Classical language through 2320 level.  
Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, and Swahili may be used.  
[1401 (1301) and 1402 (1302)] or 1412, 2310, and 2320.
    - 2. Complete two Classical languages through 1302 or 1402 level.  
Two languages from Latin, Greek, and Hebrew may be used. (If available, the following Biblical and Related Languages may be used: Akkadian, Aramaic, Syriac, Ugaritic.)  
*\*It is strongly recommended that the language requirement be started during the first year of residence work.*
  - E. History and/or social science\* .....6 hrs.  
*\*Courses from the following departments may be used to fulfill this requirement: anthropology, economics (except for the Economics major), history, honors, philosophy, political science (except PSC 2302), psychology (except for lab courses), sociology, GEOG 1300, and FAS 1303 or 1304 or 1305 or three courses from FAS 1115, 1125, 1135.*
  - F. PSC 2302 .....3 hrs.
  - G. Human Performance, four activity courses..... 4 hrs. minimum
  - H. Chapel—two semesters.....no credit
- III. Major – The list of majors for this degree is included in the section of this catalog on Undergraduate Programs; see departmental sections for specific requirements.
- IV. Advanced work (“3000” or “4000” numbered courses) minimum .....36 hrs.
- V. The requirements for advanced credit, residence, language, a specified comprehensive examination, Chapel, minimum grade point average, maximum credit, and human performance 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 and Sciences” and “General University Regulations.”

## BACHELOR OF FINE ARTS

- I. Minimum requirements ..... 124 sem. hrs.
- II. Basic requirements ..... 41 to 52 hrs.
  - A. ENG 1302 or FAS 1302; ENG 1304 or three courses from FAS 1118, 1128, 1138; plus one of the following:
    - 2301, 2304, 2306, or 3 hours of “2000” level or above GTX ..... 9 hrs.
    - B. REL 1310 and (REL 1350 or FAS 1308); or 6 hours from REL 1211, 1221, 1231 ..... 6 hrs.
  - C. Fine Arts ..... 4 to 5 hrs.
    - 1. Theatre arts majors must take two courses from: (ART 1300 or 1310) and MUS 1220.
    - 2. Art majors must take two courses from: MUS 1220, (CSS 1301 or 1302), and THEA 1206.
  - D. Foreign Language ..... 3 to 11 hrs.
    - 1. Theatre arts majors are required to take one language through 2310 level.
    - 2. Art majors are required to take one language through the 2310 level.
  - E. Laboratory Science ..... 8 hrs.
    - 1. Theatre arts majors must complete two courses in any laboratory science. (FAS 1407 will apply.)
    - 2. Art majors must complete two courses in laboratory science approved for the bachelor of arts degree. (FAS 1407 will apply.)
  - F. Social Science ..... 6 hrs.
    - 1. Theatre arts majors must take six hours total from: ANT 1305, 3301; ECO 1305 or 2306; PHI 1308, 1321, 3322; PSC 1305, 1306; PSY 1305; SOC 1305 or three courses from SOC 1105, 1106, 1107; HIS 1305, 1307, 2365, 2366; FAS 1303 or 1304 or 1305 or three courses from FAS 1115, 1125, 1135.
    - 2. Art majors must take six hours total. (FAS 1303 or 1304 or 1305 or three courses from FAS 1115, 1125, 1135 will apply.)
  - G. PSC 2302 ..... 3 hrs.
  - H. Human Performance, two to four activity courses ..... 2 to 4 hrs. minimum
    - 1. Theatre arts majors may substitute THEA 2298 and 2299 for the two required activity courses.
    - 2. Art majors must take four activity courses.
  - I. Chapel—two semesters ..... no credit
  - J. Electives ..... 0 to 12 hrs., depending on major
- III. A major in Theatre arts (performance or design) or art (studio art). See the appropriate departmental section for specific requirements.
- IV. Advanced work (“3000” or “4000” numbered courses) minimum ..... 36 hrs.
- V. The requirements for advanced credit, residence, a specified comprehensive examination, Chapel, minimum grade point average, and maximum credit are the same as for the bachelor of arts degree. Additional information about these requirements is listed under the “General Regulations for the College of Arts and Sciences” and “General University Regulations.”

## BACHELOR OF SCIENCE IN AVIATION SCIENCES

- I. Minimum requirement ..... 124 sem. hrs.
- II. Basic requirements ..... 40 to 45 hrs.
  - A. ENG 1302 or FAS 1302; ENG 2301, 3300; and (2306 or 3 hours of “2000” level or above GTX) ..... 12 hrs.
  - B. Foreign Language (one language through second semester or above) ..... 3 to 8 hrs.
  - C. PSC 2302 ..... 3 hrs.
  - D. REL 1310 and (REL 1350 or FAS 1308); or 6 hours from REL 1211, 1221, 1231 ..... 6 hrs.
  - E. PSY 1305 ..... 3 hrs.
  - F. HIS 1305 and 1307 ..... 6 hrs.
  - G. CSS 1301 or 1302 ..... 3 hrs.
  - H. Human Performance, four activity courses ..... 4 hrs.
  - I. Chapel—two semesters ..... no credit
- III. Major – see Institute for Air Science in the interdisciplinary section for specific requirements for aviation sciences major.
- IV. Advanced work (“3000” or “4000” numbered courses) minimum ..... 36 hrs.
- V. The requirements for advanced credit, residence, chapel, minimum grade point average, maximum

credit, and human performance 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 and Sciences” and “General University Regulations.”

# BACHELOR OF SCIENCE IN FAMILY AND CONSUMER SCIENCES

- I. Minimum requirement ..... 124 sem. hrs.
- II. Basic requirements ..... 49 to 62 hrs.
  - A. ENG 1302 or FAS 1302; ENG 1304 or 3300; or three courses from FAS 1118, 1128, 1138, and 2301, plus one of the following:  
ENG 2304 or 2306 or 3 hours of “2000” level or above GTX ..... 12 hrs.  
Family and Consumer Sciences: Teacher Certification majors must take 1304 rather than 3300.
  - B. REL 1310 and (REL 1350 or FAS 1308); or 6 hours from REL 1211, 1221, 1231..... 6 hrs.
  - C. MTH 1301, 1304\*, 1321, or STA 1380 ..... 3 hrs.  
Nutrition Sciences majors must take STA 1380. Family and Consumer Sciences: Teacher Certification majors must take MTH 1304 or 1315 or 1321.  
*\*MTH 1304 is intended only for students who plan to take MTH 1321. Note: Petition required for teacher certification students to count MATH 1315 for basic mathematics requirement.*
  - D. Foreign Language\* ..... 3 to 14 hrs.  
To be fulfilled with one of the following combinations:
    1. Complete one Modern or Classical language through 2320 level.  
Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, and Swahili may be used.  
[1401 (1301) and 1402 (1302)] or 1412, 2310, and 2320.
    2. Complete two Classical languages through 1302 or 1402 level.  
Two languages from Latin, Greek, and Hebrew may be used. (If available, the following Biblical and Related Languages may be used: Akkadian, Aramaic, Syriac, Ugaritic.)  
*\*It is strongly recommended that the language requirement be started during the first year of residence work.*
  - E. History and/or Social Science ..... 6 hrs.  
Apparel Merchandising and Apparel Design and Product Development majors must take ECO 1305. (FAS 1303 or 1304 or 1305 or three courses from FAS 1115, 1125, 1135 will apply).  
Family and Consumer Sciences: Teacher Certification majors must take HIS 2365. (FAS 1303 or 1304 or 1305 or three courses from FAS 1115, 1125, 1135 will apply.)  
Nutrition Sciences majors must take three hours of psychology and SOC 3305.
  - F. PSC 2302 ..... 3 hrs.
  - G. Laboratory Science ..... 12 hrs.
    1. Nutrition Sciences majors must take BIO 1305, 1105, 1306, 1402, 2401, 2402, CHE 1301, 1101, 1302, 1102, 1341, 1146 and 3341.
    2. All other majors must take CHE 1405 plus eight additional hours of a laboratory science. (FAS 1407 will apply.)
  - H. Human Performance, four activity courses..... 4 hrs. minimum  
I. Chapel—two semesters.....no credit
- III. Major – see the section in this catalog on degrees offered for a list of majors for this degree; see departmental section for specific requirements.
- IV. Advanced work (“3000” or “4000” numbered courses) minimum ..... 36 hrs.
- V. The requirements for advanced credit, residence, language, a specified comprehensive examination, chapel, minimum grade point average, maximum credit, and human performance 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 and Sciences” and “General University Regulations.”

## ACADEMIC DEPARTMENTS

### AEROSPACE STUDIES

The United States Air Force Reserve Officer Training Corps provides the men and women of Baylor University with the education necessary to develop the skills and attitudes vital to professional Air Force officers.

Enrollment in either the General Military Course (first two years) or the Professional Officer Course (last two years) is voluntary for eligible male and female students. Enrollment in the General Military Course does not obligate students for military service.

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

Students enrolled in aerospace studies, as members of the cadet corps, attend both classroom and laboratory sessions. The laboratory classes are designed as management practicums for students to gain experience in leadership positions and better understand the operational positions of responsibility in the cadet corps, and for selecting General Military Course students for enrollment in the Professional Officer Course.

Students who are not pursuing a career as an Air Force officer may also take AFROTC courses for credit.

The following paragraphs give a brief description of the options available to male and female students.

**Leadership Laboratory:** The AS 1111, 1112, 2111, 2112, 3111, 3112, 4111, and 4112 classes are collectively referred to as the Leadership Laboratory (LLAB) which is required of any student pursuing a commission in the Air 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 the life and work of an Air Force commissioned officer. Physical training and fitness evaluations are also included as well as field trips to Air Force installations throughout the United States when funding permits. Attendance at a twice-weekly physical training (PT) session is required and considered part of LLAB so students who successfully complete LLAB may be exempted from the normal human performance requirements for some baccalaureate degree programs. Students must attend at least 80% of required PT sessions to successfully pass LLAB in addition to the normal 80% LLAB class attendance requirement that averages two hours per week throughout a student's entire enrollment in AFROTC.

**General Military Course:** The AS 1101, 1102, 2101, and 2102 classes are collectively referred to as the General Military Course (GMC) which is intended to acquaint students with Air Force organizations, missions, functions, history, and career opportunities. The classes do not incur a military service obligation and are normally completed sequentially over the first 2 years of undergraduate studies; however, the fall semester (i.e., AS 1101 and AS 2101) and spring semester (i.e., AS 1102 and 2102) courses can be taken concurrently if a student doesn't start AFROTC during their first semester of undergraduate studies. Upon selection by the Air Force, the GMS culminates in a 4-week, off campus training course called field training whereas successful completion enables students to enroll in the Professional Officer Course.

**Field Training:** Eligible students compete, on a nationwide basis, to attend field training during the summer months at Maxwell Air Force Base, Alabama. Students usually compete for a field training enrollment allocation in the spring of their sophomore year and attend field training that summer. Field training expenses are paid by the Air Force and successful completion of field training enables students to enroll in the Professional Officer Course.

**Professional Officer Course:** The AS 3301, 3302, 4301, and 4302 classes are collectively referred to as the Professional Officer Course (POC) which is intended to prepare students to be second lieutenants in the Air Force through the study of leadership, professional development, communication skills, national security affairs, and preparation for active duty. As students enrolled in the POC are voluntarily obligated to at least 4 years of active military service, they are entitled to a monthly subsistence allowance, new uniforms, and certain other benefits. Upon successfully completing a baccalaureate degree, a POC student is appointed as a commissioned officer and enters extended active duty (i.e., full-time military service) within 365 days of their commissioning date.

**AFROTC College Scholarship Program:** Students with at least 3 years of undergraduate studies

remaining are eligible to compete, on a nationwide basis, for AFROTC scholarships. Students selected for AFROTC, in-college scholarships are required to voluntarily obligate to serving at least 4 years of active military service and are provided funds for tuition, books, and fees plus a monthly subsistence allowance for the period of the scholarship. More detailed information about the Air Force ROTC scholarship program can be found at [www.afrotc.com](http://www.afrotc.com) or by contacting the Department of Aerospace Studies. The department is located in Suite 100 of the Speight Plaza Building and Parking Garage.

## AMERICAN STUDIES

(See Intrauniversity Programs.)

## ANTHROPOLOGY

### ANTHROPOLOGY

#### B.A. Degree

##### Requirements for a Major in Anthropology

Thirty semester hours including the following:

- A. ANT 2304, 2305, 2307, and 3402.
- B. Six semester hours from ANT 4680, 4V15, 4V16 (summer field work or original research).
- C. Six semester hours of “3000-4000” level ANT and/or ARC electives (in addition to the specific required courses for the major.)
- D. Five semester hours of additional ANT and/or ARC electives (for minimum of thirty semester hours in the major).

**Professional anthropologist.** The student who pursues the anthropology major will be prepared to enter graduate study 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

A minimum of thirty-six semester hours including the following:

- A. ANT 2304, 2305, ANT/ARC 2307
- B. ANT/FORS 3331
- C. A minimum of three semester hours from each of the following:
  1. Physical: ANT 4314, 4316, 4335, 4355 (for general anthropology concentration), 4365
  2. Archaeology: ANT 2401, 3307, 3401, 4340, 4348, 4380
  3. Cultural: ANT 3301, 3320, 4305, 4306, 4311, 4321, 4325, 4330, 4362
- D. Six semester hours from ANT 4680, 4V15, 4V16 (summer field work or original research).
- E.
  1. For students pursuing a Concentration in General Anthropology: An additional nine semester hours from any 3000 or 4000 level courses in ANT and/or ARC.
  2. For students pursuing a Concentration in Forensic Anthropology: FORS/ANT 4355, ANT 4358/FORS 4359, an additional three semester hours from any 3000 or 4000 level course in FORS or ANT.

Required courses in other fields:

- A. Eight semester hours: BIO 1305-1105, 1306-1106, 1405, 1406
- B. At least six semester hours from: BIO 2306-2106, 3422, 3429; CHE 1300-1100, 1301-1101, 1302-1102; GEO 1405, 1406, 3344, 4485, 4487; PHY 1408, 1409, 1420, 1430
- C. MTH 1321 and STA 2381
- D.
  1. For those students pursuing the Concentration in General Anthropology: An additional 14 hours of courses in the fields of Biology, Chemistry, Environmental Studies, Geology, Physics, Psychology, Mathematics, Neuroscience and Statistics. All courses selected must apply to a major in the respective department. PHY 1408 and 1409 will also apply.
  2. For those students pursuing the Concentration in Forensic Anthropology: A minimum 6 hours from the following list: PSY 3380, BIO 4306, 4106, CHE 3361, ENV 4344. An additional 8 hours of courses in the fields of Biology, Chemistry, Environmental Studies, Geology, Physics, Psychology, Mathematics, Neuroscience and Statistics. All courses selected must

apply to a major in the respective department. PHY 1408 and 1409 will also apply.

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. Research shows that students with a degree in Anthropology have higher acceptance rates to medical school than students with a degree in Biology or Chemistry.

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.

### **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.

## **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. The forensics field is heavily based in the sciences so only students with a science background should consider doing this minor. 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. Depending on specific interests or desired career track, it is suggested that students consider a BS major in Biology, Chemistry, Anthropology, Physics, or Psychology.

## **ART**

The basic core of studio courses (ART 1310, 1311, 1314, 1316, 2310) is prerequisite 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, 2302, 2303, 2310, and 4375.
- B. One course from each group:
  1. ART 3320, 3321, 3324, 3325, 3326, 3327, 4320.
  2. ART 3340, 3344, 3345.

- C. Art history elective, three semester hours.
- D. Studio art electives, twelve semester hours.

*Note: ART 3390 is recommended as a social science.*

### Requirements for a Major in Art History

Thirty-six semester hours including the following:

- A. ART 1310, 1314, 1316, 2302, 2303, and 4375.
- 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. Nine 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 ART 3390).

*It is recommended that students fulfill the language requirement in a single language. ART 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. ART 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, 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, 2302, 2303, and 2310.
- B. Studio art electives, twenty-one semester hours for a concentration in graphic design; twenty-four semester hours for a concentration in ceramic design, painting, photography, printmaking, sculpture, and fabric design.
- C. Art history electives, six semester hours.
- D. An additional thirty to thirty-three semester hours, as specified, in one of the following concentrations:
  1. Ceramic Design: ART 3320, 3340, 3341, 3344, 3345, 4340, 4341, 4342, 4343, and 4375.
  2. Graphic Design: ART 2311, 3330, 3332, 3333, 3334, 4329, 4331, 4332, 4333, 3335 or 4334, and MKT 3320.
  3. Painting: ART 2311, 3320, 3321, 3324, 3325, 4320, 4321, 4322, 4323, and 4375.
  4. Photography: ART 3320 or 3321, 3324 or 3325, 3332, 3334, 3335, 4334, 4335, 4336, 4337, and 4375.
  5. Printmaking: ART 2311, 3320, 3321, 3324, 3325, 3326, 3327, 4324, 4325, and 4375.
  6. Sculpture: ART 3320 or 3321, 3324 or 3325, 3340, 3344, 3345, 4344, 4345, 4346, 4347, and 4375.
  7. Fabric Design: ART 3314, 3315, 3316, 3321, 3326, 3327, 4313, 4314, 4316, and 4375.

*Note: ART 3390 is recommended as a social science.*

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).



## AVIATION SCIENCES

(See Interdisciplinary Programs.)

## BIOLOGY

Either BIO 1305-1105 or 1405; and either 1306-1106 or 1406, all with grades of “C” or better, are prerequisite for all “2000” and above level courses in biology, with the exception of BIO 2401 and 2402. Non-biology majors may occasionally be admitted to upper-level courses without these prerequisites but only with consent of instructor and the department chair. BIO 1401, 1402, 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 in Individual Topics (1V90, 3V90, 5V90) may be applied toward a major or minor in biology.

### PRE-BIOLOGY

Students interested in biology as a major will choose the pre-biology designation upon enrollment at Baylor. To declare a major in Biology (BA or BS, all concentrations), a student must complete, with grades of “C” or better, either BIO 1305-1105 or 1405; and either BIO 1306-1106 or 1406; or their equivalents. Students may transfer credit for these courses (assuming grades of “C” or better) as long as the courses were taken prior to initial matriculation at Baylor. Students may repeat each of these introductory courses only once if they fail to make a “C” or better the first time they take the course. Students may only remain in the pre-biology designation until completion of 60 hours. Students who have not met the admission requirement at 60 hours will not advance to the biology major and must change degree programs.

Students who transfer credit to Baylor for BIO 1305-1105 or 1405 and BIO 1306-1106 or 1406, all with grades of “C” or better, on their record will be eligible to declare biology as a major upon initial enrollment at Baylor. Students who receive 5 on the AP examination will be eligible to declare biology as a major upon initial enrollment at Baylor even if they elect to take the introductory course sequence.

### B.A. Degree

#### Requirements for a Major in General Biology

Thirty-one semester hours including the following:

- A. BIO 1305-1105 or 1405, 1306-1106 or 1406, 2306-2106, and 4001.
- B. At least four hours from each group:  
BIO 3425, 3429, 4308-4108, 4416, 4426.  
BIO 3422, 4307-4107, 4417, 4431.  
BIO 3303-3103, 3324-3124, 4405, 4406, 4414, 4418, 4422, 4427, 4428, 4V04.
- C. A grade of “C” or better in 31 hours of biology courses used in the major.

Required courses in other fields:

- A. CHE 1301-1101, 1302-1102, 3331, 3332, and 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 wish to develop an understanding of biology in the context of a broad university education.

#### Requirements for a Major in Biology (Prehealth Care Concentration)

Thirty-one semester hours including the following:

- A. BIO 1305-1105 or 1405, 1306-1106 or 1406, 2306-2106, 3422, 4001, and 4307.
- B. At least one course from BIO 3425, 3429, 4308-4108, 4426.
- C. A grade of “C” or better in 31 hours of biology courses used in the major.

Required courses in other fields:

- A. CHE 1301-1101, 1302-1102, 3331, 3332, and 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 with an interest in medicine, dentistry, podiatry, or other health related professions, as well as those anticipating graduate studies in these disciplines.

### **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, 4333, 4365 or 4366, one hour of 3V90, and 4001
- B. Four hours from each group: (A course may not be used to fulfill more than one group.)  
 BIO 3324-3124, 3425, 3429, 4308-4108, 4414, 4416, 4426.  
 BIO 3422, 4306-4106, 4307-4107, 4417, 4431.  
 BIO 3303-3103, 3324-3124, 4405, 4406, 4414, 4418, 4422, 4427, 4428.
- C. A grade of “C” or better in 31 hours of biology courses used in the major.

Required courses in other fields:

- A. CHE 1301-1101, 1302-1102, 3331, 3332, and 3238.
- B. GEO 1406.
- 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 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 General Biology**

Thirty-one semester hours including the following:

- A. BIO 1305-1105 or 1405, 1306-1106 or 1406, 2306-2106, and 4001.
- B. At least four hours from each group:  
 BIO 3425, 3429, 4308-4108, 4416, 4426.  
 BIO 3422, 4307-4107, 4417, 4431.  
 BIO 3303-3103, 3324-3124, 4405, 4406, 4414, 4418, 4422, 4427, 4428, 4V04.
- C. A grade of “C” or better in 31 hours of biology courses used in the major.

Required courses in other fields:

- A. CHE 1301-1101, 1302-1102, 3331, 3332, and 3238.
- B. GEO 1405 or 1406.
- C. MTH 1321.
- D. MTH 1322 or STA 2381.
- E. PHY 1408 and 1409; or 1420 and 1430; or 1420 and 1409.
- F. 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 sciences. It is appropriate for students who wish to attend graduate or professional schools.

#### **Requirements for a Major in Biology (Prehealth Care Concentration)**

Thirty-one semester hours including the following:

- A. BIO 1305-1105 or 1405, 1306-1106 or 1406, 2306-2106, 3422, 4001, and 4307.
- B. At least one course from Biology 3425, 3429, 4308-4108, 4426.
- C. A grade of “C” or better in 31 hours of biology courses used in the major.

Required courses in other fields:

- A. CHE 1301-1101, 1302-1102, 3331, 3332, and 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 with an interest in medicine, dentistry, podiatry, or other health related professions, as well as those anticipating graduate studies in these disciplines.

### **Requirements for a Major in Biology (Ecology Concentration)**

Thirty-seven semester hours including the following:

- A. BIO 1305–1105 or 1405, 1306–1106 or 1406, 2306, 3303–3103, 4001.
- B. At least four hours from each group:  
     BIO 3422, 4417, 4431.  
     BIO 3324–3124, 4406, 4414, 4422, 4427.
- C. At least 14 hours from BIO 4310, 4365, 4381, 4405, 4416, 4418, 4428 (or any of the above not used to fulfill a requirement in category B)
- D. A four hour course at an approved field station.
- E. A grade of “C” or better in 37 hours of biology courses used for the major.

Required courses in other fields:

- A. CHE 1301–1101, 1302–1102, and (1341 and 1146) *or* (3238 and 3331 and 3332).
- B. ENV 1301, 2375, or 4355.
- C. GEO 1405 or 1406.
- D. MTH 1321.
- E. MTH 1322 *or* STA 2381.
- F. PHY 1408 and 1409; *or* 1420 and 1430; *or* 1420 and 1409.
- G. A grade of “C” or better in all courses required in other fields.

This program is designed for students with interests in field studies, especially for those considering a career in subjects such as fisheries and wildlife, forestry, conservation, pollution assessment and related areas and /or for those anticipating graduate studies in ecology and environmental biology. Students will be advised to take courses representing systems ecology, physiological ecology, and organismal biology. A unique feature of this program is the requirement of full-time off-campus studies through courses taken at an academically recognized Field Station sponsored by a national or international university. BIO 4V04, taken for four hours credit, may be substituted for the field station requirement. This course substitution must be approved, in advance, by the Ecology Track Director and department chair.

### **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, 4333, 4365 or 4366, one hour of 3V90, and 4001.
- B. Four hours from each group: (A course may not be used to fulfill more than one group.)  
     BIO 3324–3124, 3425, 3429, 4308–4108, 4414, 4416, 4426.  
     BIO 3422, 4306–4106, 4307–4107, 4417, 4431.  
     BIO 3303–3103, 3324–3124, 4405, 4406, 4414, 4418, 4422, 4427, 4428.
- C. A grade of “C” or better in 31 hours of biology courses used in the major.

Required courses in other fields:

- A. CHE 1301–1101, 1302–1102, 3331, 3332, and 3238.
- B. GEO 1406.
- 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.

## Requirements for a Secondary Major in Biology

Thirty-one semester hours of biology including the following:

- A. BIO 1305-1105 or 1405, 1306-1106 or 1406, 2306-2106, and 4001
- B. At least four hours from each group:
  - a. BIO 3429, 4416, 4308-4108, 4426, 4401
  - b. BIO 3422, 4307-4107, 4417, 4431
- C. At least 3 hours from the following: BIO 3303, 4352, 4365, 4366
- D. Elective hours (8) may be chosen from any upper level biology courses, including those not used to fulfill a requirement in category B or C.
- E. A grade of C or better in all biology courses used for the Secondary Major.

Required courses from 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 required courses from 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.

## OTHER SPECIAL PROGRAMS

Prospective students of horticulture and landscape architecture should major in general biology and include as many botany courses as possible.

Prospective students of public health should major in the biology prehealth care program. As electives, they should include BIO 4301 and 4401.

Prospective students of medical illustration should major in the biology prehealth care program and take additional courses in art.

## CHEMISTRY AND BIOCHEMISTRY

### CHEMISTRY

Freshmen who feel they may wish to be chemistry majors are strongly advised to enroll in CHE 1301 (or 1300, if appropriate) in the freshman year in order to keep as many options open as possible.

### B.A. Degree

#### Requirements for a Major in Chemistry

Thirty-one semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2216, 3331, 3332, 3238, 4321, 4127, 4151, and 4001.
- B. A minimum of eight semester hours, including a minimum of two semester hours laboratory, from the following: CHE 4207, 4301, 4316, 4217, 4322, 4128, 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-three or forty-five semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2216, 3331, 3332, 3238, 4001, 4127, 4128, 4151, 4301, 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)\*

Thirty-eight semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2216, 3331, 3332, 3238, 4001 4127, 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 pre dental 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 Minor in Chemistry

Twenty-one semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2216, 3331, 3332, and 3238.  
B. Three semester hours of "4000" level chemistry, excluding CHE 4151 and 4152. A maximum of two semester hours of CHE 4V98 is allowed and must be accompanied by CHE 4199.

## BIOCHEMISTRY

Freshmen who wish to become biochemistry majors are strongly advised to enroll in CHE 1301 (or 1300, if appropriate) in the freshman year, in order to complete the prerequisites for biochemistry courses.

## B.A. Degree

### Requirements for a Major in Biochemistry

Thirty-one semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2216, 3238, 3331, 3332, 4001, 4125, 4141, 4151, 4327, 4341, and 4342.

- B. A minimum of one additional semester hour of “4000” level chemistry is required, excluding CHE 4321, CHE 4151 and CHE 4152.
- 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 (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-six semester hours including the following:

- A. CHE 1301-1101, 1302-1102, 2216, 3331, 3332, 3238, 4001 4125, 4141, 4142, 4151, 4327, 4341, and 4342.
- B. A minimum of five semester hours of “4000” level chemistry, excluding CHE 4321, 4151 and 4152. 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 (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 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.

## **CLASSICS**

### **CLASSICS**

## **B.A. Degree**

### **Requirements for a Major in Classics**

Thirty semester hours including the following:

- A. GKC 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, GKC 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:  
ART 3352, 3353; CLA “3000-4000” level courses; GKC “3000-4000” level courses; HIS 4322, 4324; LAT “3000-4000” level courses; PHI 3310; PSC 3363.

**Requirements for a Secondary Major in Classics**

Twenty-seven hours including the following:

- A. GKC 2310 and 2320 or equivalent upper level hours; LAT 2310 and 2320 or equivalent upper level hours.
- B. At least twelve hours of GKC or LAT courses at the “3000” or “4000” level.
- C. Three additional hours of “3000-4000” level GKC or LAT; CLA 3301; CLA 3302; 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:  
ART 3352, 3353; CLA “3000-4000” level courses; GKC “2000” or “3000-4000” level courses; HIS 4322, 4324; 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 4322 (Ancient Greece) or CLA 3302 (Greek Civilization).

**Requirements for a Secondary Major in Greek**

Twenty-seven semester hours including the following:

- A. GKC 2310 and 2320 or equivalent upper level hours.
- B. At least fifteen hours of GKC courses at the “3000” or “4000” level.
- C. Six additional hours of “3000-4000” GKC; 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 4324 (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.

## CLINICAL LABORATORY SCIENCE

(See Interuniversity Programs.)

### COMMUNICATION SCIENCES AND DISORDERS

#### B.A. Degree

##### Requirements for a Major in Communication Sciences and Disorders

Thirty-seven or forty-five semester hours including the following:

Complete one sequence:

- A. Sequence I: Speech Pathology (thirty-seven hours)  
CSD 1308, 2318, 2351, 3308, 3357, 4301, 4302, (4309 or 43C8), 4352, 4358, 4368, and 4477.
- B. Sequence II: Deaf Education (forty-five hours; also required courses in other fields)  
CSD 1360, 2318, 4301, 4352, 4360, 4361, 4368, 4660, 4661, 4662, 4663.

##### Additional Requirements for Sequence II: Deaf Education

- A. Required courses in other fields (for Deaf Education sequence only):
  - a. Ten semester hours from: TED 1312, TED 1112, TED 2360, EDC 3309.
  - b. American Sign Language through CSD 2302.
- B. Admission and Retention in Deaf Education Sequence
  - a. The semester that the candidate completes TED 2360 and CSD 2302 an application must be submitted to the Deaf Education Program Committee no later than April 1. Minimum criteria for admittance:
    - 1. GPA 2.8 overall
    - 2. GPA 3.0 in major
    - 3. completion of required course work
    - 4. must achieve passing score on the ASL Language Proficiency Exam.
  - b. In order to enroll in the internship field experience courses (CSD 4660, CSD 4661, CSD 4662, CSD 4663), candidate must have prior approval from the program committee AND meet the following minimum criteria:
    - 1. GPA 2.8 overall
    - 2. GPA 3.0 in the major
    - 3. completion of required course work
    - 4. must achieve passing score on the ASL Language Proficiency Exam.
    - 5. must have successfully completed CSD 4360 & 4361

##### Requirements for a Minor in Communication Sciences and Disorders

Eighteen semester hours in communication sciences and disorders including at least nine semester hours at the “3000” or “4000” level.

##### Requirements for a Minor in Sign Language Interpreting

Twenty-one semester hours in communication sciences and disorders including the following:

- A. CSD 2301, 2302, 3310, 3312, 4322, 4323.
- B. Three semester hours of CSD 4V30.

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 2005 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 and MA in Communication Sciences and Disorders) 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, 10801 Rockville Pike, Rockville MD, 20852, (301) 897-5700.

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 254-710-2567.



## COMMUNICATION

### B.A. Degree

#### Requirements for a Major in Speech Communication

Thirty-six hours including the following required courses:

- A. One three-hour course from CSS 1301, 1302, or 1304.
- B. CSS 1305.
- C. CSS 3302.
- D. CSS 3310.
- E. Students will select a track for the remaining twenty-four hours of coursework which relates to their academic or professional focus.
  1. Corporate Communication Track
    - a. Eighteen hours from the following courses: CSS 3304, 3306, 3311, 3312, 4301, 4302, 4303, 4304, 4306, 4311, 4312, 4313, 4336, 4380
    - b. Six hours from courses in the Rhetoric and Public Discourse Track.
  2. Rhetoric and Public Discourse Track
    - a. Eighteen hours from the following courses: CSS 2264, 2265, 3305, 3307, 3316, 3247, 3248, 3393, 4310, 4336, 4351, 4352, 4353, 4354, 4385, 4396, 4397, 4380.
    - b. Six hours from the courses in the Corporate Communication Track.
  3. Generalist Track
    - a. Twelve hours from the courses in the Rhetoric and Public Discourse Track.
    - b. Twelve hours from the courses in the Corporate Communication Track

#### Requirements for a Major in Film and Digital Media

Thirty-six semester hours including the following:

- A. FDM 1304, (2360 or 3361), (3351 or 3352), (3372 or 3373 or 3374) and (4311 or 4340).
- B. At least one three-hour course in speech communication.
- C. The remaining eighteen hours for the major must be taken from FDM courses.
- D. At least fifteen of the thirty-six semester hours must be at the “3000” or “4000” level.

#### Requirements for a Major in Communication Specialist

Thirty-six semester hours including the following:

- A. CSS 1302, 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.

Required course in other field:

MIS 1305

**Special Note:** For students wishing to double major in speech 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 Specialist

Thirty semester hours including the following:

- A. CSS 1302, CSS 4301, FDM 1304, FDM 2360
- B. Nine 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 Secondary Major in Communication Studies

Thirty semester hours including the following:

- A. Three hours from CSS 1301, 1302, 1304.
- B. CSS 1305

- C. Students will select a track which relates to their academic or professional focus for the remaining twenty-four hours of coursework.
  - 1. Corporate Communication Track
    - a. CSS 3310
    - b. Eighteen hours from the following courses: CSS 3304, 3306, 3311, 3312, 3314, 4301, 4302, 4303, 4304, 4311, 4312, 4313, 4314, 4336, 4380.
    - c. Three hours from courses in the Rhetoric and Public Discourse Track
  - 2. Rhetoric and Public Discourse Track
    - a. CSS 3302
    - b. Eighteen hours from the following courses: CSS 2264, 2265, 3305, 3307, 3316, 3247, 3248, 3393, 4310, 4351, 4352, 4353, 4354, 4385, 4396, 4397, 4380.
    - c. Three hours from the courses in the Corporate Communication Track.

### **Requirements for a Secondary Major in Film and Digital Media:**

Thirty semester hours including the following:

- A. FDM 1304, (2306 or 3361), (3351 or 3352), and (4311 or 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.

### **Requirements for a Minor in Rhetoric and Argumentation**

Eighteen semester hours from the following:

- A. CSS 1301 or 1302, 1304, 3305, 3307, 3316, 3393, 4310, 4351, 4352, 4353, 4394, 4396, 4397.
- B. At least twelve of the eighteen semester hours must be at the “3000” or “4000” level.

### **Requirements for a Minor in Corporate Communication**

Eighteen semester hours including the following:

- A. CSS 4301 and (FDM 3372 or 3373 or 3374).
- B. Four courses from CSS 1302, 3304, 3305, 3306, 3307, 3311, 3312, 3316, 4302, 4303, 4306, 4311, 4312, 4352, 4V85; 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 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**

Eighteen semester hours including the following:

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

The department 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 speech 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 speech major proves useful to students with a wide array of career aspirations.

The film and digital media major is designed to prepare students for a variety of careers in television, radio, 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. In cooperation with the Hankamer School of Business, the division offers a combined media management major. Details may be found in the School of Business section of this catalog.

The communication specialist major combines courses in speech 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 speech 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 speech communication division and the film and digital media division also offer students the opportunity to pursue a range of theoretical and practical courses in corporate communication, rhetoric and argumentation, conflict management, broadcast news and public affairs, media sales and management, and media production.

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.) A full-color, closed circuit television service provides experience in television production/directing using studio and portable equipment. KWBU-FM (NPR) offers students the opportunity to work with professionals in the field. (c.) Internship programs in speech communication and film and digital media, including the annual NAB/SONY and the semester in New York City programs, provide students with real world experience in their chosen field. (d.) 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 Intrauniversity Programs.)

## **ECONOMICS**

(See Intrauniversity Programs)

## **ENGLISH LANGUAGE AND LITERATURE**

### **ENGLISH**

### **B.A. Degree**

#### **Requirements for a Major in English**

Thirty-six semester hours including the following:

- A. ENG 2301.
- B. Three semester hours from ENG 2304 or 2306.
- C. Twelve semester hours from ENG 3311, 3331, 3351, 3380, 3390.  
*English majors should take the required junior level surveys before taking 4000-level classes.*
- D. 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, 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.
- E. Nine semester hours of additional "3000" – "4000" level English electives (may include specialized topics, writing, and literature courses).

#### **Requirements for a Minor in English**

Eighteen semester hours including the following:

- A. ENG 2301.
- B. Three semester hours from ENG 2304 or 2306.
- C. Six semester hours of "3000" or "4000" level Literature courses, one course of which must be British and one of which must be American.
- D. Six semester hours of "3000" or "4000" level English electives (may include specialized topics, writing, and literature courses).
- E. Students majoring in professional writing may not minor in English.

*If a student takes ENG 3300 rather than 1304 to fulfill the general education requirements, the course will not count toward either the B.A. in English major or the English minor.*

## PROFESSIONAL WRITING

### B.A. Degree

#### Requirements for a Major in Professional Writing

Thirty-six semester hours, including the following:

- A. ENG 2301.
- B. Three semester hours from ENG 2304 or 2306.
- C. Thirty semester hours of “3000” or “4000” level courses will be distributed among language, writing courses, and literature as indicated below:
  1. Language: ENG 3302.
  2. Writing: fifteen semester hours including the following:
    - a. ENG 3300 and 4318.
    - b. ENG 4377.
    - c. Two courses selected from ENG 3303, 3307, 3309, 4309, 4311, and 4375.
  3. Literature: Nine semester hours selected from “3000” or “4000” level Literature courses.
  4. Three semester hours of additional “3000” or “4000” level English course (may include specialized topics, writing, and literature courses).

#### 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

## LANGUAGE AND LINGUISTICS

### B.A. Degree

#### Requirements for a Major in Language and Linguistics

Twenty-seven semester hours including the following:

- A. LING 3310, 4302, 4303, and 4305.
- B. Twelve semester hours selected from: LING 3311, 3315, 4311, 4312, 4313, 4314, 4316, 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, CSD 2318, TED 4312, SPA /FRE/GER 4315, PHI 4345, PHI 4353, PSY 3311.

Required courses in other fields:

Familiarity with the linguistic systems and structure of at least two foreign languages must be demonstrated, one of which must be non-western European (GKC, RUS, CHI, HEB, IND, JPN, KOR, SWA, ARB, ARBB). Complete both of the following requirements:

- A. One or more non-western languages (GKC, RUS, CHI, HEB, IND, JPN, KOR, SWA, ARB, ARBB) – Complete one option from the following:
  1. Complete one non-western language through 2320, or
  2. Complete two non-western languages through 1302/1402 in each.
- B. An additional language through 2320 selected from: FRE, GER, ITA, POR, SPA, GKC, LAT, RUS, CHI, HEB, IND, JPN, KOR, SWA, ARB, ARBB.

*Note: Courses must be limited to courses that apply toward the language requirement or the major in that language; non-translation courses will not apply here.*

## 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, 4311, 4313, 4314, 4316, 4318, 4319.

*Note: The Department of English offers the following majors: English, Professional Writing, and Language and Linguistics. The Department of English offers the following minors: English, Linguistics, and Creative Writing. Students may major in English and minor in Linguistics or Creative Writing. Students may major in Professional Writing and minor in Linguistics but not in English or Creative Writing. Students may major in Language and Linguistics and minor in English or Creative Writing. Only three semester hours of the major and minor may overlap. Students may pursue only one major within the Department of English but may double major with an area outside the department.*

## ENVIRONMENTAL SCIENCE

### B.A. Degree

#### Requirements for a Major in Environmental Studies

Thirty semester hours including the following:

- A. ENV 1101 and 1301, 3314 and 43C1.
- B. At least three semester hours from each group:
  - 1. Social Science – three hours from: ENV 2376, 3300, 3320, 4307, 4310, 4350 or 4393.
  - 2. Ecology – three hours from: ENV 2407, 3306, or 4450.
  - 3. Pollution – three hours from: ENV 2375, 3316, 3333, 3387, 4344, 4349, or 4370.
- C. At least one semester hour of laboratory from: ENV 2175, 3106, 3133, 3216, 4287, or by taking ENV 2407 (with lab) or ENV 4450 (with lab).
- D. At least three semester hours of research, internship, team project, thesis, or field studies from: ENV 3301, 3V90, 3V93, 4V90, 4V93, (4199 and 4299), 4302, 4315, 4332, 4394, 4613, 4680.
- E. Seven semester hours of additional environmental studies electives (for the minimum of 30 semester hours required for the major).
- F. Note: At least fifteen semester hours of the entire environmental studies major must be “3000” - “4000” level courses. No more than six hours total of the following research, internship, thesis, or project courses may be applied to the major: ENV 3301, 3V90, (4199 and 4299), 4302, 4332, 4394, 4V50, 4V90, 4V93.

Required courses in other fields:

- A. Option I
  - 1. Chemistry--At least three hours from CHE 1405, 1300, or 1301.
  - 2. All the major requirements in another department or study program in the University.
- B. Option II. (Open to B.A. degree only). Twenty credits of courses in other fields including:
  - 1. Chemistry -- at least three hours from CHE 1405, 1300, 1301.
  - 2. Life Science -- four hours from BIO 1401, 1305 and 1105, or 1306 and 1106.
  - 3. Physical Science -- At least three hours from: CHE 1302 or 1341, GEO 1403, GEOG 1404.
  - 4. Three hours of STA or ECO 1305 or 2306.
  - 5. And an additional seven hours from: ANT 2305, CHE 1100, 1101, 1102, 1146, 1302, 1341, 3331; ECO 1305, 2306, 2307; GEOG 1404, 4314; HED 2331; PSC 1305, 1306, 3312, 3314, 3315, 3322; or any BIO, GEO, PHY, or STA.

*NOTE: BIO 1105, 1106, 1305, 1306; CHE 1301-1101, 1302-1102; and GEO 1403 are recommended for students pursuing scientific career options, such as environmental consulting or remediation. ECO 2306, 2307 and GEO 1403 or GEOG 1404, and courses in Geographic Information Systems are recommended for students pursuing careers in law, regulation or planning.*

*Students completing Natural World (BIC 2437 and 2447) in the Baylor Interdisciplinary Core may receive credit toward the major for ENV 1301 and five hours of lower level ENV electives.*

### B.S. Degree

#### Requirements for a Major in Environmental Health Science

Thirty-seven semester hours including the following:

- A. ENV 1101 and 1301.
- B. ENV 3100, 3314, 3316, 3387-3187, 3370, 4325, 4344, 4345.
- C. One of the following: ENV 4307 or 3300.

- D. Three semester hours in one of the following: ENV 4V90 or 4V93.
- E. Three semester hours of additional environmental science electives (for the minimum of 37 semester hours required for the major) from the following: ENV 2375/2175, 2407, 3306/3106, 4307, 4327, 4355, 4373, 4380, 4397, 4485.

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, 3422.
- F. HED 2331 and HED 3351.
- G. FCS 1301
- H. One of the following: BIO 1402 or 4401.
- I. One of the following: ENV 4310 or FCS 3435.
- J. One of the following: PHY 1408 or 1420.
- K. One of the following: ENV 2376; REL 4393 or 4395.

## B.S. Degree

### Requirements for a Major in Environmental Science

Thirty-seven semester hours including the following:

- A. ENV 1101 and 1301, 3314 and 43C1.
- B. At least three semester hours from each group:
  1. Social Science-three hours from ENV 2376, 3300, 3320, 4307, 4310, 4350, or 4393.
  2. Ecology-three hours from ENV 2407, 3306, or 4450.
  3. Pollution-three hours from ENV 2375, 3316, 3333, 4344, 4349, or 4370.
- C. At least four semester hours of laboratory from ENV 1103, 2175, 3106, 3108, 3133, 3137, 3187, 4287, one hour of 2407 (lab), one hour of 3216 (lab), one hour of 4450 (lab), one hour of 4V13 (lab).
- D. At least 9 additional semester hours from the following: ENV 1303, 2375, 2407, 3100, 3216, 3306, 3308, 3316, 3333, 3337, 3370, 4313, 4325, 4333, 4344, 4345, 4349, 4354, 4355, 4365, 4370, 4371, 4373, 4380, 4386, 4390, 4450, 4485, 4487.
- E. At least three semester hours of research, internship, team project, thesis, or field studies from ENV 3301, 3V90, 3V93, (4199 and 4299), 4302, 4315, 4332, 4394, 4613, 4680 4V90, 4V93.
- F. Two semester hours of additional environmental science electives (for the minimum of 37 semester hours required for the major).
- G. Note: At least fifteen semester hours of the entire environmental science major must be "3000" - "4000" level courses. No more than six hours total of the following research, internship, thesis or project courses may be applied to the major: ENV 3301, 3V90, (4199 and 4299), 4302, 4332, 4394 4V50, 4V90, 4V93.

Required courses in other fields:

- A. CHE 1301-1101, 1302-1102.
- B. CHE 3331 or ENV 3387
- C. MTH 1321.
- D. MTH 1322 or STA 2381
- E. BIO 1305, 1105, 1306, 1106.
- F. One of the following: GEO 1401, 1402, 1403, 1405, 1408, or GEOG 1404.
- G. One of the following: PHY 1408 or 1420.
- H. At least 3 additional hours from GEO (including advanced courses at the "3000" or "4000" level), or an additional 3 hours of CHE 3331 or CHE 3332, or an additional 4 hours from PHY 1408, 1409, 1420, or 1430.

*Students completing Natural World (BIC 2437 and 2447) in the Baylor Interdisciplinary Core may receive credit toward the major for ENV 1301 and 5 hours of lower level ENV electives.*

This program is designed for students interested in environmental science, including fields such as forestry, wildlife management, water resources, and environmental chemistry.

## B.S. Degree

### Requirements for a Major in Environmental Studies

Twenty-eight semester hours including the following:

- A. ENV 1101 and 1301, 3314, and 43C1.
- B. At least three semester hours from *each* group:
  1. Social Science-three hours from ENV 2376, 3300, 3320, 4307, 4310, 4350, or 4393.
  2. Ecology-three hours from ENV 2407, 3306, or 4450.
  3. Pollution-three hours from ENV 2375, 3316, 3333, 3387, 4344, 4349, or 4370.
- C. At least one semester hour of laboratory from ENV 2175, 3106, 3133, 3216, 4287, or by taking ENV 2407 (with lab), or ENV 4450 (with lab).
- D. At least 3 semester hours of research, internship, team project, thesis, or field studies from: ENV 3301, 3V90, 3V93, (4199 and 4299) 4302, 4315, 4332, 4394, 4613, 4680, 4V90, 4V93.
- E. Five semester hours of additional environmental studies electives (for the minimum of 28 semester hours required for the major).
- F. Note: At least fifteen semester hours of the entire environmental studies major must be “3000” - “4000” level courses. No more than six hours total of the following research, internship, thesis or project courses may be applied to the major: ENV 3301, 3V90, (4199 and 4299), 4302, 4332, 4394 4V50, 4V90, 4V93.

Required courses in other fields:

- A. At least three hours from: any STA; ECO 1305, 2306; GEO 1401, 1402, 1403, 1405, 1408.
- B. All the major requirements and general education requirements for a B.S. in another department in the University.

*Students completing Natural World (BIC 2437 and 2447) in the Baylor Interdisciplinary Core may receive credit toward the major for ENV 1301 and 5 hours of lower level ENV electives.*

### 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 2375, 2407, 3306, 3314, or 3387.
- D. Nine semester hours of additional environmental studies 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.

*Students completing Natural World (BIC 2447) in the Baylor Interdisciplinary Core may receive credit toward the minor for ENV 1301 and one hour of lower level ENV electives.*

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.

## FAMILY AND CONSUMER SCIENCES

For FCS courses that are pre-requisites for other courses, students must receive a grade of C or better to advance to the next course. Any FCS course may be repeated only two times for students to continue in the FCS major or minor.

## APPAREL DESIGN AND PRODUCT DEVELOPMENT

### B.A. or B.S.F.C.S. Degree

#### Requirements for a Major in Apparel Design and Product Development

Fifty-seven semester hours including the following:

- A. FCS 1104, (1231 or 3375), (1300 or 1391), 1311, (1315 or 3356), 1321, 2301, 2310, 2311, (2351 or 2380 or 3314), 2373, (3350 or 4340), 3360, 3364, 3373, 4312, 4360, 4371, 4394, and 4396.

- B. A grade of “C” or better in family and consumer sciences courses used for the major and a “C” average in courses taken outside the department.

Required courses in other fields:

- A. Business: ACC 2301 or 2303; ECO 1305 or (ECO 2306 and 2307); ENT 3315; and MKT 3305.
- B. ART 1310 and 1314.
- C. Computer science or management information systems, three semester hours.
- D. Laboratory Science: (CHE 1405 or CHE 1300 and 1100) and eight hours of additional laboratory science (as required by degree selected).

Supporting courses in fine arts, art, and business combine with the family and consumer sciences curriculum to provide apparel design and product development majors opportunities to develop knowledge and skills in design, trend tracking, apparel production operations, and textile performance. Students use a state-of-the-art computer design laboratory to design and make production patterns. In the design studio, students learn production techniques used in the apparel industry. Majors are required to complete an approved internship.

## APPAREL MERCHANDISING

### B.A. or B.S.F.C.S. Degree

#### Requirements for a Major in Apparel Merchandising

Fifty-four semester hours including the following:

- A. FCS 1104, (1231 or 3375), 1300, (1311 or 2371), (1315 or 3356), 1391, 2310, 2311, (2351 or 2380 or 3314), (3350 or 4340), 3364, 3391, 3393, 4312, 4391, 4392, 4393, 4396, and three semester hours selected from: FCS 3361, 4132, 4232, 4310..
- B. A grade of “C” or better in family and consumer sciences courses used for the major and a “C” average in courses taken outside the department.

Required courses in other fields:

- A. Business: ACC 2301 or 2303; ECO 1305 or (ECO 2306 and 2307); MKT 3305; and twelve additional semester hours of “3000” or “4000” level business electives selected from the following areas: marketing, management information systems, management, entrepreneurship, and finance or twelve additional semester hours from: ACC 2304 and nine hours of “3000 or 4000” level business electives selected from the following areas: marketing, management information systems, management, entrepreneurship, and finance.
- B. Computer science or information systems, three semester hours.
- C. Laboratory Science: (CHE 1405 or CHE 1300 and 1100) and eight hours of additional laboratory science (as required by degree selected).

#### Requirements for a Minor in Apparel Merchandising

Eighteen semester hours including the following:

- A. FCS (1300 or 1391), 2310, and 2371.
- B. Nine semester hours from FCS 3391, 4312, 4393, 4396, or 4132 and 4232.
- C. A grade of “C” or better in family and consumer sciences courses used for the minor and a “C” average in courses taken outside the department.

Students in the apparel merchandising program have opportunities to develop knowledge of retail functions, merchandising principles, forecasting trends, and textile selection and evaluation. Majors are required to complete an approved internship after completion of all junior level apparel merchandising courses.

## CHILD AND FAMILY STUDIES

### B.A. or B.S.F.C.S. Degree

#### Requirements for a Major in Child and Family Studies

Fifty-four semester hours including the following:

- A. FCS 1104, 1231, 1300 or 1311, 1315, 2351, 2355, 2380, 3204, 3350, 3356, 4191, 4358, 4359, and 4390.
- B. Complete one of the following groups (12 hours):  
Group 1 - FCS 3324, 3357, 3358, 4363.



Group 2 - FCS 3357, 3358, 3362, 4363.

Group 3 - FCS 4340, 4356, 4357, 4367.

- C. Six semester hours of additional “3000-4000” level family and consumer sciences electives.
- D. A grade of “C” or better in family and consumer sciences courses used for the major and a “C” average in courses taken outside the department.

Required courses in other fields:

- A. Complete 9 upper level hours from the following: CLA 3381; CSS 3311, CSS 4313; EDP 3324, EDP 3330; HED 3320, HED 4321; LS 3305, LS 4320; SOC 4310, SOC 3311, SOC 3360, SOC 4329; TED 3380, additional FCS “3000-4000” level courses (in addition to the 54 hours counted on the major).
- B. CSS 1302.
- C. Computer science or management information systems, three semester hours.
- D. Laboratory Science: (CHE 1405 or CHE 1300 and 1100), NSC 1306-1106, and four hours of additional laboratory science (as required by degree selected).

### **Requirements for a Minor in Child and Family Studies**

Eighteen semester hours including the following:

- A. FCS 1315, 2355, 3356, and 4359.
- B. Complete 6 additional semester hours of “3000-4000” level FCS electives.
- C. A grade of “C” or better in family and consumer sciences courses used for the minor and a “C” average in courses taken outside the department.

### **Requirements for a Minor in Family Studies:**

Eighteen semester hours including the following:

- A. FCS 3350 or 4340, 3356, 4356, 4359, 4367
- B. 3 semester hours from: FCS 3324 or 4357 or 4364
- C. A grade of “C” or better in family and consumer sciences courses used for the minor and a “C” average in courses taken outside the department.

The combination of courses for this degree program prepares students for careers in agencies and institutions whose focus is on children and families.

## **FAMILY AND CONSUMER SCIENCES: TEACHER CERTIFICATION**

### **B.A. or B.S.F.C.S. Degree**

#### **Requirements for a Major in Family and Consumer Sciences: Teacher Certification**

Seventy semester hours including the following:

- A. FCS 1104, 1231, 1301, 1311, 1315, 1391, 2310, 2351, 2355, (2301 or 2371), 2380, 3350, 3356, 3357, 3375, 3435, 4332, 4340, and 4359.
- B. FCS 3320, 3321, 4322, and 4623.
- C. A grade of “C” or better in family and consumer sciences courses used for the major and a “C” average in courses taken outside the department.

Required courses in other fields:

- A. Education: TED 1312 and TED 2340.
- B. ENG 1304.
- C. HIS 2365. (Note: See basic degree requirements for additional social science and/or history requirements.)
- D. Laboratory Science: (CHE 1405 or CHE 1300 and 1100) and eight hours of additional laboratory science (as required by degree selected).
- E. MTH 1304 or 1315 or 1321. (Note: Petition required for teacher certification students to count MTH 1315 for basic mathematics requirement for the degree.)
- F. Teacher Certification Information:
  - 1. A grade of “C” or better in student teaching is required for the Department of Family and Consumer Sciences to recommend a student for the Standard Family and Consumer Sciences certificate.
  - 2. Requirements for Student Teaching: (a.) A grade point average of 2.6 overall and in the Family and Consumer Sciences major; (b.) satisfactory performance on the Texas Academic Skills Program (TASP). See School of Education section of this bulletin under “Tests for

Admission and Certification” for acceptable scores on test and possible exceptions.

3. The Family and Consumer Sciences program is approved by the State Board of Educator Certification.

**FAMILY AND CONSUMER SCIENCES CERTIFICATIONS:** The Department also offers teaching certification in **Human Development and Family Studies** (8-12) and **Hospitality, Nutrition and Food Sciences** (8-12) in addition to the **Family and Consumer Sciences: Teacher Certification**.

Course requirements for teacher certifications 2 and 3:

- A. TED 1312, 2340; FCS 3320, 3321, 4623.

1. **Family and Consumer Sciences: Teacher Certification. (above)**

2. **Human Development and Family Studies:** FCS 1315, 2355, 2356, 3356, 3357, 4340, 4358, 4359, 4390; LS 3305.

or

3. **Hospitality, Nutrition and Food Sciences:** FCS 1301, 2380, 2351, 3435, 4340, 4V93, (Food Services Management); MGT 3305, 4338

## GENERAL FAMILY AND CONSUMER SCIENCES

### B.A. or B.S.F.C.S. Degree

#### Requirements for a Major in General Family and Consumer Sciences

Fifty-one semester hours including the following:

- A. FCS 1104, 1231, 1301, (1311 or 2371), 1315, 2310, 2351, 2355, 2380, 3350, 3356, 3375, and 4340.
- B. Fifteen semester hours of family and consumer sciences electives at the “3000” or “4000” level.
- C. A grade of “C” or better in family and consumer sciences courses used for the major and a “C” average in courses taken outside the department.

Required courses in other fields:

- A. Computer science or management information systems, three semester hours.
- B. Laboratory Science: (CHE 1405 or CHE 1300 and 1100) and eight hours of additional laboratory science (as required by degree selected).

The curriculum for General Family and Consumer Sciences contains courses from all areas of family and consumer sciences and thus prepares students for careers requiring a broad, general background in family and consumer sciences.

#### Requirements for a Minor in General Family and Consumer Sciences

Twenty-one to twenty-two semester hours including the following:

- A. FCS 1104.
- B. One course from each of the following groups:
  1. FCS 1300 or 1311.
  2. FCS 1301 or 2351.
  3. FCS 1231 or 1332.
  4. FCS 1315 or 2355
- C. Choose 9 semester hours from junior and senior level (3000-4000 level) courses in the FCS department. All prerequisites must be taken for upper-level courses..
- D. A grade of “C” or better must be earned for a family and consumer sciences class to count for the minor.

## INTERIOR DESIGN

### B.A. or B.S.F.C.S. Degree

#### Requirements for a Major in Interior Design

Sixty-two semester hours including the following:

- A. FCS 1104, 1313, 1332, 2310, 2314, 2315, 2316, 2320, 2322, (2351 or 3314), 3198, 3313, 3317, 3318, 3322, 3326, 3356, 4313, 4318, 4320, 4333, and 4398.
- B. The interior design program requires that each student present for formal review a portfolio of design projects the term before entering interior design classes at the junior level or above. 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.

- C. A grade of “C” or better in family and consumer sciences courses used for the major and a “C” average in courses taken outside the department.

Required courses in other fields:

- A. ART 1310, 1314, 1316, and (2302 or 2303).
- B. Management Information Systems, three semester hours.
- C. Laboratory Science: (CHE 1405 or CHE 1300 and 1100) and eight additional hours of laboratory science (as required by degree selected).

The interior design program is accredited by the Council for Interior Design Accreditation, the national accrediting agency for interior design education. The interior design curriculum is designed to provide 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 academic preparation addresses competencies necessary for passing the NCIDQ (National Council for Interior Design Qualification), the qualifying exam leading to interior design certification and preparation for licensure. The program incorporates a strong liberal arts background with supporting courses in the arts, fine arts, sciences, and humanities. Study abroad programs are offered to further enhance the educational experience. With easy access to the Dallas Design Center, strong professional and industry support are available for students. Students have 24-hour access to drafting facilities, resource areas, and a computer lab. A student chapter of the American Society of Interior Designers offers students an introduction into the professional field of interior design. Various professional design organizations at state and national levels offer career day experiences, resources, and mentoring for students.

The freshman and sophomore years focus on building a strong knowledge base in design, addressing both residential and commercial design arenas. The junior and senior years allow for application of design knowledge and skills with a strong emphasis on creative problem solving. Portfolio reviews are required at the completion of the sophomore and senior years. An approved, 240-hour, on-site internship is required following the completion of the junior year.

## NUTRITION SCIENCES

### **B.A. or B.S. or B.S.F.C.S. Degree**

#### **Requirements for a Major in Nutrition Sciences**

Forty-six semester hours including the following:

- A. FCS 1104, (1231 or 3318 or 3375), (1300 or 1311 or 2310), 1301, (1315 or 3356), 2351, 2380, 3350, 3351, 3386, 4100, 4351.
- B. Complete fifteen to sixteen (15-16) hours from one of the following groups:  
 Group 1: FCS 3204, 3388, 4387, 4388, (2100 and 3435)\* (dietetics)  
 Group 2: FCS 2355, 3358, 3388, 4340, 4352, 4386, 4387, 4388 (non-dietetics)  
 Group 3: FCS 2355, 3204, (2100 and 3435), 4340, 4352, 4358, 4390 (food management)
- C. A grade of “C” or better in family and consumer sciences courses used for the major and a “C” average in all other courses taken outside the department.

Required courses in other fields (B.A. or B.S.F.C.S. degree):

- A. BIO 1305, 1105, 1306, 1402, 2401, and 2402.
- B. CHE 1301, 1101, 1302, 1102, 1341, 1146, and 3341.
- C. STA 1380.
- D. Psychology, three semester hours.
- E. SOC 3305.
- F. Computer science or management information systems, three semester hours.
- G. MGT 3305 and 4336.

Required courses in other fields (B.S. degree):

- A. BIO 1305, 1105, 1306, 1402, 2401, and 2402.
- B. CHE 1301, 1101, 1302, 1102, 1341, 1146, and 3341.
- C. MTH 1321 and STA 2381.
- D. Psychology, three semester hours.

- E. SOC 3305.
- F. Computer science or management information systems, three semester hours.
- G. MGT 3305 and 4336.

\*The students who complete this group 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 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 program, university graduation requirements, an accredited internship, and other Academy of Nutrition and Dietetics requirements qualifies the student to take the Academy of Nutrition and Dietetics examination to become a Registered Dietitian and member of the Academy of Nutrition and Dietetics.

### **Requirements for a Minor in Nutrition Sciences**

Eighteen semester hours including the following:

- A. FCS 1301, 2351.
- B. Twelve semester hours of Family and Consumer Sciences from 2380, 3351, 3386, 3388, 3435, 4351, 4352, 4386, 4387, 4388.
- C. A grade of "C" or better in family and consumer sciences courses used for the minor and a "C" average in courses taken outside the department.

### **FORESTRY**

(See Interuniversity Programs.)

### **GENDER STUDIES**

(See Intrauniversity Programs.)

### **GEOLOGY**

### **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-five semester hours including the following:

- A. One course from GEO 1401, 1402, 1403, 1405, 1408.  
(Majors are encouraged to take 1405.)
- B. GEO 1406, 3319, 3342, 3427, 3430, 3435, 3445, 3643, and 43C0 (senior thesis) or 43C1 (senior colloquium).
- C. Six semester hours of "3000" – "4000" level Geology electives. Note: GEO 3325, 4313, 4314 and 4487 will not apply toward the major.
- D. A grade of "C" or better in geology courses used for the major.
- E. All senior-level candidates must complete the Geology exit exam.

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.
- E. Geology majors are urged to substitute ENG 3300 for ENG 1304.

**Requirements for a Minor in Geology**

Eighteen semester hours including the following:

- A. GEO 1406.
- B. One course from GEO 1401, 1402, 1403, 1405, 1408.
- C. At least two courses from GEO 3319, 3427, 3430, 3435, 3445, 4341.
- D. One course from GEO 3341, 3342, 3344, 3643.

**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-five semester hours including the following:

- A. One course from GEO 1401, 1402, 1403, 1405, 1408.
- B. GEO 1406, 3319, 3342, 3427, 3445, (4341 or 4346), 4457, 4458, 4656, and 4V90.
- C. A grade of "C" or better in geology courses used for the major.
- D. GEO 43C0 (senior thesis).
- E. All senior-level candidates must complete the exit exam.

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 or with courses in education for teaching certification.

**Requirements for a Major in Earth Science**

Thirty-four semester hours including the following:

- A. GEOG 1300.
- B. GEO 1406.
- C. One course from GEO 1401, 1402, 1403, 1405, 1408. (Majors are encouraged to take GEO 1405.)
- D. GEO 3427, 3435, 4312, 4313, 4314.
- E. One course from GEO 3341, 3344, 4375.
- F. One three hour advanced GEO or GEOG course.
- G. All senior-level candidates must complete the exit exam.

Required courses in other fields:

- A. PHY 1408.
- B. BIO 1306 and 1106 or BIO 1403.
- 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-two semester hours including the following:

- A. GEO 1406.
- B. One course from GEO 1401, 1402, 1403, 1405, 1408. (Majors are encouraged to take GEO 1405.)
- C. GEO 3427, 3435, 4312, 4314, 4341, and 4485.

D. One course from GEO 3341, 3344, 4375.

E. All senior-level candidates must complete the exit exam.

Required courses in other field:

ENV 4345.

### **Requirements for a Minor in Earth Science**

Eighteen semester hours including the following:

A. GEO 1406.

B. One course from GEO 1401, 1402, 1403, 1405, 1408. (Minors are encouraged to take GEO 1405.)

C. A minimum of seven semester hours of “3000” or “4000” geology or earth science electives.

D. One course from GEO 3341, 3342, 3344, 3427, 3435, 3643, 4375.

## **GEOGRAPHY**

### **B.A. Degree**

#### **Requirements for a Major in Geography**

Thirty-five semester hours including the following:

A. GEOG 1300, (GEOG 1310 or ANT 1305), GEOG 1404, (3395 or 4350), 4485, and (4386 or 4487).

B. Any six semester hours from: Physical Geography-- GEOG 4314, 4340; GEO 3349, 4312, 4345, 4348, 4371, 4373, 4375, 4459; Cultural Geography-- GEOG 3330, 3365, 4315; ANT 4350; PSC 3300, 4330; SOC 4331.

C. One course from a world region:

1. American Studies: AMS 4382.

2. Asian Studies: AST 2380.

3. Latin American Studies: HIS 3355.

4. Middle East Studies: MES 2301.

5. Slavic and East European Studies: SEES 2380.

6. ANT 3340.

7. GEOG 3312.

D. Six semester hours of additional “3000-4000” level Geography or Geology electives.

E. All senior-level candidates must complete the exit exam.

Required courses in other fields:

STA 1380.

*Recommended electives in other fields include courses from anthropology, area studies, foreign languages, history, political science, and sociology.*

#### **Requirements for a Minor in Geography**

Nineteen semester hours including the following:

A. GEOG 1300, (GEOG 1310 or ANT 1305), GEOG 1404, and GEOG 4385.

B. Six semester hours of Geography or Geology electives at the “3000” or “4000” level.

C. A grade of “C” or better in each course used in the minor.

## **GREAT TEXTS PROGRAM**

(See Honors College.)

## **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 American history.

C. An additional six semester hours in European history.

- D. An additional six semester hours in African, Asian, Latin American, or Middle Eastern history.
- E. An additional three semester hours of history electives.
- 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.

### **Requirements for a Minor in History**

Eighteen semester hours including the following:

- A. Three courses from HIS 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.

*Recommended electives in other fields include courses from anthropology, English, foreign languages, philosophy, political science, and sociology.*

## **HONORS PROGRAM**

(See Honors College.)

## **INTERNATIONAL STUDIES**

(See Intrauniversity Programs.)

## **JOURNALISM, PUBLIC RELATIONS AND NEW MEDIA**

### **B.A. Degree**

#### **Requirements for a Major in Journalism**

Thirty semester hours including the following:

- A. Complete one Sequence:
  - 1. Sequence I: News Editorial (thirty hours)
    - a. JOU 2303, 3325, 3355, 3375, (3376 or 4359), (4325 or 4340), and 4380.
    - b. Nine semester hours of “3000” or “4000” level JOU electives, not to include JOU 3372
  - 2. Sequence II: Public Relations (thirty hours)
    - a. JOU 2303, 3325, 3367, 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: New Media (thirty hours)
    - a. JOU 2303, 3325, 3369, 4380.
    - b. Complete one of the following groups (12 hours):
      - Group 1 — JOU 3320, 3321, 3322, 4320
      - Group 2 — JOU 3355, 3356, 3357, 3358
    - c. Six semester hours of any level JOU electives, not to include JOU 3372.
- B. A minor offered in the College of Arts and Sciences or a concentration of eighteen semester hours to be approved by the department chair. To be approved, a concentration will come from one of these schools: business, education, engineering and computer science, or music.
- C. A grade of “C” or better in JOU courses used for the major.

#### **Requirements for a Secondary Major in Journalism**

Thirty semester hours including the following:

- A. Complete one Sequence:
  - 1. Sequence I: News Editorial (thirty hours)
    - a. JOU 2303, 3325, 3355, 3375, (3376 or 4359), (4325 or 4340), and 4380.
    - b. Nine semester hours of “3000” or “4000” level JOU electives, not to include JOU 3372
  - 2. Sequence II: Public Relations (thirty hours)
    - a. JOU 2303, 3325, 3367, 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: New Media (thirty hours)
  - a. JOU 2303, 3325, 3369, 4380
  - b. Complete one of the following groups (12 hours)
    - Group 1—JOU 3320, 3321, 3322, 4320
    - Group 2—JOU 3355, 3356, 3357, 3358
  - c. Six 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 major.

### **Requirements for a Minor in News–Editorial**

Eighteen semester hours including the following:

- A. JOU 2303, 3325, and 3375.
- B. One course from: JOU 3376, 4359, or 4380.
- C. Six semester hours of JOU electives, three of which must be at the “3000” or “4000” level, not to include JOU 3372.
- D. A grade of “C” or better in JOU courses used for the minor.

### **Requirements for a Minor in Photojournalism**

Eighteen semester hours including the following:

- A. JOU 2303, 3325, 3355, and 3356.
- B. One course from: JOU 3376 or 4359.
- C. Three semester hours of JOU electives, not to include JOU 3372.
- D. A grade of “C” or better in JOU courses used for the minor.

### **Requirements for a Minor in Public Relations**

Eighteen semester hours including the following:

- A. JOU 2303, 3325, 3367, 4368, and 4371.
- B. Three semester hours of JOU electives, not to include JOU 3372.
- C. A grade of “C” or better in JOU courses used for the minor.

The journalism, public relations and new media department is one of only 109 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 study abroad program in Florence, Italy, 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, 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 offers, in cooperation with the Hankamer School of Business, a combined business journalism major. The department also offers a Secondary Major in Journalism.



## MATHEMATICS

### B.A. Degree

#### Requirements for a Major in Mathematics

Thirty-three semester hours including the following:

- A. MTH 1321, 1322, 2311, 2321, 3312, 3323, and 4326.
- B. Twelve hours of “3000” or “4000” level mathematics courses.
- C. A grade of “C” or better in thirty-three hours of mathematics courses used for the major.

Required courses in other fields:

- A. CSI 1430.
- B. Language requirements must be fulfilled with modern foreign language.

#### Requirements for a Major in Mathematics (Mathematics Education Concentration)

Thirty semester hours including the following

- A. MTH 1321, 1322, 2311, 2321, 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 hours of mathematics courses used for the major.

Required courses in other fields:

- A. MTH 3340.
- B. Language requirements must be fulfilled with modern foreign language.
- 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 Mathematics

Thirty-nine semester hours including the following:

- A. MTH 1321, 1322, 2311, 2321, 3312, 3323, 3325, 4314, 4316, and 4326.
- B. A minimum of nine semester hours of mathematics courses at the “3000” level or above, including one of the following pairs:
  - 1. MTH 4326 and 4327.
  - 2. STA 4385 and 4386.
- C. A grade of “C” or better in thirty-nine hours of mathematics courses used for the major.

Required courses in other fields:

- A. Foreign language must be fulfilled with modern foreign language. Those who plan to attend graduate school are advised to fulfill the language requirement in French, German, or Russian, because many graduate schools require proficiency in one of these languages.
- B. Twelve semester hours including the following:
  - 1. CSI 1430.
  - 2. 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. Select from: BIO 1305-1105, 1306-1106; CHE 1301-1101, CHE 1302-1102; GEO 1406; One GEO from: 1401, 1402, 1403, 1405, 1408; NSC 1306-1106; PHY 1420, PHY 1430.

#### Requirements for a Major in Mathematics (Mathematics Education Concentration)

Thirty-three semester hours including the following

- A. MTH 1321, 1322, 2311, 2321, 3312, 3323, 3350, and STA 3381.
- B. Nine 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. Language requirements must be fulfilled with modern foreign language.
- 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.

### Requirements for a Major in Applied Mathematics

Thirty-nine semester hours including the following:

- A. MTH 1321, 1322, 2311, 2321, 3312, 3323, and STA 3381.
- B. 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 C.)
  - Group 1. STA 4382, 4385, 4386, 4387.
  - Group 2. MTH 3325, 3326, 4329.
  - Group 3. MTH 3324, 4322, 4328.
- C. Nine additional hours of mathematics courses at the “3000” or “4000” level.
- D. At least three courses selected in Items B and C must be at the “4000” level.
- E. A grade of “C” or better in thirty-nine hours of mathematics courses used for the major.

Required courses in other fields:

- A. Foreign language must be fulfilled with modern foreign language.
- B. Sixteen semester hours including the following:
  - 1. CSI 1430 and CSI 1440.
  - 2. 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. Select from: BIO 1305-1105, 1306-1106; CHE 1301-1101, CHE 1302-1102; GEO 1406; One GEO from: 1401, 1402, 1403, 1405; 1408, NSC 1306-1106; PHY 1420, PHY 1430.

### Requirements for a Secondary Major in Mathematics

Thirty-three semester hours including the following:

- A. MTH 1321, 1322, 2311, 2321, 3312, 3323, 3325.
- B. 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).
- C. 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 MTH 1304 be taken in the summer before the fall semester of the freshman year if the student does not obtain advanced placement. It is recommended that majors complete MTH 1321, 1322, 2311, and 2321 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, MTH 4327, MTH 4314, and MTH 4316 in their course of studies regardless of what major is chosen.*

*Note: Advanced level Statistics (STA) classes may be counted toward elective hours in the majors and in the minor.*

## MEDICAL HUMANITIES

(See Intrauniversity Programs.)

## 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 five week Leadership Development and Assessment Course (LDAC) summer program, and a two year Advanced Course. 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

requirements, students are commissioned as second lieutenants. 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, three-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 second portion of the four-year program is called the Advanced Course; it is normally completed during the junior and senior years. 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 (LDAC) 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 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.

## MODERN FOREIGN LANGUAGES

### B.A. Degree

#### DIVISION OF FRENCH AND ITALIAN

##### Requirements for a Major in French

Thirty semester hours of “3000-4000” level courses 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.

##### Requirements for a Secondary Major in French

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

- A. FRE 3301 and 43C0
- B. (FRE 3337 and FRE 3338) or (FRE 4331 and FRE 4332).
- C. Twelve semester hours of additional “3000-4000” level FRE electives.
- D. Six semester hours of additional “2000-4000” level FRE electives.
- E. NOTE: At least six semester hours at the “4000” level are required in the thirty hours for the major.
- F. Secondary Majors in French will receive six hours of credit for the two courses at the “2000” level. FRE 1401, 1402, and 1412 will not apply as electives on the 30 hours required in the major.

##### Requirements for a Minor in French

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

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

##### Requirements for a Minor in Italian

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

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

#### DIVISION OF GERMAN AND RUSSIAN

##### 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. Six semester hours of “4000” level GER electives.
- C. Fifteen semester hours of additional “3000-4000” level GER electives.
- D. Six semester hours of additional any level GER electives.

##### 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.*

##### 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. Six semester hours of “4000” level RUS electives.
- C. Nine semester hours of additional “3000-4000” level RUS electives.
- D. Nine semester hours of additional any level RUS electives.

### Requirements for a Minor in Russian

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

*Recommended electives: courses from the Slavic Studies Program.*

## DIVISION OF SPANISH AND PORTUGUESE

### 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 4315, 4362, 4363, 4364, 4366, 4372, 4375, 4376, 4378, or 4388.

### Requirements for a Secondary 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, 3353, 3354, or 3356.
- D. Three semester hours from: SPA 4303 or 4304.
- E. Six semester hours from: SPA 4315, 4362, 4363, 4364, 4366, 4372, 4375, 4376, 4378, or 4388.

### 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.

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

## DIVISION OF ASIAN AND AFRICAN LANGUAGES

### Requirements for a Minor in Arabic

Twenty-three 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

Twenty-three 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

Twenty-three 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/MFL 4376; AST 4V80; CHI 3301; CHI 3302; CHI 3V70; CHI 4301; CHS 4376; JPN 3301; JPN 3302; JPN 3303; JPN 3304; PSC 4344.
- B. Group II — International Foundation Courses: 12 Semester hours selected from: ANT 1310; ANT 2305; 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 on of the following sequences:  
 Japanese 1401, 1402, 2310, and 2320  
 Korean 1401, 1402, 2310, and 2320  
 Chinese 1401, 1402, 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 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/PSC 4364; AST 4374/PSC 4374; AST 4376/MFL 4376; AST 4V80; CHI 3301; CHI 3302; CHI 3V70; CHI 4301; CHS 4376; JPN 3301; JPN 3302; JPN 3303; 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 1401, 1402, 2310, and 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 1401 or 1402; 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

Thirty-two semester hours, fifteen hours must be at the "3000" to "4000" level, including the following:

- A. SEES 2380 and SEES 2381/HIS 2381.
- B. Fourteen semester hours of Russian or equivalent in another language of the area. The countries served by Slavic and East European Studies are Russia, Ukraine, Belarus, Estonia, Latvia,

Lithuania, Moldova, Armenia, Georgia, Azerbaijan, Kazakhstan, Kyrgyzstan, Uzbekistan, Turkmenistan, Tajikistan, Poland, Czech Republic, Slovakia, Hungary, Romania, Slovenia, Croatia, Bosnia-Herzegovina, Serbia, Montenegro, Macedonia, Albania, Bulgaria.

- C. Twelve semester hours selected from: ECO 4338; HIS 3340; HIS 3342; MUS 4332; PSC 3314; PSC 3324; PSC 3325; PSC 4325; REL 3345; REL 4331, RUS 3301; RUS 3302; SEES 4363/ MUS 4363.

Required courses in other fields:

- A. All major requirements in another department or study program of the University.
- 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.

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; MFL 1V99, 2V99, 3V99 (Global Communities—No more than six hours of MFL 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; FCS 4310; FCS 4352; FCS 4356; GEOG/SOC 3365; INB 3305; INB 3333; PCS 3324; PSC 3325; MFL 3V99 (Global Communities—No more than six hours of MFL will apply on the minor.)
- D. Three semester hours selected from Group III: ENG 3375; ENG 4379; FDM 3351; JOU 3387; MFL 3300; MUS 3321; MUS/ANT 4360; MUS 4366; REL 3345; THEA 3322; MFL 3V99 (Global Communities—No more than six hours of MFL 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.

## MUSEUM STUDIES

### Requirements for a Minor in Museum Studies

The Department of Museum Studies offers a baccalaureate 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, 2303, 3304, 4301.
- B. Six additional hours from museum studies at the "3000" or "4000" level.
- C. A grade of "C" or better in museum studies courses used for the minor.

Museum Studies minors should consult with the departmental director of academic programs to determine the proper sequence of courses.

## MUSIC

(See Intrauniversity Programs.)



## PHILOSOPHY

### B.A. Degree

#### Requirements for a Major in Philosophy

Thirty semester hours including the following:

- A. PHI 3310 and 3312.
- B. One course from PHI 1306 or 4345
- C. Six semester hours of “4000” level courses in Philosophy (other than PHI 4345).
- D. Fifteen semester hours of additional any level electives. At least 12 semester hours of the fifteen hours of electives must be philosophy courses and a maximum of three semester hours of required electives may be taken from the following courses:
  1. ANT 4305.
  2. ECO 4338, 4343.
  3. FRE 4338.
  4. GER 4305, 4306.
  5. GKC 4301.
  6. HIS 4338, 4339, 4395, 4396.
  7. MTH 4326.
  8. PSC 3363, 3373, 4383.
  9. PSY 2402, 4327, 4329, 4339.
  10. REL 4346, 4353, 4354, 4390, 4393, 4395.
  11. SOC 4309, 4391.
  12. CSI 1340, 1430.
- E. A grade of “C” or better in all courses used for the major.
- F. Students completing World Cultures I, II, III, and IV in the Baylor Interdisciplinary Core curriculum receive six semester hours credit toward the 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.

## PHYSICS

The Department of Physics offers majors and minors in physics, astronomy, and astrophysics to prepare students for a broad range of careers in these fields and related disciplines.

The Bachelor of Arts degree with a major in physics, astronomy, or astrophysics provides a traditional liberal arts education with a solid set of core courses in the subject area. The Bachelor of Science degree with a major in physics, astronomy, or astrophysics provides a comprehensive

curriculum that prepares students for graduate studies or careers in technology, medicine, education, law, finance, industry, and other professions. Interdisciplinary studies are encouraged, and special concentrations are available for physics majors interested in computational physics or 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.

#### 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.

#### 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 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.

**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-four 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.

### **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.

## **POLITICAL SCIENCE**

### **B.A. Degree**

#### **Requirements for a Major in Political Science**

Thirty semester hours including the following:

Complete one Sequence:

1. Sequence I: (thirty semester hours)

A. PSC 1305 and 2302.

B. One “3000” or “4000” level course from three or more of the following subfields: American Political Institutions, Comparative Politics, International Relations, Political Theory and Methodology, Political Theory and Philosophy, Public Law, and Public Policy and Administration.

C. An additional fifteen semester hours of political science, nine of which must be at the “3000” or “4000” level.

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

A. PSC 1305 and 2302.

B. One “3000” or “4000” level course from two or more of the following subfields: American Political Institutions, Comparative Politics, International Relations, Political Theory and Methodology, Political Theory and Philosophy, Public Policy and Administration.

C. At least three 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, 4389.

C. An additional six semester hours of political science at any level to add up to 30 semester hours for the major.

*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.*

#### **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**

(See Intrauniversity Programs)

*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.*

## **PSYCHOLOGY AND NEUROSCIENCE**

### **B.A. Degree**

#### **Requirements for a Major in Psychology**

Thirty-four semester hours including the following:

A. PSY 1305, 2402, 2405; and NSC 1306, 1106.

B. Three courses from Group A: PSY 3314, 3318, 3350, 4395, either 3310 or 3425, and no more than two of 3308, 3330, and 4327.

C. One course and its lab from Group B: PSY/NSC 3311-3111, 3319-3119, 3320-3120, 3323-3123, 4330-4130.

- D. One course from Group C: PSY 3355, 3360, 3380, 3399, 3406, 4300, 4302, 4329, 4339, 4355, 4380, 4385; PSY/NSC 4312, 4317, 4324, 4V96.
- E. Three semester hours of additional Psychology electives which may be selected from additional courses listed in Groups A, B, and C. The following courses are not applicable to the major: PSY 3V90, 3321, and 3341.
- F. A grade of “C” or better in psychology and/or neuroscience courses used for the major.

Required courses in other fields:

- A. MTH 1301 or 1304 or 1321.
- B. A grade of “C” or better in this required Mathematics course.

## **B.S. Degree**

### **Requirements for a Major in Psychology**

Thirty-seven semester hours including the following:

- A. The same psychology requirements as for the B.A. degree.
- B. PSY 4300.
- C. A grade of “C” or better is required in all psychology and/or neuroscience courses used for the major.

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

- A. BIO 1305-1105, 1306-1106, and 3422 or 3429.
- B. MTH 1321 and 1322.
- C. PHY 1408 and 1409.
- D. PHI 1306 or 4310.
- E. Two courses from CHE 1301, 1302; MTH 2311, 2321.

### **Requirements for a Major in Neuroscience**

Thirty-three semester hours including the following:

- A. NSC 1306-1106, 3311-3111, 3319-3119, 3320-3120, 3323-3123, 3356, and 4330-4130.
- B. Two courses from NSC 4312, (4317 or 4371), 4324, 4V96.
- C. A grade of “C” or better is required in all psychology and/or neuroscience courses used for the major.

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

- A. BIO 1305-1105, 1306-1106, and 2306.
- B. CHE 1301-1101, 1302-1102.
- C. MTH 1321 and STA 2381.
- D. PHY 1408 and 1409; or 1420 and 1430.
- E. PSY 4300.

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

Students intending to do graduate work are encouraged to take more than the minimum number of required hours but no more than forty-five hours in psychology or neuroscience.

**NOTE:** A student who earns a D or F in a PSY or NSC course may repeat the course. However, **a student earning a second D or F in the same course, or in a subsequent PSY or NSC course,** will not be eligible to continue in the Psychology or Neuroscience 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.

## **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, 3311, 3312, 3314, 3315, 4302, 4305, 4315
  - 2. Christian Ethics
    - One course from: REL 3351 or 3390 (the course not taken in the required course section above)
    - Two courses from: REL 3394, 4390, 4393, 4395, 4397
  - 3. History
    - One course from: REL 3338, 3344, 4338
    - One course from: REL 4331, 4332, 4333
    - One course from: REL 4334, 4335, 4336, 4340
  - 4. Practical Studies
    - REL 4340
    - Two courses: REL 2480, 3381, 3382
  - 5. Theology
    - One course from: REL 3351 or 3390 (the course not taken in the required course section above)
    - One course from: REL 4350, 4351, 4352, 4353, 4354, 4388
    - One additional course from: REL 3352, 3370, 4350, 4351, 4352, 4353, 4354, 4388
  - 6. World Religions
    - Three courses from: REL 4343, 4346, 4348
- G. Three semester hours of additional 4000 level religion elective
- H. Three semester hours of additional any level religion elective. (*REL 1310 and 1350 and REL 1211, 1221, 1231, 1241 will not apply here.*)
- I. A grade of "C" or better in religion courses used for the major.

### 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 level religion elective.  
*Note: It is strongly recommended that Ministry Students use either REL 2480 or 3381 as their elective course in the minor.*
- D. A grade of "C" or better in religion courses used for the minor.

### Requirements for a Minor in Recreation Ministry

(See Intrauniversity Programs.)

## BIBLICAL AND RELATED LANGUAGES

The Institute for Biblical and Related Languages provides an academic major for students seeking specialization in the languages in which the Biblical texts were written and in related languages from the Middle East. This will provide training in linguistic preparation appropriate for teaching, ministry, research, Bible translation, and other fields of work.

### B.A. Degree

#### Requirements for a Major in Biblical and Related Languages

Thirty semester hours including the following:

- A. GKC 2310 and 2320, BRL 3301 and 3302, and ARA 4303.
- B. An additional fifteen semester hours from the "3000" or "4000" level courses from Akkadian, Aramaic, Arabic, Greek, Hebrew, Syriac, and Ugaritic. Approval must be given by the director.

Required courses in other fields:

- A. All major requirements in another department or study program in the University.  
 No more than six semester hours of courses listed both in the Institute for Biblical and Related Languages and another study program may be applied to major requirements in both majors.

- B. GKC 1301 and 1302 and HEB 1301 and 1302 must be taken to fulfill the foreign language requirement for the B.A. degree. These courses will not count in the hours required for a major in Biblical and Related Languages.

### **COURSES OF STUDY**

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

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 104 Tidwell.

*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 Institute for Biblical and Related Languages and course offerings in Arabic, Aramaic, Greek, and Hebrew.

Students interested in pursuing graduate studies in religion at the doctoral level are encouraged to take German.

## **RELIGION, POLITICS, AND SOCIETY**

(See Interdisciplinary Programs.)

### **SOCIOLOGY**

#### **B.A. Degree**

##### **Requirements for a Major in Sociology**

Thirty-one semester hours including the following five required courses:

- A. SOC 1305: Introduction to Sociology
- B. SOC 3402: Social Statistics - Recommended for 2nd semester sophomores or 1st semester juniors. Prerequisite for SOC 4381.
- C. SOC 4381: Methods of Social Research - Recommended for 2nd semester juniors. Prerequisite for SOC 43C9.
- D. SOC 4391: Social Theory - Take as 1st or 2nd semester senior. Prerequisite for SOC 43C9.
- E. SOC 43C9: Senior Colloquium - Take as 1st of 2nd semester senior.

In addition to the required courses above:

Fifteen hours of 3000 and/or 4000-level sociology electives. Additional sociology courses may be added as electives. Courses in anthropology and social work do not apply toward a major in sociology.

##### **Requirements for a Minor in Sociology**

Eighteen semester hours including the following three required courses:

- A. SOC 1305: Introduction to Sociology
- B. SOC 4381: Methods of Social Research
- C. SOC 4391: Social Theory

A minimum of nine semester hours must be "3000" or "4000" level sociology courses.

Note that SOC 4381 has a prerequisite of SOC 3402 or equivalent.

## 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 2381, 3381, 4382, 4385, 4386, 43C9
- B. 9 semester hours of additional Statistics courses from the following:  
STA 1301, 4370, 4371, 4372, 4373, 4387
- 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. CSI 1430
- 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, 2375-2175, 2407; GEO 1406, One GEO from: 1401, 1402, 1403, 1405, 1408; NSC 1306-1106; PHY 1420, or PHY 1430.

#### 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.

## 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 1301, 1101, 1302, 1102, 1312, 1316, 2371, 2374, 2375, 3105, 3106, 3324, 3341, (4107 or 4108), 4376, six semester hours of "3000" or "4000" level Theatre arts electives, and three 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, 1101, 1312, 1316, 1383, 2371, 2374, 2375, 2383, 2390, 3324, 3326, 3370, 3371, 3380, 3383, 4376; nine semester hours of Theatre design electives from: 3316, 3322, 3363, 3372, 4190, 4326, 4351, 4370, 4371, 4384, 4390, 4398, 4V99, 4VC5; six semester hours of any level Theatre arts electives; and six 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. THEA 1301, 1101, 1302, 1102, 1312, 1316, 2301, 2302, 2298, 2299, 2316, 2371, 2374, 2375, 3105, 3106, 3301, 3302, 3324, 3325, 3341, 4102, (4107 or 4108), 4376, six semester hours of "3000" or "4000" level Theatre arts electives, and six 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. 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 Studies**

Seventy-five semester hours including the following:

- A. THEA 1301, 1101, 1302, 1102, 1312, 1316, 2301, 2298, 2299, 2371, 2374, 2375, 2390, 3105, 3106, 3324, 4107, 4376, six semester hours of "3000" or "4000" level Theatre arts electives, and nine semester hours of Theatre design/tech electives (at least six advanced semester hours) from: 1383, 2316, 2383, 3316, 3322, 3326, 3363, 3379, 3371, 3372, 3380, 3383, 4190, 4326, 4351, 4370, 4371, 4384, 4390, 4398, 4V99, 4VC5; nine semester hours of Theatre performance electives (at least six advanced semester hours) from: 1103, 1104, 2101, 2103, 2104, 2113, 2114, 2302, 3103, 3104, 3113, 3114, 3297, 3298, 3301, 3302, 3304, 3325, 4102, 4103, 4104, 4113, 4114, 4297, 4298, 4301, 4335, 4365, 4366, 4395, 4VC5, 4V99; and nine semester hours of Theatre Critical Studies electives from: 3304, 3333, 3341, 4377, 4378, 4379, 4V99, 5308.
- 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.

## **UNIVERSITY SCHOLARS PROGRAM**

(See Honors College.)

## **INTRAUNIVERSITY PROGRAMS**

### **AMERICAN STUDIES**

The program in American Studies offers a comprehensive knowledge of American institutions and culture and prepares students for the world of practical affairs. The basic program consists of courses in a variety of areas of study which 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.

## **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 AMS courses numbered 3000 or above, but no more than twelve credits from one area such as history, political science, or religion, etc. (Note: Some areas have less than twelve credits offered.)
- Area choices:
- a. AMS (English): AMS 3377, 3380, 3390, 4370, 4375, 4378, 4379, 4380, 4387, 4389, 4391, 4394, 4399.

- b. AMS (History): 3360, 3362, 3371, 3381, 4339, 4355, 4362, 4363, 4365, 4368, 4371, 4373, 4374, 4382, 4383, 4384, 4386, 4392, 4395, 4396, 4398.
- c. AMS (Philosophy) AMS 4318, 4342, 4V99.
- d. AMS (Political Science): AMS 3310, 3320, 3322, 3330, 3339, 3353, 4300, 4361, 4381.
- e. AMS (Religion): AMS 3339, 3344, 3362, 4336, 4338, 4393.
- f. AMS (Sociology/Anthropology): AMS 3311, 3350, 4322, 4340, 4366.
- g. AMS (Music/Art/Theatre Arts): AMS 3321, 3323, 4326, 4357, 4358.
- h. AMS (Journalism/Communication): AMS 3376, 4359, 4397.

*Note: A course cannot count in two areas. (For instance, AMS 3362 cannot be counted as HIS 3362.)*

### 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 AMS courses numbered 3000 or above with no more than nine credits in any one area such as history, political science or religion, etc .

## COMPUTER SCIENCE

### B.A. Degree

#### Requirements for a Major in Computer Science

Thirty-six 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 maximum of four hours of “D” in required computer science courses will be allowed. A grade of “C” or better is required in all but one of the computer science courses used for the major.

Required courses in other fields:

- a. ENG 3300.
- b. MTH 1321
- c. STA 2381 or 3381. (Note: “C” or better in MTH 1322 is the prerequisite for STA 3381.)
- d. CSS 3308.

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

1. CSI 1430, 1440, 2334, 2350, 3334, 3335, 3336, 3344, 3471 and 4337.
2. Computer Science: Three semester hours of “3000” or “4000” level computer science electives.
3. A maximum of four hours of “D” in required computer science courses will be allowed. A grade of “C” or better is required in all but one of the computer science courses used for the major.

Required courses in other fields:

- a. The requirements of any minor conferred by the College of Arts and Sciences other than the computer science minor.
- b. ENG 3300.
- c. MTH 1321
- d. STA 2381 or 3381. (Note: “C” or better in MTH 1322 is the prerequisite for STA 3381.)
- e. CSS 3308.

*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 3303, 3305, 3410, 4320; MIS 1305, 3150, 3301, 3325.*

#### Requirements for a Minor in Computer Science

Specific requirement for the minor are designated in the School of Engineering and 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 and 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.

## CRIMINAL JUSTICE MINOR

### 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 (CCS 3302)
  - 2. Three semester hours: SOC 4352
  - 3. One semester hour: CCS 1102
- C. Public Policy, Law, and Criminal Justice – Six semester hours selected from: CCS 3372/PSC3372, CSS 3306, 3307, PSC 3312, 3320, 3321, 3322, 4321, 4330, 4381, SOC 3360, 3361, PSY 3321 3321, 3330.
- D. Internship – Three semester hours selected from: PSC 3382, 3392, 3398

## ECONOMICS

### 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.
- B. Nine semester hours of “4000” level economics electives.
- C. Six semester hours of additional “3000–4000” level economics electives.

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

Required courses in other fields:

- A. MIS 1305 or computer literacy.
- B. Math and Statistics
  - a. MTH 1321 and
  - b. STA 1380 or QBA 2302.

*Courses in mathematics, the social sciences, or business administration are suggested electives.*

### B.S. Degree

#### Requirements for a Major in Economics

Twenty-seven semester hours including the following:

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

*\*Students may waive this requirement by satisfying one of the following: 1) SAT math score of 650 or higher or its equivalent; 2) a grade of A in MTH 1321 at Baylor; or 3) permission of the department chair. If ECO 2306 and/or 2307 are skipped, then additional courses in economics must be taken in lieu of the bypassed courses.*

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

*Note: Economics courses cannot be used to meet the basic social science requirement for the B.S. degree.*

Required courses in other fields:

- A. MTH 1321.
- B. STA 2381.
- 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 1406; One GEO from: 1401, 1402, 1403, 1405, 1408; NSC 1306-1106; PHY 1420; PHY 1430.
- D. Twenty additional semester hours of science and mathematics, selected from one or more of the following: biology, chemistry, geology, physics, psychology/neuroscience, environmental studies, and/or mathematics (excluding Mathematics courses taken to satisfy requirement above).

All courses must count toward the major in the respective departments.

*Note: MTH 1322 may be required for graduate school.*

*Note: Credit is not allowed in ECO 1305 and ECO 2306 and/or 2307.*

*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

## **GENDER STUDIES MINOR**

### **Requirements for a Minor in Gender Studies**

Gender Studies maintains that while biology determines one's sex, society defines one's gender. Gender is a social construct that is studied in courses throughout the College of Arts and Sciences. Gender Studies courses allow the student to move beyond male and female appearance, family roles, dress, politics, employment, and religious positions to the origins and ramifications of gender roles.

Both the female and male students can utilize a Gender Studies minor to study the world and its inhabitants from the perspective of gender. The basic program consists of courses in various departments which students can combine according to their interests. The objective is to examine critically the construction of gender as a category in which we find ourselves.

Eighteen semester hours including the following:

- A. Three semester hours: SOC 2310
- B. Fifteen semester hours selected from the following: CSS 3311; CSS 4396; ECO 3335; ENG 4370; FCS 1315; FCS 3350; FCS 4356; HIS 4350; HIS 4378; NUR 4357; PHI 3320; PSY 3360; REL 3338; REL 4338; SOC 3305; SOC 3330; SOC 3354; SOC 4393.

*Note: Occasionally special topics courses in various departments within the College of Arts and Sciences concentrate on gender issues. When appropriate content is offered, such courses may apply to the minor with approval of the Director of Gender Studies program and the Office of the Dean.*

## **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 or internship abroad.
- 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. Three hours from PSC 3304 (Comparative Politics) or PSC 3324 (World Political Systems)
- 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 3355; 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; AST 2380; AST 4350; AST 4V80; ECO 4335; HIS 3307; HIS 3340; HIS 3342;  
HIS 4305; PSC 4325; PSC 4364; PSC 4374; REL 4332; REL 4346; SEES 2380; SEES 2381
  3. Middle East and Africa  
CHS 4314; HIS 3310; HIS 3311; HIS 3315; HIS 4312; HIS 4313; MES 2301; MES 4V01;  
PSC 4334; REL 2342; REL 4343
  4. Europe and the United States  
AS 4301; AS 4302; ANT 3301; CSS 4353 or PSC 4335; FRE 3337; FRE 3338; HIS 2389;  
HIS 3308; HIS 3344; HIS 4328; HIS 4336; HIS 4339; HIS 4343; HIS 4392; PSC 3392;  
PSC 3345; PSC 4316; PSC 4324; PSC 4335; PSC 4354; PSC 4389; 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 1310; ANT 2305; ANT 3320; ANT 3350; ANT 4305; ANT 4306; ANT 4320;

ANT 4325; ANT 4350; BL 4320; ENV 4310; FCS 4356; GEOG 1300; GEO 4312  
HED 4340; JOU 3387; PSC 3301; PSC 3304; PSC 3314; PSC 3320; PSC 3324; PSC 3325;  
PSC 3375; PSC 4303; PSC 4305; PSC 4315; PSC 4355; PSC 4365; PSC 4375; PSC 4385;  
SWO 4V80 (Human Trafficking).

2. Economics

INB 3305; BUS 3310 (Summer in Europe); ECO 4334; ECO 4338; ECO 4343; FIN 4331;  
MKT 4325

3. Belief Systems

CHS 3399; CHS 4360; HIS 3395; PHI 3305; PHI 3312; PHI 4340; PHI 4341; PSC 3363;  
PSC 3373; PSC 4379; PSC 4383; REL 3345; REL 3394; REL 4331; REL 4340; REL 4348

- 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 language course, in addition to the University basic language requirement. 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.

B. Intensive version

1. Six hours of advanced ("3000" or "4000" level) modern language courses, in addition to the University basic language requirement. 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.
2. Study or Internship Abroad.

## MEDICAL HUMANITIES

### B.A. Degree

#### Requirements for Major in Medical Humanities

Thirty semester hours including the following:

I. Core course requirements—Fifteen semester hours selected from the following:

MH 1103 (cross-listed with PHP 1103); MH 1106 (cross-listed with PHP 1106)  
MH 1303 (cross-listed with FAS 1303); MH 1307 ((will not apply on basic social science requirement; PHI 1307 will not apply on Medical Humanities major or minor); MH 2301;  
MH 3300; MH 3345 (cross-listed with REL 3345); MH 4300 (cross-listed with HIS and PHI 4300); MH 4310 (cross-listed with SOC 4310); MH 4312 (cross-listed with NSC and PSY 4312); MH 4325 (cross-listed with ENG and PHI 4325); MH 4350 (cross-listed with ECO 3450); MH 4351; MH 4363 (cross-listed with PHI 4363); MH 4395 (cross-listed with REL 4395); PSY 3341

II. Electives – Minimum fifteen semester hours but no more than six hours in any of the following categories (except the MH category): Note: Courses selected as core requirements will not also apply on this requirement.

Anthropology: ANT 4325, 3330; Biology: BIO 4370; Economics: ECO 4350; Freshman Academic Seminar: FAS 1303; Health Education: HED 2330, 3314, 4321, 4327, 4340, 4341, 4355; History: HIS 4300; Medical Humanities: MH 1103, 1106, 1303, 1307, 2301, 3300, 3345, 4300, 4310, 4312, 4325, 4350, 4351, 4363, 4395; Philosophy: PHI 3301, 4300, 4310, 4325, 4360, 4363; Political Science: PSC 3322; Psychology/Neuroscience: NSC 4312, PSY 3321, PSY 3341, PSY 3355, PSY 4312, PSY 4355; Religion: REL 3345, 3390, 4395; Sociology: SOC 2310, 3330, 4310, 4353

#### Requirements for Minor in Medical Humanities

The Medical Humanities Minor is intended primarily for undergraduate students entering health care professions. The purpose of the Medical Humanities Minor 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 Minor 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.”

Eighteen semester hours including the following:

- I. Core course requirements—Nine semester hours selected from the following:  
MH 1103 (cross-listed with PHP 1103); MH 1106 (cross-listed with PHP 1106); MH 1303 (cross-listed with FAS 1303); MH 1307 (will not apply on basic social science requirement; PHI 1307 will not apply on Medical Humanities major or minor); MH 2301; MH 3300; MH 3345 (cross-listed with REL 3345); MH 4300 (cross-listed with HIS and PHI 4300); MH 4310 (cross-listed with SOC 4310); MH 4312 (cross-listed with NSC and PSY 4312); MH 4325 (cross-listed PHI 4325); MH 4350 (cross-listed with ECO 4350); MH 4351; MH 4363 (cross-listed with PHI 4363); MH 4395 (cross-listed with REL 4395); PSY 3341.
- II. Electives—Minimum nine semester hours but no more than six hours in any of the following categories (except the MH category): NOTE: Courses selected as core requirements will not also apply on this requirement.  
Anthropology: ANT 4325, 3330; Biology: BIO 4370; Economics: ECO 4350; Freshman Academic Seminar: FAS 1303; Health Education: HED 2330, 3314, 4321, 4327, 4340, 4341, 4355; History: HIS 4300; Medical Humanities: MH 1103, 1106, 1303, 1307, 2301, 3300, 3345, 4300, 4310, 4312, 4325, 4350, 4351, 4363, 4395; Philosophy: PHI 3301, 4300, 4310, 4325, 4363, 4360; Political Science: PSC 3322; Psychology/Neuroscience: NSC 4312, PSY 3321, PSY 3341, PSY 3355, PSY 4312, PSY 4355; Religion: REL 3345, 3390, 4395; Sociology: SOC 2310, 3330, 4310, 4353

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, with the exception that music may **not** be used to fulfill one of the fine arts requirements.

Bachelor of Arts students with music majors are required to complete successfully six semesters of MUS 1001, Recital/Convocation Attendance.

Major – Music (Applied Studies):	sem. hrs.
Hours Required:	51
Music Theory 1301, 1101, 1302, 1102, 2301, 2101, 2302, 2102, 3301	19
Music History – Any three courses from 3324, 3325, 3326, and 3327	9
Ensemble	4
Students must be enrolled in an ensemble each of four semesters.	
Applied Music – Secondary Area	3
When the emphasis area is in piano, these hours must be completed in another applied area.	
Students must pass piano level III.	
Applied Music – Emphasis Area	8
Students seeking the Bachelor of Arts degree with a major in Music must be advised through the School of Music.	
Applied Music – ADVANCED courses in Emphasis Area	8
Recital Required	credit
Students in the Applied Studies track must complete a thirty-minute recital.	

Major – Music (Academic Studies):	sem. hrs.
Hours Required:	51
Music Theory 1301, 1101, 1302, 1102, 2301, 2101, 2302, 2102, 3301	19
Music History 3324, 3325, 3326, and 3327	12
Ensemble	4
Students must be enrolled in an ensemble each of four semesters.	
Applied Music	8

- Students must pass piano level III.
- Students seeking the Bachelor of Arts degree with a major in Music must be advised through the School of Music.
- Two upper-level Academic Music courses ..... 6
- MUS 4280 ..... 2

**Requirements for a minor in music:**  
See the School of Music section of this catalog.

**RECREATION MINISTRY MINOR**

**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 each of 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.
- 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 any university or hospital School of Clinical Laboratory Science with an accredited curriculum. The clinical training is a twelve-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; Scott and White Memorial 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. The additional courses listed:
  - BIO 1305-1105, 1306-1106, (1402 or 4401), 2306-2106, 4301, 4306-4106, and 4001.
  - CHE 1301-1101, 1302-1102, 3238, 3331, 3332.
  - MIS 1305
  - PHY 1405.
  - MTH 1321.
  - MTH 1322 or STA 2381.
- C. Sufficient electives, if needed, to bring the total credit to a minimum of ninety-four semester hours, with at least a “C” average.



- D. The residence requirement of a minimum of sixty semester hours, including the last thirty hours of the preprofessional program requirements, must be completed in the College of Arts and Sciences at Baylor. Before leaving the Baylor campus, students must file with the Office of Degree Plans their new mailing address and the name of the accredited School of Clinical Laboratory Science they will attend.
- E. Students must complete the curriculum in Clinical Laboratory Science at any school accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 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.
- F. 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.

**FORESTRY**

**B.A. or B.S. Degree**

**Requirements for a Major in Forestry**

An affiliation between Baylor University and Duke University provides a course of study in the liberal arts and in forestry or environmental studies. This course of study requires the successful completion of ninety-six semester hours (a minimum of sixty hours in residence at Baylor, including all of the last thirty hours) of specified preprofessional courses. Baylor University confers either the bachelor of arts or bachelor of science degree after the completion of the first year of professional courses at Duke University. Following the successful completion of at least sixty semester hours in the Nicholas School of the Environment and Earth Sciences at Duke University, the student will be eligible for either the master of forestry or master of environmental management degree depending upon the area of specialization in the Nicholas School of the Environment and Earth Sciences.

The program requires:

- A. The basic requirements for the bachelor of arts or the bachelor of science degree.
- B. The specific courses listed below: **sem. hrs.**
  - 1. B.A. Degree:
    - a. MTH 1304\*, 1321, 1322 .....9  
*\*Advanced Placement: It is urged that MTH 1304 be replaced with higher mathematics.*
    - b. BIO 4406 or 4416 .....4
    - c. CHE 1300, 1100 and 1341, 1146 .....8
    - d. PHY 1408, 1409 .....8
    - e. ECO 2306, 2307 .....6
    - f. HIS 1305 and 1306, or 2365 and 2366 .....6
  - 2. B.S. Degree:
    - a. MTH 1304\*, 1321, 1322, 2321, 3325 ..... 15  
*\*Advanced Placement: It is urged that MTH 1304 be replaced with higher mathematics.*
    - b. BIO 4406 or 4416 .....4
    - c. CHE 1301-1101, 1302-1102 ..... 9
    - d. PHY 1420, 1430 .....8
    - e. ECO 2306, 2307 .....6
    - f. Additional credit in science and mathematics .....6 to 8
- C. Major in Forestry .....30
  - 1. Completion of thirty semester hours of forestry courses at Duke University. Courses taken at Duke University to apply toward an environmental studies major will not apply toward the forestry major.
  - 2. A second major in Environmental Studies is required.
- D. Major in Environmental Studies.....28 to 30
  - 1. A major in Environmental Studies must be completed. See the catalog listing under the Department of Environmental Science for the requirements for the required major in Environmental Studies.
  - 2. Environmental Studies electives in the major: A student may opt to take six semester hours of the advanced-level electives (required for the minimum hours in the Environmental Studies major) from the professional program at Duke University. These courses will not apply toward the forestry major.

*New participants must meet with the department chair for advisement concerning the environmental studies major no later than the junior year.*

## PRE-PROFESSIONAL PROGRAMS

### PRE-BUSINESS PROGRAM

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

### PRE-NURSING

(See Louise Herrington School of Nursing section of this catalog.)

### PRE-LAW

Pre-Law at Baylor University is not a major. Rather, it is a pre-professional track available to all undergraduate students. Pre-Law is, therefore, very different from the Pre-Health program because there is not a specific set of courses that a student must take. Likewise, there are no pre-determined majors for Pre-Law students. The American Bar Association and other Pre-Law experts recommend that students maximize their education by taking the most rigorous and demanding classes possible. It is important for a Pre-Law student to find a major in which he or she is deeply interested, and Baylor has a number of advisors who can assist students with that decision.

Baylor University has a Pre-Law Coordinator and Pre-Law Advisory Council with members who are faculty and staff from a variety of disciplines across campus. These Pre-Law contacts are available to meet throughout the year with prospective and current Baylor Pre-Law students. They can help the student discern whether or not law school is a good fit, advise on major/minor and course selection, and assist the student with the application process. They have created a *Pre-Law Guide* and *Pre-Law Timeline* that contain detailed recommendations on each stage of Pre-Law preparation. These documents are available on the Baylor Pre-Law website at <http://www.baylor.edu/prelaw>. Please see the website for the list of Pre-Law contacts.

Students wishing to add or delete the Pre-Law designation on their student records should see an advisor. Freshmen should see an advisor in Academic Advisement. Sophomores, juniors, and seniors should see an advisor either in the College of Arts and Sciences Advisement offices or in the advising offices of the college or school housing their major.

### PRE-HEALTH PROGRAMS

The Baylor Pre-health Studies Office, located in the Baylor Sciences Building (Room B. 111) provides resources for the following pre-professional areas. Students should verify that they have the appropriate pre-health designator on their records in order to access program information on the Blackboard website. To add or change a pre-health designator, students may see their academic or pre-health advisor.

Maintaining close contact with the professionals in the Pre-health Studies Office 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 each workshop are posted on relevant Blackboard lists, depending on the student's designated interest.

### 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, scores on the Medical College Admission Test or the Dental Admission Test, the Evaluation Report of the Pre-medical-Pre-dental Advisory Committee, and a personal interview at the professional school.

The minimum requirements for admission to a majority of the dental and medical schools to which Baylor students apply are:

Biology*+ .....	4 semesters
Chemistry*+ including one year of general and one year of organic .....	4 semesters

English .....	2 semesters
Mathematics: calculus and statistics (depending on medical school) .....	2 semesters
Physics* .....	2 semesters
*As required of science majors; includes required formal laboratory work.	
*Some medical and dental schools now require biochemistry (CHE 4341).	

**The student should determine any specific course requirements and recommendations of the professional schools to which application is to be made.**

**Recommended courses for pre-professional preparation**

Those courses in the College of Arts and Sciences which are recommended as providing strong pre-professional preparation and as meeting the minimum admission requirements of most dental and medical schools are listed below. Recommended electives are in parentheses.

- BIO 1305-1105 and 1306-1106 plus two courses selected from 2306, 3330, 3422, 3429, 4301, 4306-4106, 4307-4107, 4308-4108, 4401, 4426, etc.
- CHE 1301-1101, 1302-1102, 3331, 3332, 3238 (4316 and 4217, 4321 or 4327, 4127, 4322, 4128, 4341, 4342).
- ENG 1302, 1304 or 3300, 2301, 2304 or 2306 (“3000”-“4000”).
- MTH 1321 and STA 2381.
- PHY 1420\*\* and 1430\*\* or 1408 and 1409.
- \*\*For students completing MTH 1321 and 1322.

It is recommended that students seek advice in the Pre-health Studies Office, BSB. B.111 or email:prehealth@baylor.edu.

**Dual Admissions**

Baylor University has a dual admission program with Baylor College of Medicine (The Baylor<sup>2</sup> Medical Track). Details are available on the Pre-health homepage at <http://www.baylor.edu/prehealth>.

**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 Prehealth Studies Office; 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 pre-professional course work, an acceptable Optometry Admission Test (OAT) score, and a pre-professional evaluation.

Course	sem. hrs.
General Biology*	8
General Chemistry*	8
English Composition .....	6
English Literature .....	6
Anatomy* .....	4
Mathematics .....	3
Bacteriology* and Human Physiology*	8
Organic Chemistry* and Biochemistry*	8
Physics* .....	8
Psychology .....	3
Statistics .....	3
*As required of science majors; includes required formal laboratory work.	

Recommended Courses for Preoptometry:

- BIO 1305–1105; 1306–1106; 4401 or 1402; 3429 or 2401
- CHE 1301-1101, 1302-1102, 3331, 3332\*\*, 3238; 4341
- ENG 1302 or 1304 or 3300; 2301; 2304 or 2306
- MTH 1304; 1321 or 1322
- PHY 1420\* and 1430\* *or* 1408 and 1409
- \*For students completing MTH 1321 and 1322.*
- PSY 1305
- Statistics: STA 1380, 2381, 3381; or PSY 2402; or SOC 3402.

Further information and advisement are available in the Prehealth Studies Office, 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 Pre-health Studies Office; 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. Prerequisite lists are available in the Prehealth Studies Office; 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). Prerequisite lists are available in the Prehealth Studies Office; 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 Prehealth Studies Office; 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.

Course	sem. hrs.
Biology .....	8
General Inorganic Chemistry .....	8
Organic Chemistry .....	8
Physics .....	8
English .....	6

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. (Requirements are for TAMU are listed on their website: <http://www.cvm.tamu.edu/bims/dvm/baylor.shtml>)

The pre-professional course of study for veterinary medicine requires the following courses (additional recommended courses in parentheses).

The student should determine any specific course requirements and recommendations of the professional schools to which they plan to apply.

	sem. hrs.
BIO 1305-1105, 1306-1106; 4401; 2306/2106 or 3330 . . . . .	11-16
CHE 1301-1101, 1302-1102, 3331, 3332, 3238; 4341 and 4342 . . . . .	14-17
ENG 1302, 230(1,4,or 6), and 3300 . . . . .	9
CSS 1301 or 3311 . . . . .	3
MTH 1321 or STA 2381 or STA 3381 . . . . .	3
Animal Nutrition** . . . . .	3
General Animal Science** . . . . .	3
PHY 1408 and 1409 or 1420*** and 1430*** . . . . .	8

*\*For students completing BIO 1306-1106.*  
*\*Animal Nutrition and General Animal Science are not offered at Baylor University. Check TAMU website for schools offering these requirements.*

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.

Further information and advisement are available in the Prehealth Programs Office, One Bear Place #97341, Waco, TX 76798-7341; 254-710-3659.

**ADVISORS IN THE COLLEGE OF ARTS AND SCIENCES**

Aerospace Studies	Lt Col Wooten, Maj Lamkin, Cpts Garza and Sobieski
American Studies	Dr. Ferdon
Anthropology	Drs. Cook, Offit, Alexander, Arbuckle, Baker, Binetti and Mrs. Macaulay Jameson
Apparel Design and Product Management	Ms. Fader
Apparel Merchandising	Drs. Divita, Brunson, Yoo
Art	Profs. Anderson, Barber and Force
Asian Studies	Dr. Xin Wang
Aviation Sciences	Mr. Compton
Biblical and Related Languages	Dr. Burnett
Biochemistry	Drs. McGrath, Hodson, R. Klausmeyer Primrose, Jonklaas
Biology	Drs. Abel, Adair, Hartman, Harvill and Moehnke
Chemistry	
BA	Dr. Hassell
BS	Drs. Gipson and de Mesa
Child and Family Studies	Drs. Horner, Nuner, and Crow
Church-State Studies, Institute of	
Classics	Dr. A. Smith
Clinical Laboratory Science	Dr. Moehnke
Communication Sciences and Disorders	Ms. Wrzesinski, Ms. Rainer, and Ms. Powell
Communication Specialist	All Department Faculty
Computer Science	
Earth Science	Drs. Greene, Bonem, Atchley
Economics	Dr. Green
English	Drs. Vitanza, Ford, and Faculty
Environmental Science	All Departmental Faculty
Family and Consumer Sciences	Dr. Baier
Family Studies	Drs. Crow, Nuner, Smith, McAninch
Film and Digital Media	All Film and Digital Media Faculty
Forestry	All Environmental Science Faculty
French	Drs. Durán and Uber
Gender Studies	Ms. Mueller
Geology/Geophysics	Drs. Bonem, Yelderman
German	Drs. McGlashan, Wisely
Great Texts	Dr. S. Moore
Greek	Dr. A. Smith
History	Drs. Hamilton, SoRelle
Interior Design	Dr. Bowen, Ms. Brown, Ms. Feilner
International Studies	Drs. Adams, Hamerly, Clinton
Journalism, Public Relations and New Media	Drs. Stone, Baker, Ms. Bracken, Mr. Parrish, and Mr. Tankersley
Language and Linguistics	Dr. Butler
Latin	Dr. A. Smith
Latin American Studies	Dr. Souza-Fuertes
Mathematics	Drs. Cannon, Raines, Mathis, Morgan
Medical Humanities Minor	Drs. Attas, Barron, Marcum
Middle East Studies	Dr. J. Mark Long
Military Science	Lt Col Agor
Museum Studies Minor	Dr. Holcomb
Music	Drs. R. Wallace, G. Green
Neuroscience	Dr. Achor
Nutrition Sciences	Drs. Soliah, Walter, Weems
Philosophy	Drs. Beaty, Buras
Physics	Drs. Ariyasinghe, Dittmann, Kinslow, Park
Political Science	Drs. Curry, Brown, Allman, D. Nichols, P. Flavin, C. Nichols, D. Corey, Bridge, and Waltman

Professional Writing  
Psychology  
Religion  
Russian  
Slavic and East European Studies  
Sociology  
Spanish  
Speech Communication  
Statistics  
Theatre Arts  
University Scholars  
World Affairs Minor

Dr. Vitanza and Faculty  
All Departmental Faculty  
Drs. Weaver, Dodson, Coker  
Dr. B. Michael Long  
Dr. B. Michael Long  
Mr. Randy Jacobs  
Drs. Larson, Thomas  
All Speech Communication Faculty  
Drs. J. Tubbs, J. Hill  
Ms. L. Denman  
Drs. A. Smith, Durán, Miner  
Dr. McManness

#### **FACULTY AND STAFF ADVISORS**

Prehealth Studies

Dr. Richard Sanker, Ms. Linda Brodie Haynes,  
and Ms. Jane Lin

Pre-Law

#### **PROFESSIONAL ADVISORS**

College of Arts and Sciences Advisement (CASA)

# Hankamer School of Business





## HANKAMER SCHOOL OF BUSINESS FACULTY

Terry S. Maness, D.B.A. .... Dean  
 Gary R. Carini, Ph.D. .... Associate Dean, Graduate Programs  
 Mark G. Dunn, Ph.D. .... Associate Dean, Undergraduate Programs  
 Jeff F. Tanner, Ph.D. .... Associate Dean, Research and Faculty Development  
 Anne B. Grinols, M.S. .... Assistant Dean, Faculty Development and College Initiatives  
 Krista A. Meek, M.S.Ed. .... Assistant Dean, Undergraduate Programs

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 Suzanne C. Abbe, M.B.A.  
 Martha E. Agee, J.D.  
 Jane N. Baldwin, Ph.D.  
 Laurie L. Burney, Ph.D.  
 Gia M. Chevis, Ph.D.  
 Elizabeth B. Davis, Ph.D.  
 Cari C. Edison, M.B.A.  
 Paul R. Erickson, J.D.  
 Carolina D. Ford, Ph.D.  
 Anthony Herrera, M.S.  
 David N. Hurtt, Ph.D.  
 R. Kathleen Hurtt, Ph.D.  
 Becky A. Jones, M.B.A.  
 Bradley E. Lail, Ph.D.  
 Noel Blake LeCrone, J.D.  
 Jason E. MacGregor, Ph.D.  
 Patricia H. Nunley, J.D.  
 Michael A. Robinson, Ph.D.  
 Charles Wm. Stanley, Ph.D.  
 Martin T. Stuebs, Ph.D.  
 C. William Thomas, Ph.D.  
 Tim S. Thomasson, M.Tax  
 Brett R. Wilkinson, Ph.D.  
 Betsy B. Willis, M.Tax

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 Linda K. Carter, Ph.D.  
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 Thomas S. Haines, M.H.A.  
 James W. Henderson, Ph.D.  
 Karen R. Johnson, M.I.M.  
 Thomas M. Kelly, Ph.D.  
 Joseph A. McKinney, Ph.D.  
 Kimberly D. Mencken, M.S.  
 Charles M. North, Ph.D.  
 Van Pham, Ph.D.  
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 James R. Garven, Ph.D.  
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 J. William Petty, Ph.D.  
 J. Franklin Potts, Ph.D.  
 Tom L. Potts, Ph.D.  
 William R. Reichenstein, Ph.D.  
 Steven P. Rich, Ph.D.  
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 Hope Koch, Ph.D.  
 Dorothy E. Leidner, Ph.D.  
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 Kris K. Moore, Ph.D.  
 Reagan M. Ramsower, Ph.D.  
 Cynthia Riemenschneider, Ph.D.  
 Juli C. Rosenbaum, M.A.  
 Nancy G. Sanchez, M.S.  
 John Tripp, Ph.D.  
 Jonathan K. Trower, Ph.D.  
 Randal L. Vaughn, Ph.D.  
 Robin L. Wakefield, Ph.D.  
 Randall L. Waller, Ph.D.  
 G. W. Willis, Ph.D.  
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AND ENTREPRENEURSHIP**

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Van D. Gray, Ph.D.

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Greg L. Leman, Ph.D.

P. Blaine McCormick, Ph.D.

Christopher J. Meyer, Ph.D.

Mitchell J. Neubert, Ph.D.

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Marlenne M. Reed, Ph.D.

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Donald R. Schreiber, M.S.

Elisabeth J. Umble, Ph.D.

M. Michael Umble, Ph.D.

Philip M. Van Auken, Ph.D.

Theodore L. Waldron, Ph.D.

William J. Worthington, Ph.D.

Ju-Chien Cindy Wu, Ph.D.

**DEPARTMENT OF MARKETING**

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Roger Davis, M.B.A.

Andrea L. Dixon, Ph.D.

Mark G. Dunn, Ph.D.

Richard W. Easley, Ph.D.

Charles H. Fifield, M.B.A.

Morris George, Ph.D.

Jerry W. Johnson, Ph.D.

Darryl Lehnus, Ed.D.

Charles S. Madden, Ph.D.

Ann M. Mirabito, Ph.D.

James A. Roberts, Ph.D.

John F. Tanner, Ph.D.

Kirk L. Wakefield, Ph.D.

William A. Weeks, D.B.A.

## 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.

### VISION

To be a leader among business schools engaging participants in both active learning and scholarly exploration in a community guided by Christian values.

### MISSION

The culture of the Hankamer School of Business at Baylor University is guided by Christian commitment and champions life-long learning, highly-regarded scholarship and service to others as its highest ideals. The School seeks to produce business leaders with recognized integrity, superior theoretical knowledge and practical skills of modern global business developed through an experiential learning environment. We engage a diverse group of undergraduate, graduate, executive students and alumni in a curriculum that produces graduates of value to business organizations and to their communities.

### VALUES

- Excellence in its students, faculty, staff, teaching, scholarship and in its reputation as an institution of higher learning;
- Integrity, Leadership, Service, Diversity, and Teamwork in its faculty, staff, and the students it delivers to the world;
- Relevance and Innovation in its subject matter, scholarship, and learning methods; and
- Christian Principles in its faculty and staff.

### ACCREDITATION

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

The Hankamer School of Business provides over 170,000 square feet of educational facilities located in the three-story Hankamer Building (1960) plus additional wings added over the years, and in the five-story Cashion Academic Center (1988). Conveniently located on the campus, the business complex extends from Fourth to Fifth Streets along Speight Avenue.

The complex provides state-of-the-art classrooms and offices for administrative staff and faculty, including the new Curb Learning Lab for Music and Entertainment Marketing, Southwest Securities Financial Markets Center and CNL Real Estate Learning Laboratory, as well as the 256-seat Kayser Auditorium, the John Graham Jones Student Center, the Blume Conference Center, the Graduate Center, the Advanced Technology Lab, the KPMG Tax Library and full banquet facilities.

## 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.

The KPMG Tax Library located in the Hankamer School of Business contains reference materials needed for effective tax research, including a major tax service and case law reference materials. In addition, the law library in the Baylor School of Law has a large collection of materials in the fields of taxation and insurance. These materials are available for use by business students.

## ADMINISTRATIVE OFFICES

Several administrative departments provide service to the school. These include the following offices and center:

Office of the Dean  
Undergraduate Programs Office  
Graduate Programs Office  
Communications and Marketing Office  
Financial Administration and Budget Office  
Casey Computer Center

Debbie Magee, Assistant to the Dean  
Krista Meek, Assistant Dean  
Laurie Wilson, Director  
Cynthia Jackson, Director  
Kent Frank, Manager  
Anthony Lapes, Director

## **Casey Computer Center**

Anthony Lapes, M.S.Ed., Director

Since Mr. and Mrs. Carl Casey generously provided the original equipment in 1962, the Casey Computer Center has offered 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 Dean Terry Maness.

Among the resources the Center currently provides are two computer labs equipped with desktop PCs. The Advanced Technology Lab, located on the second floor of the Cashion Building, includes 96 computers, one third of which are replaced every summer to ensure students have access to the computing resources they need. The Lab provides scanning and video editing capabilities on specialized stations as well as two high speed monochrome laser printers and a color laser printer. The Lab also contains three small presentation rooms that can be reserved for students to work on group projects and to prepare for and enhance their presentations. The Business Writing Lab, located on the fourth floor of the Cashion Building, houses 28 computers. While students enrolled in business writing classes have priority in using the computers, the lab is also used for a classroom setting or an overflow facility during times of peak usage. To maximize productivity in these labs, Center personnel maintain many categories of software applications and constantly evaluate updated versions of existing programs and recent software innovations.

To enhance the classroom experience for both students and faculty, the Center has equipped every classroom in the School of Business with computers and projection equipment. The Center also provides support for specialized classrooms within the School of Business: the Southwest Securities Financial Markets Center, the CNL Real Estate Learning Lab, the Curb Marketing and Entertainment Learning Lab, the Information Technology Learning Lab, and the Accounting Technology Teaching Lab. Most of these rooms are equipped with projection systems, document cameras, DVD and VCR capabilities and are controlled with a networked control system. All areas of the Business School 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 four videoconferencing systems throughout the School of Business.

While the Center is responsible for meeting the computer needs of the students, it also provides technology support for the faculty and staff including office computer support, individual technology consultation and web development. In addition, the Center staffs a Help Desk and a Graphics/ Desktop Publishing workstation.

## **PROFESSIONAL CENTERS**

### **John F. Baugh Center for Entrepreneurship**

J. David Allen, M.B.A., Director

The Center for Entrepreneurship began developing its programs in 1977 as part of the Center for Private Enterprise and Entrepreneurship. In 1984, the Center became an autonomous unit whose purpose was to interact with the entrepreneurial business community and to support entrepreneurial research and education. In 1988, the Center was named for the successful, highly respected entrepreneur John F. Baugh of Houston, Texas.

The Center has developed programs which assist the entrepreneur in a wide variety of areas while providing the student with an opportunity to become involved in actual business situations. The Center provides an evaluation of the commercial feasibility of inventions as potential new products through its Innovation Evaluation Program. Family-owned businesses are supported and encouraged through the center's Institute for Family Business, hosting seminars dealing with family business issues, providing specific family owned businesses with consulting services and recognizing the importance and benefits of family business through its annual Texas Family Business of the Year awards.

Accelerating interest in entrepreneurship has led the Center to place a high priority on academic research that is basic to the support of the educational process and to a better understanding of the theoretical issues underlying entrepreneurship and the problems faced by smaller firms. In support of research throughout the world, the center publishes the highly respected academic journal *Entrepreneurship Theory & Practice*.

Students may earn a major in entrepreneurship or social entrepreneurship at the undergraduate level and a concentration in entrepreneurship at the graduate level. A minor in Entrepreneurship or Social Entrepreneurship is available for non-business majors, and an entrepreneurship certificate is available for engineering students.

Recognizing the ever-increasing importance of the global marketplace, the center coordinates study abroad entrepreneurship programs in Africa, China, the Caribbean, and Europe. The center supports cross-campus entrepreneurship through its sponsorship of the Collegiate Entrepreneur's Organization. In addition, students are encouraged and aided in forming start-up businesses which can be incubated in the BARI Center and potentially financed by the Baylor Angel Network.

### **Institute for Family Business**

J. David Allen, M.B.A., Executive Director

The Institute for Family Business was established in 1987 within the Baugh Center for Entrepreneurship to assist family-owned or family-controlled businesses by providing a forum for discussion of the unique challenges and opportunities that owners face. The institute provides counseling and referral services to those involved in managing and transferring family businesses.

The Institute offers family business forums, seminars and educational opportunities related to issues confronting the family-owned or operated businesses. It draws on the expertise available on campus as well as nationally known practitioners in the field. The institute conducts the annual Texas Family Business of the Year awards program, which recognizes successful family owned businesses across the state.

### **Entrepreneurship Living and Learning Center**

Mary Abrahams, M.B.A., Manager

The Entrepreneurship Living and Learning Center (ENT LLC) is an exciting opportunity created to provide housing and academic support for entrepreneurially-minded students from all fields of study, including but not limited to business and fashion design to music, sociology, theatre or medicine. This is the first housing option specifically dedicated to those students with a common interest in innovation and entrepreneurship, including space and tools needed for developing student-led businesses. Housed in the North Village, the ENT LLC seeks to assist students to more fully develop their entrepreneurial capabilities by offering mentoring between upperclassmen and freshmen, accessibility of faculty, discussion groups, lab support and opportunities to work with practicing entrepreneurs.

Our goal with the ENT LLC is not to teach entrepreneurship, but to allow students to imagine and embrace their leadership role and inspire each other to develop and enhance their own core skills, emerging from Baylor and the ENT LLC with the confidence and focus necessary to implement their own entrepreneurial life-plan.

### **Center for Business and Economic Research**

Thomas M. Kelly, Ph.D., Director

The Center for Business and Economic Research grew out of the Bureau of Business and Economic Research, which began operations in 1955.

The primary purposes of the center include:

- 1) To collect, analyze, and disseminate information pertinent to national, state and local business and economic problems.
- 2) To make available information that might be particularly useful in sustaining and improving the economic climate for the business community of the state, in general, and the Central Texas area, specifically.
- 3) To provide research and consulting services to public agencies with respect to economic problems and the use of economic data.

The Center pursues these purposes through media releases of the Waco Index of Business Activity and the estimated Consumer Price Index for Central Texas. Results of surveys and special studies are made available to local business firms, professional groups, and governmental agencies.

## **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**

Stan Madden, Ph.D., Director and Van Gray, Ph.D. Associate Director

The Center for Nonprofit Leadership and Service has as its purposes the teaching, research and outreach of best practices for nonprofit organizations. Students who wish to have another major can minor in Nonprofit Studies and prepare for a career leading nonprofit organizations. Students can major in Marketing and specialize in fund raising with a view toward leading organizations that make the world a better place. The Center also encourages and supports research on the most timely questions facing the nonprofit industry, while providing a forum for nonprofit leaders to share best practices.

## **Center for Private Enterprise**

Kimberly D. Mencken, M.S., Director

As part of the private sector, the Hankamer School of Business and Baylor University have an obligation to promote the understanding of the American economic system and to respond to the needs of those businesses that make the system work. In response to this obligation, the Center for Private Enterprise and Entrepreneurship was established at Baylor University in 1977. In 1984, the programs of the Center split into two autonomous units: private enterprise and entrepreneurship – the former of which works in the area of Private Enterprise Education.

The Center conducts a variety of programs designed to improve the understanding of the U.S. economic system by elementary and secondary teachers. Special emphasis is placed on programs dealing with teaching strategies and integrating economic understanding into the curriculum of the school. Graduate level courses, institutes, and workshops are funded by businesses and foundations. In addition to teachers' programs, conferences are conducted for outstanding high school seniors and for the general public, and economic education seminars are available to companies for their employees. The Center for Private Enterprise is affiliated with the Texas and National Councils on Economics Education.

## **Center for Professional Selling**

Andrea L. Dixon, Ph.D., Executive Director

Charles Fifield, M.B.A., John F. Tanner, Ph.D.,

and William A. Weeks, D.B.A. Associates

The Center for Professional Selling and Sales Management, established in 1985, was one of the first such collegiate units in the country. Its mission continues to be strengthening the relationship between the business world and academia through leadership, research, and innovation.

The Center is in the forefront of promoting professional selling as a collegiate major for students *and* in promoting the advantages of this field of study to companies, organizations, and other academic institutions.

The frontiers of knowledge in professional selling and sales management are continuously expanded through center research. Such investigation can be vital to students as well as businesses, whether large or small. Other center programs that strengthen the interface between business, faculty, and students deal with innovative teaching, industry dialogue, internships, and mentors for outstanding marketing students.

Center facilities include a state-of-the-art classroom and sales laboratory equipped with direct-to-web recording capability, five role playing suites (3 offices, 2 conference rooms), and a suite housing the Professional Sales faculty.

### **Center for Sports Sponsorship & Sales (S3)**

Darryl Lehnus, Ed.D., Director

The S3 Center serves two primary functions. First, the Center provides training in professional selling, particularly in the field of professional sports. Second, the Center offers cutting-edge research in the field of sponsorships and sponsorship valuation. The Center's advisory board of senior executives from over a dozen major professional sports franchises and like-number of major corporate sponsors of professional sports provide an avenue for students to gain hands-on experience in sports sales and sponsorships.

### **The Keller Center for Research**

Andrea L. Dixon, Ph.D., Executive Director

Through the initiative and gracious support of Gary Keller (BU 1979), the Keller Center for Research was established in 2006 to provide innovative research in the field of real estate marketing. In 2007, the Center began producing a periodical, the Keller Center Research Report, focusing on cutting-edge research that defines the dynamics of buyer-seller relationships and marketing issues faced by agencies and small business owners. The Center offers executive education and training seminars for professionals in marketing, sales, sales management, and customer relationship management.

### **Mayo McBride Center for International Business**

H. Stephen Gardner, Ph.D., Director and Joe McKinney, Ph.D., Associate 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 Instituto Tecnológico y de Estudios Superiores de Monterrey (Monterrey Tech) in Mexico, Middlesex University in England, Ecole des Hautes Etudes Commerciales (HEC) in Canada, the Université de Caen and the Institut Supérieur Du Commerce in France, the Stockholm School of Economics and the Jönköping International Business School in Sweden, Swinburne University in Australia, and Hong Kong Baptist University in China.

### **Robbins Institute for Health Policy and Leadership**

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. The MBA Healthcare Administration Specialization has already fulfilled one of the Institute's visions of national recognition for the quality of academic programming by achieving accreditation by the Commission on Accreditation of Healthcare Management Education in May 2010 followed by the program's #25 ranking in its first US News and World Report opportunity in March 2011. Building on the university's ties with health care organizations in the region, the Institute's external programming moves beyond the traditional academic setting to encompass executive education including a niche Executive MBA for health practitioners, clinicians and executives. In addition, the Institute supports the study of new approaches to health care policy, delivery and financing.

### **Southwest Securities Financial Markets Center**

Susan P. Etheredge, M.I.M., Managing Director

The Southwest Securities Financial Markets Center (FMC), established in January 2005, is a state-of-the-art facility created to bring the financial markets to the students, and the students to the financial markets. The Center is equipped with leading-edge technology replicating the equipment found in the



nation's top investment firms and other financial institutions. It was designed to create a boardroom type atmosphere, but have the functionality of a classroom, a videoconferencing suite, and a place for students and faculty to conduct financial research. It is one of the top facilities of its kind in the country.

Among its many uses, the FMC serves as the classroom and research center for students enrolled in the Practicum in Portfolio Management class. The graduate students and senior finance majors in this class receive hands-on learning in the truest sense of the word as they manage the Philip M. Dorr Alumni and Friends Endowed Investment Fund from the facility. The Fund is one of the largest student-run investment portfolios in the nation – worth approximately \$4.5 million at the end of December 2005. The Center, coupled with the Investment Fund, support the Business School's mission of engaging students in active learning. With access to realtime financial data and sophisticated tools, the students conduct analysis and make decisions like an institutional investment manager and have the skills to step into a portfolio management position upon graduation.

## HONOR SOCIETIES

**Beta Alpha Psi**, Suzanne Abbe and Bill Thomas, 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), Terry S. Maness, Jerry W. Johnson, and Randy Waller, 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.

**Financial Management Association National Honor Society**, Steven R. Rich, Advisor

The Baylor University Chapter of the Financial Management Association National Honor Society was established in 1979. The honor society is affiliated with the Financial Management Association International, a national association of finance academics and practitioners charged with the responsibility of integrating the business and academic communities. The aim of the society is to recognize those students who have excelled academically in the area of finance/financial services.

**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**, Patricia Nunley and Franklin Potts, Advisors

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**, Stan Madden and Chris Blocker, 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 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 member's understanding of current marketing trends.

**Association of Information Technology Professionals, Hope 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.

**Baylor Association for Human Resource Management, Joe A. Cox, Advisor**

The Baylor Association for Human Resource Management 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 Business Women, Migdalia Holgersson, Advisor**

Baylor Business Women 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.

**Baylor Investment Society**

The mission of the Investment Society is to provide a mutually supportive and positive learning environment for students, in which every member has the opportunity to develop the core values of investing, and networking which in turn fosters self-confidence and personal growth. The Investment Society holds monthly meetings where various professionals and finance faculty members are invited to speak on specific finance-related topics. Membership enables students to learn more about the finance industry as well as network with professionals and other like-minded individuals. Membership is open to students of all majors with a 2.5 GPA and above.

**Delta Sigma Pi, Kirk Hansen and Scott Bryant, Advisors**

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.

**Financial Management Association International, Colene L. Coldwell, Advisor**

Chartered in 1986, the Baylor University Chapter of the Financial Management Association International is open to all students interested in careers in the finance or financial services fields. Periodic meetings serve to introduce students to various career choices and to bring guest speakers who discuss current topics and applications of finance principles.

**Gamma Iota Sigma, J. Allen Seward, 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 Student Organization, Krista Meek, Advisor**

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.

**Pi Sigma Epsilon, Andrea Dixon, Advisor**

Pi Sigma Epsilon is the national professional fraternity in marketing, sales management and selling. This organization is dedicated to the promotion and education of the marketing and sales professions. The basic purpose of the organization is to aid its collegiate membership by acting as a "link" between academia and the students' professional futures. Through the Baylor chapter, students gain practical experience in sales, research, and other business and marketing activities. Chapter programs such as sales and marketing projects, research projects, business consulting, and community service projects allow students to apply knowledge to the real business world. Other programs such as business tours and speakers add to the students' understanding of current business trends.

**Sports Sponsorship & Sales Club, Darryl Lehnus and Kirk 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. Members will meet executives of professional sports franchises, either at club meetings or club visits to sporting events. Members are also eligible for internships in the field of sports that originate from contacts with the Center for Sports Sponsorship & Sales. Those interested in being selected as S3 majors their junior year are strongly urged to join the S3 club in their freshman year.

## 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, international economics, 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 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 KMPG-Thomas L. Holton Chair of Accounting  
 The Pat and Thomas R. Powers Chair of Investment Management  
 The Robert M. and Louise Rogers Chair of Entrepreneurship  
 The E. M. and Thelma Stevens Chair of Private Enterprise and Entrepreneurship

**PROFESSORSHIPS**

The J. E. Bush Professorship in Accounting  
 The Randall W. and Sandra Ferguson Professorship in Information Systems  
 The Frank M. and Floy Smith Holloway Professorship in Marketing  
 The Mrs. W. A. (Agnes) Mays Professorship in Entrepreneurship  
 The Walter Plumbhoff Professorship in Accounting  
 The R. E. and Marilyn Reamer Professorship in Accounting  
 The Dr. Joseph F. Schoen Visiting Professorship in Private Enterprise and Entrepreneurship  
 The W. H. Smith Professorship in Economics  
 The Edwin W. Streetman Professorship in Marketing  
 The Streich Family Professorship in Family Business and Succession  
 The Ben H. Williams Faculty Endowments

**FELLOWSHIPS**

The Ernst and Young Teaching Fellowship in Accounting  
 The William G. and Helen D. Habicht Faculty Fellowship  
 The KPMG Summer Faculty Fellowship  
 The Price Waterhouse Faculty Fellowship for Teaching Excellence in Accounting

**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 Charles R. and Janice M. Adams Scholarship Fund  
 The Mark Aigner Finance Scholarship Fund  
 The Sam L. Allen Endowed Scholarship Fund  
 The Alpha Kappa Psi Endowed Scholarship Fund  
 The Robert W. and Peggy A. Alspaugh Endowed Scholarship Fund  
 The Bank of America Endowed Scholarship  
 The American Marketing Association-Baylor Chapter Scholarship  
 The Charles W. Anderson Accounting Scholarship Fund  
 The Joseph and Kelly Armes Endowed Scholarship Fund  
 The Robert L. Bailes, Sr. Endowed Scholarship Fund in Accounting  
 The Bill and Donna Baker Endowed Scholarship Fund  
 The Kenneth Ball Scholarship Fund  
 The John F. Baugh Endowed Academic Scholarship Fund  
 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 Houston Endowed Scholarship Fund  
 The Mr. and Mrs. W. F. Beall Academic Scholarship Fund  
 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 James and Cornelia Blaine Endowed Scholarship Fund  
 The Brazos Higher Education Endowed Scholarship Fund in the Hankamer School of Business  
 The H.N. Broom Endowed Scholarship Fund in Management  
 The Danny R. and Marsha L. Bowlin Endowed Scholarship Fund in Business  
 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 Burkhart Scholarship in Accounting

The A. S. Burleson Memorial Scholarship  
The H. E. Butt Grocery Company Endowed Scholarship Fund  
The Madalene and James Reuben Butler Endowed Scholarship Fund  
The Lance and Lauren Byrd Endowed Scholarship Fund in Entrepreneurship  
The Callaway Foundation Endowed Scholars Fund  
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 Scholarship  
The Michael and Ann Cassell Scholarship in Accounting  
The William and Carolyn Chaney Endowed Scholarship Fund  
The Staden and Yonnie Chapman Endowed Scholarship Fund  
The Mary Ellen Chavanne Scholarship Fund  
The Delton I. Chesser Accounting Scholarship  
The Clifton Edward and Corin Watson Childs Scholarship Fund  
The L. B. Chonko Scholarship Fund  
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 Lucian and Suzanne Conway Endowed Scholarship Fund in Accounting  
The Carol Cooper Scholarship  
The Robert D. Cope 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 David W. and Christy B. Dauphin Endowed Scholarship Fund in Accounting  
The Deloitte & Touche LLP/Carroll L. Webb, Jr. 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 Philip M. Dorr Alumni and Friends Endowed Investment Fund (Scholarship awarded to support the portfolio management practicum)  
The James R. Drury Memorial Scholarship Fund  
The Ernst and Young Accounting Scholarship  
The James Franklin and Beverly H. Eberts Business School Endowed Scholarship Fund  
The Department of Economics Scholarship  
The William T. and Dorothy L. Edgar Accounting Scholarship Fund  
The Kay and Don Elliott Endowed Entrepreneur Scholarship Fund  
The EMBA Endowed Scholarship Fund  
The J. F. England Endowed Scholarship Fund in Professional Selling  
The A. David Ewing Memorial Scholarship Fund  
The Walter C. & Lillian Fadal Endowed Scholarship Fund  
The Kellie and Scott Fischer Endowed Scholarship Fund in Accounting  
The Curt and Donna Dee Floyd Endowed Academic Scholarship Fund  
The William D. Ford Endowed Scholarship Fund  
The Neil S. Foster Memorial Scholarship Fund  
The Jim and Xan Foulks 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 William Geldmeier, Jr., Accounting Scholarship Fund  
The Mr. and Mrs. Louis Theodore Getterman, Sr., and Mr. and Mrs. Emerson E. Holt Scholarship Fund  
The Bert Kenneth Geisler Endowed Scholarship Fund in Business  
The James B. Gilbreath Business Scholarship Fund  
The Gus B. and Betty S. Green Endowed Scholarship Fund

The J. Wiley Green Endowed Memorial Scholarship Fund  
The Jim and Debbie Greenwood Endowed Scholarship Fund  
The Guaranty Federal Bank Scholarship Fund  
The William G. and Helen D. Habicht Memorial Scholarship  
The Geraldine Hankamer Scholarship Fund  
The Hankamer School of Business Junior Achievement of Southeast Texas, Inc. Scholarship  
The Hankamer School of Business Scholarship  
The M. Lee and Millie Harris Endowed Scholarship Fund in the Hankamer School of Business  
The Gary W. and Deborah K. Harroz Endowed Scholarship Fund  
The Ellis & Helen Head Endowed Scholarship Fund  
The James C. and Donna L. Hollon Scholarship Fund  
The Frank and Floy Smith Holloway Scholarship  
The Huey Family Endowed Scholarship Fund  
The Jim and Ann Huffman Family Endowed Scholarship Fund in Accounting  
The Jackson Hughes Scholarship  
The John and Patricia Ikard Scholarship Fund  
The IKON Office Solutions, Inc. Endowed 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 Gary and Patricia Johnson Scholarship Fund  
The Jones/Hill Family Endowed Scholarship Fund in Accounting  
The C.W. Jones Memorial Scholarship Fund in the Hankamer School of Business  
The John Graham Jones Endowed Scholarship Fund in Entrepreneurship  
The Kanaly Family Endowed Scholarship Fund  
The Kathryn Kepner Jones Endowed Scholarship Fund  
The Robert and Katie Cunningham King Endowed Scholarship Fund  
The William Eugene and Eloise Eppner Kirkpatrick Endowed Scholarship Fund  
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 Chris R. and Julianna A. LeBlanc Endowed Scholarship Fund  
The Grady Henry Langford Memorial Endowed Scholarship Fund in Finance  
The R. Britt Langford Endowed Scholarship Fund in Business  
The William A. Lee Endowed Scholarship Fund in Business  
The Milfred L. and Mary Lee Lewis Endowed Academic Scholarship Fund  
The Herbert and Johanna Liebscher Endowed Scholarship Fund  
The Curtis F. Lightfoot Hankamer School of Business 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 Mr. and Mrs. Tom Lutz Hankamer School of Business Scholarship  
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 George M. and Bonnie L. Martin Endowed Scholarship Fund  
The Master of Tax Program Scholarship  
The Duane and Betty McCullough Endowed Academic Scholarship Fund  
The George and Janice McElroy 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 Margaret Wells Middlebrook Endowed Scholarship Fund in Business  
The Tom and Leslie Milam Scholarship Fund in Business  
The Bryan C. Miller, Jr. and Martha H. Miller Foundation Endowed Scholarship Fund  
The Mark and Lisa Miller Endowed Scholarship Fund  
The Carlos W. Moore Endowed Scholarship Fund  
The Sam Moore School of Business Scholarship Fund

The Pete and Thelma Casso Morales Endowed Scholarship Fund in Business  
The Ronald D. and Cheryl H. Murff Endowed Scholarship Fund in Business  
The Walton A. Nail Memorial Endowed Scholarship Fund  
The H. Hart Nance Endowed Scholarship Fund  
The Ward B. Nelson Memorial Endowed Scholarship Fund  
The Robert K. and Robin L. Nitsche Endowed Scholarship Fund in Business  
The Jeffrey K. and Leslie S. Norman Family Endowed Scholarship Fund  
The Lyndon Olson, Jr., Endowed Scholarship Fund  
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 Patrick Family Scholarship Fund  
The Mark H. and Susan L. Payne Endowed Scholarship Fund  
The Brian C. Pennington School of Business Scholarship Fund  
The J. William Petty Endowed Scholarship Fund  
The Verna Lou Bissett Pittman Memorial Endowed Scholarship Fund  
The PolySpec L. P. Endowed Scholarship Fund  
The Rogers and Joyce Pope Endowed Scholarship Fund  
The Tom and Pat Powers Family Endowed Scholarship in Business  
The Floyd W. and Frances Prather Scholarship Fund  
The Randy and Myra Pullin Endowed Scholarship Fund in Accounting  
The Price Waterhouse/Harold Dokupil Accounting Scholarship  
The James E. Pullen Memorial Endowed Scholarship Fund  
The Jack W. Redding, Jr. and Juli A. Redding Memorial Endowed Scholarship Fund  
The Curtis and Gerry Reierson Endowed Scholarship Fund  
The Anna T. Reiman Endowed Scholarship Fund in Business  
The Kent A. Reynolds Scholarship Fund in Business  
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 Ronnie and Mary Rudd Hankamer School of Business Scholarship Fund  
The John and Jo Ruzicka Endowed Scholarship Fund in Business  
The Scott J. and Susannah Spence Salmans Scholarship Fund in the Hankamer School of Business  
The Eduardo Santa-Cruz Memorial 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 Robert Scroggs Sales Scholarship Fund  
The William M., Jr. and Lee A. Shamburger Endowed Scholarship Fund in Accounting  
The John T. Sharp Accounting Scholarship Fund  
The Paul, Norma and Cody Shultz Endowed Scholarship Fund in Business  
The Bobby 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 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 Kara Roddy Stracener Memorial Business Scholarship Fund  
The James and Debra Standord Endowed Scholarship Fund in Business

The Striebeck Family Endowed Scholarship Fund  
The Anne and Basil Surgent Memorial Endowed Scholarship Fund  
The Karen and Jeff Tanner Endowed Scholarship Fund in Sales and Marketing  
The Tartaglino-Richards Family Endowed Scholarship Fund  
The Dr. Bill Thomas Endowed Scholarship Fund in Accounting  
The Brian and Karen Tinsley 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 E. L. (Jack) Trice Scholarship Fund  
The Dr. W. James Truitt Scholarship Fund  
The Harriet Tubman-Texas American Bank/Fort Worth Endowed Scholarship Fund  
The Joseph Platt, Jr., and Kathryn M. Turner Endowed Scholarship Fund  
The Tracy Schultz and Karen Turner Endowed Scholarship Fund  
The UHY Mann Frankfort Stein and Lipp Advisors, Inc. Endowed Scholarship Fund  
The O. G. Tyler Endowed Scholarship Fund  
The Reverend Virgil and Bonnie Vaughn Endowed Scholarship Fund  
The Jay and Corby Verdoorn Endowed Scholarship Fund  
The W.C. Walters Excellence Award  
The Charles W. Weathers Endowed Scholarship Fund  
The Temple and Jennifer Weiss Endowed Scholarship Fund  
The Richard B. and Becky D. Welday Endowed Scholarship Fund  
The Charles Floyd Wells, Jr. 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 (Entrepreneurship or Information Systems majors)  
The Willis Family Endowed Scholarship Fund  
The Frank C. and Elizabeth Anders Wilson Scholarship Fund  
The Winston Wolfe Endowed Scholarship Fund in Entrepreneurship  
The Charles Franklin Worrell, III Memorial Endowed Academic 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.

**B.E.S.T.** The Business Excellence and Scholarship Team (B.E.S.T.) is an innovative educational approach that functions as the honors program for the business school. 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 throughout the year. 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 and faculty recommendations.

**Distribution Management and Technology Intern Program.** The Department of Management offers an internship program through which DMT majors have the opportunity to gain business experience in a distribution-related environment. The Management department will assist each student in finding a suitable internship opportunity. A management faculty member supervises each intern and works with the sponsoring firm to help ensure a rewarding learning experience.

**Entrepreneurship Intern Program.** The program offers a student the opportunity to work with an entrepreneur in a decision-making, managerial role. Applications for the program are available from the John F. Baugh Center for Entrepreneurship.

**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 Intern Program.** The Department of Management, in conjunction with several business firms, offers an internship program through which management majors are provided carefully structured opportunities to apply 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 Internship Program.** Designed as an applied learning experience, the course follows the student's short-term paid placement (typically a semester) within a firm. The intern's responsibilities are determined by the firm offering the internship; however, sales faculty work with companies to ensure that student's experiences are full and rewarding. The course provides the framework for the student to document learning experiences from the internship (and the student's career) in a personal e-portfolio, a useful tool for career management. The student completes the internship during the summer following the junior year and completes the course during the fall of the senior year.

**Sports Sponsorship & Sales Internship Program.** Students admitted into the Sports Sponsorship & Sales (S3) majors are provided internships with professional sports teams (San Antonio Spurs, Dallas Mavericks, Houston Rockets, Dallas Stars, Texas Rangers, Dallas Cowboys, Houston Texans, Houston Astros, San Francisco 49ers, Tennessee Titans, Chicago Bulls, Chicago White Sox, and others). S3 majors also are provided sales internships with broadcast (radio & TV) partners of the S3 program.

Additional internships are available to S3 majors with the S3 Corporate Advisory Board members (State Farm, AT&T, GM, HEB, Reliant Energy, Dr. Pepper, American Airlines Center, Daktronics, Pizza Hut and others) in corporate marketing. Non-majors who are members of the S3 Club are also eligible for assistance in obtaining sports marketing & sales related internships with affiliates of the S3 Center.

## ADMISSION TO THE HANKAMER SCHOOL OF BUSINESS

Application for admission to the Business School must be made when a student has completed 60 semester hours (with at least 12 hours at Baylor). Admission will be granted to students who have a 2.50 cumulative Baylor GPA, who have credit for MTH 1309, ENG 1302 and ENG 1304, who have completed the lower business core with a minimum grade of “C” in each course, and who have earned a minimum 80% grade on the Baylor University Academic Integrity and Honor Code online exam. Lower business courses are BUS 1301, MIS 1305, ACC 2303, ACC 2304, ECO 2306, ECO 2307, QBA 2302, and QBA 2305. Consideration for admission will be deferred one semester if all requirements can be met in the following semester a student is enrolled in school (two summer sessions count as one semester).

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 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 who has a cumulative GPA less than 2.50 be permitted to take ACC 2304, ECO 2307, QBA 2305 nor any upper division business course. Students who do not meet the admission requirements at 60 hours (plus another semester, if deferred) will be required to change degree programs.

## 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).

### CURRICULUM OBJECTIVES

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.

### REQUIREMENTS 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. During the first year at Baylor, the student desiring a B.B.A. degree is officially enrolled as a pre-business student and is advised through the University's Office of Academic Advisement. After completing sixty hours, the student must apply for admission to the Hankamer School of Business as explained above.

The minimum residence requirement at Baylor University is sixty semester hours of full-time work including the last thirty semester hours. At least thirty semester hours of residence work must be done in business courses. All hours required for the major must be in residence.

The business curriculum comprises a core of required basic business subjects, plus a minimum of twelve hours in a major. Elective work chosen from the various subject matter areas broadens the student's understanding of business. Electives are needed to reach 124 hours minimum to graduate. No course can count in more than one area. No more than four human performance courses may be taken for credit.

## COURSE REPETITION

Courses taken at Baylor for which the grade is “F” or “D.” The course may be repeated. If it is repeated, it must be repeated at Baylor before a course is taken for which the course in question is a prerequisite. The course cannot be repeated as a correspondence course or in another school for transfer to Baylor. Repetition of any course must be for a grade, and the grade received the last time the course is taken is the only grade that counts on the student record.

If a student repeats a course in which the grade is “F” or “D” and receives an incomplete grade the second time that the course is taken, the second course will not count as a repeat until such time that a grade has replaced the incomplete. At that time, the record will be reviewed and the notes and GPA will be adjusted.

See school or departmental major/minor requirements for policies governing the repetition of courses in specified academic areas and specific major requirements.

## REQUIREMENTS FOR INTEGRATED B.B.A./GRADUATE DEGREES IN ACCOUNTING

Those individuals preparing for the Certified Public Accountant 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.

## SUMMARY OF COURSES REQUIRED 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. In addition, the student is given the opportunity to customize the degree through choices of certain requirements and of electives.

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.

### Arts and Sciences

sem. hrs.

#### HUMANITIES AND FINE ARTS

REL 1310 and REL 1350 or FAS 1308.....	6
Choose one course from: Art 1300, JOU/FDM 1303, MUS1220, THEA 1206 .....	2-3
Choose three hours from: ENG 2301, 2304, 2306, any “2000” level or above	
Great Texts or Foreign Literature.....	3

#### MATHEMATICS AND NATURAL SCIENCES

A Laboratory Science.....	4
MTH 1308 or MTH 1304 and 1309* or 1321 .....	3-6

#### PERSONAL DEVELOPMENT

HED 1145 .....	1
Choose one from: Human Performance activity, AS 1111, MILS 111, or MUS 0102 .....	1

#### SOCIAL SCIENCES

Choose three hours from: ECO 1301, HIS 1305, HIS 1307, HIS 2365, or HIS 2366.....	3
PSC 2302 .....	3
Choose three hours from: ANT 1305, GEOG 1300, History, Honors, Philosophy	
PSC 1305 or 1306, PSY 1305 or SOC 1305 .....	3

#### WRITTEN AND ORAL COMMUNICATION

ENG 1302 and ENG 1304 .....	6
Choose three hours from:	
CSS 1301, 1302, or 1304 .....	3

NOTE: Lower level business courses require a minimum grade of “C”. These courses are required for admission to the business school. Application should be made upon completion of 60 hours.

NOTE: ALL courses taken in the major field, including those permitted in a different discipline (whether excess or not), will compute in the GPA for that major.

Choose one of the following options.

- (1) Complete one modern or classical language through the third level, either 2310 or 2312 (three to eleven hours)\*\*  
**or**
- (2) Three courses (nine to eleven hours), each from a different area  
BUS 3345 or MGT 4320  
BUS 3303, MKT 3310, or any CSS 3000-4000 level course (excluding CSS 4302)  
JOU/FDM 3372 or any ENG 3000-4000 level course  
Foreign Language..... 3-11

**TOTAL ARTS AND SCIENCES .....41-53 sem. hrs.**

\*Students with a math score of less than 600 on the SAT or 28 on the ACT will be required to take both MTH 1308 and 1309.  
\*\*A student choosing the minimal Option (1) for three credit hours in a modern foreign language may need to take additional electives to fulfill the minimum of 124 credit hours required for the B.B.A. degree. See a business school advisor if necessary.

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

**Business**

<b>BUSINESS CORE.....</b>	<b>sem. hrs.</b>
ACC 2303 and 2304.....	6
BL 3305.....	3
BUS 1301, 3315, and 4385.....	9
ECO 2306 and 2307 .....	6
FIN 3310 .....	3
MIS 1305 and 3305.....	6
MGT 3305 and 3325.....	6
MKT 3305 .....	3
QBA 2302 (or STA 1380) and 2305.....	6
<b>TOTAL BUSINESS CORE .....</b>	<b>48</b>

<b>MAJOR</b>	
Major field of study.....	12-24

**FREE ELECTIVES**

Elective hours must be taken for a grade and are only needed to reach the 124 hour minimum to graduate.  
*Note: It is strongly recommended that FIN 3310, MGT 3305, MKT 3305, and MGT 3325 be taken in the junior year. These courses MUST be taken before BUS 4385, the business capstone course.*

**Suggested Sequence of Pre-Business Courses Required  
for Admission to the Business School**

**FRESHMAN YEAR**

<b>Fall</b>	<b>Spring</b>
ENG 1302	ENG 1304
MTH 1308 or MTH 1304	MTH 1309 or MTH 1321
MIS 1305 or BUS 1301	BUS 1301 or MIS 1305
CSS 1301, 1302 or 1304	Lab Science
Social Science (options below)	REL 1310
CHA 1088	CHA 1088

**SOPHOMORE YEAR**

<b>Fall</b>	<b>Spring</b>
ACC 2303	ACC 2304
ECO 2306	ECO 2307
QBA 2302	QBA 2305

**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.

**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 twenty-seven 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.

ACCOUNTING

Mr. T. Thomasson and Dr. C. Davis, 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 C+ average (including any repeated grades) 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 eight 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 forty-two accounting hours is required, which excludes the six accounting hours in the business core. 2) To follow the four-year program, a student must complete the eight 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*	
<i>Financial Reporting I</i>	
ACC 3302**	
<i>Financial Reporting II</i>	
ACC 3303*	
<i>Accounting Information Systems</i>	
ACC 3304**	
<i>Federal Income Tax</i>	
ACC 3310**	
<i>Accounting Research &amp; Communication</i>	
ACC 4308***	
<i>Advanced Managerial Accounting</i>	
ACC 4330***	
<i>Auditing, Assurance &amp; Attestation</i>	
ACC 4350***	
<i>Business Ethics for Accountants</i>	
	24 sem. hrs.
Recommended electives: CSS 3304 and 3305, BL 4325, BUS 3303, FIN 4310 and 4360, and MGT 4336	

CAREER TRACKS

<b>Five-Year Integrated B.B.A./M.Tax. Degree</b>		
Five business courses	15 sem. hrs.	
Six graduate business taxation courses	18 sem. hrs.	
<i>See Graduate Catalog for more information.</i>		33 sem. hrs.
<b>Five-Year Integrated B.B.A./M.Acc.Degree</b>		
Five business courses	15 hours	
Six graduate accounting courses	18 hours	
<i>See Graduate Catalog for more information.</i>		33 sem. hrs.

- \* ACC 3301 and 3303 must be taken concurrently.
- \*\* ACC 3302, ACC 3304, and ACC 3310 must be taken concurrently.
- \*\*\* ACC 4308, ACC 4330, and ACC 4350 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.

**BUSINESS FRENCH MAJOR**

Dr. S. Gardner, Advisor

To earn a MAJOR IN BUSINESS FRENCH, a student must complete the requirements for a second major in addition to the courses listed below. Either FRE 3337 or 3338 may also be used to fulfill the 3-hour social science requirement on the BBA. French Literature courses may also be used to fulfill the 3-hour literature requirement on the BBA.

**BUSINESS FRENCH MAJOR****MAJOR REQUIREMENTS**

INB 3305

*Global Business*

Twenty-four semester hours of “3000-4000” level French language courses including the following:

FRE 3301

*Advanced French Grammar*

FRE 43C0

*French Senior Capstone*

Choose one set:

FRE 3337

*French Civilization*

FRE 3338

*Contemporary France***or**

FRE 4331

*Survey of French Literature I*

FRE 4332

*Survey of French Literature II*

Any twelve semester hours of other “3000-4000” level FRE courses. At least six semester hours must be at the “4000” level.

27 sem. hrs.

**BUSINESS GERMAN MAJOR**

Dr. S. Gardner, Advisor

To earn a MAJOR IN BUSINESS GERMAN, a student must complete the requirements for a second major in addition to the courses listed below. GER 3341 may also be used to fulfill the 3-hour social science requirement on the BBA. German Literature courses may also be used to fulfill the 3-hour literature requirement on the BBA.

**BUSINESS GERMAN MAJOR****MAJOR REQUIREMENTS**

INB 3305

*Global Business*

Twenty-four semester hours of “3000-4000” level German language courses including the following:

GER 3301

*German Conversation and Composition*

GER 3341

*Introduction to German Culture: Germany in the Making*

Any eighteen semester hours of other “3000-4000” level GER courses. At least six semester hours must be at the “4000” level.

27 sem. hrs.



**BUSINESS RUSSIAN MAJOR**

Dr. S. Gardner, Advisor

To earn a MAJOR IN BUSINESS RUSSIAN, a student must complete the requirements for a second major in addition to the courses listed below. Russian Literature courses may also be used to fulfill the 3-hour literature requirement on the BBA.

**BUSINESS RUSSIAN MAJOR**  
**MAJOR REQUIREMENTS**

INB 3305

*Global Business*

Twenty-four semester hours of Russian language courses including the following:

RUS 3301

*Russian Conversation and Composition*

Any twenty-one semester hours of RUS courses. At least six semester hours must be at the “4000” level and nine additional semester hours at the “3000” or “4000” level (not including RUS 3301).  
27 sem. hrs.

**BUSINESS SPANISH MAJOR**

Dr. S. Gardner, Advisor

To earn a MAJOR IN BUSINESS SPANISH, a student must complete the requirements for a second major in addition to the courses listed below. SPA 3310 or 3311 may also be used to fulfill the 3-hour social science requirement on the BBA. Spanish literature courses may also be used to fulfill the 3-hour literature requirement on the BBA.

**BUSINESS SPANISH MAJOR**  
**MAJOR REQUIREMENTS**

All from:

INB 3305

*Global Business*

SPA 3305

*Introduction to Hispanic Literature*

SPA 3302

*Conversation and Composition*

SPA 3309

*Introduction to Spanish Linguistics*

SPA 4330

*Advanced Grammar, Composition  
and Conversation*

Any one from:

SPA 3350

*Survey of Spanish Literature through the  
Seventeenth Century*

SPA 3352

*Survey of Spanish Literature from the  
Eighteenth Century*

SPA 3354

*Survey of Latin American Literature  
to 1880*

SPA 3356

*Survey of Latin American Literature  
from 1880 to Present*

Any one from:

SPA 4303

*Spanish Phonology and  
Morphophonology*

SPA 4304

*Spanish Syntax, Semantics, and  
Pragmatics*

Any one from:

SPA 3310

*Spanish Civilization*

SPA 3311

*Spanish-American Civilization*

Any 4000-level SPA elective

27 sem. hrs.

**BUSINESS-JOURNALISM**

Dr. C. Pullig, Advisor

To earn a MAJOR IN BUSINESS-JOURNALISM, a student must complete the courses listed below.

**BUSINESS-JOURNALISM MAJOR****MAJOR REQUIREMENTS**

JOU 1303

*Introduction to Mass Communication*

One from:

JOU 3325

JOU 2303 or 3372

*Editing*

JOU 3375

Any two from:

*Advanced Reporting and Writing*

JOU 3355, 3367, 4325, 4340

JOU 4380

*Law and Ethics of Journalism*

MKT 3320

*Advertising Procedures*

24 sem. hrs.

**DISTRIBUTION MANAGEMENT AND TECHNOLOGY**

Drs. L. Umble, P. Reyes, and M. Umble, Advisors

To earn a MAJOR IN DISTRIBUTION MANAGEMENT AND TECHNOLOGY, a student must have a 3.0 GPA or better for acceptance into the program and apply to enter the program during their sophomore year. Only a limited number of students will be accepted into the major each year. This is a program where the major courses should be taken in the sequence described below. The internship is only available for students who are formally accepted into the program and earn a grade of "C" or better in MGT 3320 and MGT 3325.

**DISTRIBUTION MANAGEMENT AND TECHNOLOGY MAJOR****MAJOR REQUIREMENTS**

MGT 3320 – Fall only, Junior year

*Distribution Management*

MIS 3345 – Fall or Spring, Junior year

*Introduction to Enterprise Systems Using SAP*

MGT 4330 – Fall or Spring, Junior year

*Project Management*

MGT 4396 – Summer following Junior year

*Distribution Management & Technology Internship*

MGT 4345 – Fall or Spring, Senior year

*Global Supply Chain Management*

MGT 4355 – Fall only, Senior year

*Management Consulting*

Recommended electives: MGT 4320, MIS 3330, MKT 3310, MKT 4320.

Note: MKT 3310 may be taken to satisfy part of the communication option requirements for the BBA degree.

18 sem. hrs.

**ECONOMICS**

Drs. S. Gardner and T. Emerson, Advisors

To earn a MAJOR IN ECONOMICS, a student must complete ECO 3306 and either ECO 3305 or ECO 3307 plus three upper-division courses. 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.

For additional guidance, we have provided a list of career tracks below that outline upper-division courses that would be particularly helpful for students who wish to follow a career in one of these areas.

**ECONOMICS MAJOR**  
**MAJOR REQUIREMENTS**

ECO 3306

*Intermediate Microeconomic Analysis*

ECO 3305

*Money and Banking*                      OR

ECO 3307

*Intermediate Macroeconomic Analysis*

6 sem. hrs.

**CAREER TRACKS (ECONOMICS)**

(Take three courses from any one track or from a track uniquely designed by the student)

**Consultant**

ECO 4312

*Business Cycles and Forecasting*

ECO 4316

*Industrial Organization*

ECO 4317

*Economics of Regulation*

ECO 4322

*Forensic Economics*

ECO 4336

*Labor Economics*

ECO 4345

*Mathematics for Economists*

ECO 4347

*Econometrics*

Recommended electives: FIN 4335, 4360, 4361; ACC 3305, 3306, 4377

9 sem. hrs.

**Corporate Business Economist**

ECO 4312

*Business Cycles and Forecasting*

ECO 4316

*Industrial Organization*

ECO 4317

*Economics of Regulation*

ECO 4333

*Foreign Exchange Markets*

ECO 4336

*Labor Economics*

ECO 4345

*Mathematics for Economists*

ECO 4347

*Econometrics*

Recommended electives: FIN 4335, 4360, 4361; ACC 3305, 3306, 4377

9 sem. hrs.

**Pre-Law**

ECO 4316

*Industrial Organization*

ECO 4317

*Economics of Regulation*

ECO 4318

*Law and Economics*

ECO 4319

*Game Theory*

ECO 4320

*Economics of Government*

9 sem. hrs.

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.

**ENTREPRENEURSHIP**

Drs. L. Palich and R. Bagby, Advisors

To earn a MAJOR IN ENTREPRENEURSHIP, a student must attain a minimum grade of "C" in FIN 3310, and must complete the following courses:

**ENTREPRENEURSHIP MAJOR****MAJOR REQUIREMENTS**

All from:

ENT 3320

*Entrepreneurial Process*

ENT 4310

*Entrepreneurial Finance*

Any one from:

ENT 3350

*International Entrepreneurship*

BUS 4325

*Entrepreneurial Business Plan*

Any two from:

ENT 4320

*Managing the Family Business*

ENT 4330

*Corporate Entrepreneurship: Initiating and Sustaining Innovation*

ENT 4340

*Technology Entrepreneurship*

ENT 4351

*Entrepreneurship in the EU*

ENT 4352

*Technology Entrepreneurship in Asia*

ENT 4353

*Social Entrepreneurship and Economic Development*

ENT 4360

*Franchising: Franchisee and Franchisor Perspectives*

ENT 4380

*Social Entrepreneurship: Microfinance and Economic Development in Africa*

ENT 4395

*Entrepreneurship Internship*

ENT 4398

*Special Studies in Entrepreneurship*

Recommended electives: MGT 4320 and MKT 3310

15 sem. hrs.

**ENTREPRENEURSHIP**

Dr. S. Bradley, Advisor

To earn a MAJOR IN ENTREPRENEURSHIP through the SOCIAL ENTREPRENEURSHIP track, a student must attain a minimum grade of "C" in FIN 3310, and must complete the following courses:

**SOCIAL ENTREPRENEURSHIP TRACK****MAJOR REQUIREMENTS**

All from:

ENT 3320

*Entrepreneurial Process*

ENT 4310

*Entrepreneurial Finance*

Any one from:

BUS 4326

*Social Entrepreneurship Business Plan*

ENT 3350

*International Entrepreneurship*

One of two from:

ENT 4353

*Social Entrepreneurship and Economic Development*

ENT 4380

*Social Entrepreneurship: Microfinance and Economic Development in Africa*

Any one from:

ENT 4396\*

*Internship in Social Entrepreneurship*

ENT 4398

*Special Studies in Social Entrepreneurship*

EGR 4396

*Appropriate Technology for Developing Countries*

MKT 4398

*Sales for Social Impact*

Recommended electives:

MGT 4305

*Principled Leadership*

MGT 4320

*Negotiation and Conflict Resolution*

MGT 4345

*Global Supply Chain Management*

MKT 3310

*Professional Selling*

MKT 3340

*Nonprofit Marketing*

ECO 3308

*Engineering Economic Analysis*

ECO 4334

*Economic Development*

ECO 4355

*Economics of Poverty and Discrimination*

ECO 4331/INB 4341

*African Economic Development (AFS 4331)*

15 sem. hrs.

**FINANCE**

Dr. J.T. Rose, Advisor

To earn a MAJOR IN FINANCE, a student must attain a minimum grade of "C" in FIN 3310, and must complete the following courses:

**FINANCE MAJOR****MAJOR REQUIREMENTS**

All from:	Any three from (at least two 4000-level):
FIN 4360	FIN 3301, 3305, 3405, 4310, 4329, 4331, 4332,
<i>Corporate Financial Management</i>	4335, 4339, 4340, 4361, 4366, 4370, 4381, 4387,
FIN 4365	4V98
<i>Investment Analysis</i>	Any one from
	ACC 3305*, 4377*

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

18-19 sem. hrs.

\*Students completing a double MAJOR IN FINANCE and a MAJOR IN ACCOUNTING must substitute another upper-level business course.

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.

**FINANCIAL PLANNING**

Dr. T. Potts, Advisor

To earn a MAJOR IN FINANCIAL PLANNING, a student must attain a minimum grade of "C" in FIN 3310, and must complete the following courses:

**FINANCIAL PLANNING MAJOR****MAJOR REQUIREMENTS**

FIN 3301
<i>Personal Finance</i>
FIN 4311
<i>Fundamentals of Life and Health Insurance</i>
FIN 4332
<i>Employee Benefit Planning</i>
FIN 4365
<i>Investment Analysis</i>
FIN 4367
<i>Seminar in Personal Financial Planning</i>
ACC 4377
<i>Personal and Business Tax Planning</i>

Recommended electives: Risk Management and Real Estate courses, professional selling courses such as MKT 3310, Management of Financial Institutions (FIN 4370), and additional accounting courses.

18 sem. hrs.

Note: The prerequisites for FIN 4311 have been waived for a MAJOR IN FINANCIAL PLANNING.

**HUMAN RESOURCE MANAGEMENT**

Drs. J. Cox and C. Wu, Advisor

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

**HUMAN RESOURCE MANAGEMENT MAJOR****MAJOR REQUIREMENTS**

All from:

MGT 4320

*Negotiating and Conflict Resolution*

MGT 4336

*Personnel/Human Resource Management*

MGT 4337 - Fall Only

*Human Resource Staffing and Employee Relations*

MGT 4338 - Spring only

*Compensation Management*

Any two from:

BL 4303 *Fall only**Employment Law*

BUS 4395

*Internship in Business*

CSS 3306

*Interviewing*CSS 4306 *Spring only**Advanced Interviewing*

FIN 4332

*Employee Benefit Planning*

MGT 4398

*Special Studies in Management*

(This course can be used to study

students' specific interests. See Dr. Cox)

18 sem. hrs.

**INTERNATIONAL BUSINESS**

Dr. J. McKinney, Advisor

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**

Both from:

INB 3305

*Global Business Practices*

INB 3332

*Business in the Global Economy*

Any three from:

INB 3330 (cross listed ECO 3330)

*Economic Geography*

INB 3333

*Doing Business in Different Cultures*

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 4338 (cross-listed AST 4338 &amp; ECO 4338)

*Economic Systems of the World*

Among the three required, one can be chosen from the following:

INB 4334 (cross-listed ECO 4334)

*Economic Development*

INB 4335 (cross-listed ECO 4335)

*Asian Economic Development*

INB 4332 (cross-listed ECO 4332)

*Economic Problems of Latin American*

INB 4341 (cross-listed ECO 4331)

*African Economic Development*

15 sem. hrs.

**MANAGEMENT**

Drs. M. Ferguson and P. VanAuken, Advisors

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

**MANAGEMENT MAJOR****MAJOR REQUIREMENTS**

MGT 4336

*Personnel/Human Resource Management*

Any four from:

BUS 4395

*Internship in Business*

INB 3333

*Doing Business Across Cultures*

MGT 4305

*Principled Leadership*

MGT 4320

*Negotiating and Conflict Resolution*

MGT 4330

*Project Management*

MGT 4337

*Human Resource Staffing and Employee Relations*

MGT 4338 – Spring only

*Compensation Management*

MGT 4345

*Global Supply Chain Management*

MGT 4353

*Social Entrepreneurship and**Economic Development*

MGT 4355 – Fall only

*Management Consulting*

MGT 4398

*Special Studies in Management*

Recommended electives:

MIS 3301 and 3320

Useful non-business electives:

PSY 3310, PSY 3425

15 sem. hrs.

Goals of this major: To provide broad exposure to concepts required for effective management. To prepare individuals for positions in entry-level management trainee programs, general management consulting, and organization development departments.



**MANAGEMENT INFORMATION SYSTEMS**

Drs. T. R. Kayworth

and G.W. Willis, Advisors

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

*Advanced Business Networking*

Take one from:

MIS 3341

*Developing Client-Server Applications*

MIS 4320

*Java Development*

MIS 4321

*Business System Development*

Take one from:

MIS 4330

*Project Management*

MIS 4350

*Cyber Security Technology Factors*

MIS 3345

*Introduction to Enterprise Systems**Using SAP*

18 sem. hrs.

\*Mis 3301 and Mis 3320 must be taken concurrently and students must receive a "C" or better in both courses.

**ELECTIVES:** Students are encouraged to take electives that enhance or add value to their MIS degree. To accomplish this, students may opt to use elective credit hours to take other MIS courses not taken as part of the 18 hour degree or they may take other non-MIS upper level business electives. Recommended MIS electives include BUS 4395 (Internship), MIS 3332, MIS 3345, MIS 4343, MIS 4344, MIS 4346, and MIS 4355. Students may also take a third programming course as an elective from one of those not already taken as part of the 18 hour major: MIS 3341, MIS 4320, or MIS 4321. Some recommended non-MIS electives include: MGT 4320, MKT 3310, ENT 4330, and MGT 4355.

**NOTE:** Students who double major in MIS and Distribution Management and Technology (DMT) may waive MIS 4330 in the MIS major.

**MARKETING**

Drs. C. Pullig and J. Johnson, Advisors

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 tailor their own marketing concentration by selecting any three marketing courses beyond the required courses of MKT 3305, 3325, 3330, and 4330.

**MARKETING MAJOR**  
MAJOR REQUIREMENTS

MKT 3325

*Consumer Behavior*

MKT 3330

*Marketing Research*

MKT 4330

*Marketing Analysis and Decision Making*

Any three other marketing courses

18 sem. hrs.

**MARKETING MAJOR**

Dr. K. Wakefield, Advisor

**MUSIC & ENTERTAINMENT CAREER TRACK**

To earn a MAJOR IN MARKETING through the MUSIC AND ENTERTAINMENT track, a student must attain a 3.0 GPA for entry, and apply to enter the program in the fall of their sophomore year. This is a two-year lock-step program that follows the entry-level course of a permit-only section of MKT 3310. Students selected for this track from both business and theater majors will take these courses together in the following sequences:

**Choose one emphasis:****Music & Film Emphasis**

MKT 3310–Spring, Sophomore year

*Professional Selling for Music  
& Entertainment*

MKT 3305–Fall, Junior Year;

Lancaster - Core Course

*Principles of Marketing*

MKT 3325–Fall, Junior Year; Wakefield

*Consumer Behavior*

MKT 3320–Spring, Junior Year; Wakefield

*Advertising Procedures*

MKT 3395–Spring, Junior year

*Baylor in Nashville*

MKT 4107–Spring, Junior Year

*Production lab - Music Promotion*

MKT 4395 – Summer following Junior year

*Music and Entertainment**Marketing Internship*

MKT 3330 – Fall, Senior Year

*Marketing Research*

MKT 4108 – Fall, Senior Year

*Music Marketing Lab*

MKT 4321 – Spring, Senior Year

*Advertising Campaigns*

MKT 4109–Spring, Senior Year

*Production lab–Music Promotion***Theatre Emphasis**

MKT 3310–Spring, Sophomore year

*Professional Selling for Music  
& Entertainment*

THEA 3390–Fall, Junior Year

substitutes for MKT 3305

*Marketing for the Performing Arts*

MKT 3325–Fall, Junior Year, Wakefield

*Consumer Behavior*

THEA 4107–Fall, Junior

*Production lab–Music Promotion*

MKT 3320–Spring, Junior year; Wakefield

*Advertising Procedures*THEA 4380–Spring, Junior year–substitutes  
for MKT 3395*Performing Arts Management*

THEA 1206–any semester

*Theater Appreciation*

MKT 4395–Summer following Junior Year

*Internship: Music, Theater, or Film*

MKT 3330–Fall, Senior Year

*Marketing Research*

THEA 4108–Spring, Junior Year

*Production lab–Music Promotion*

MKT 4321–Spring, Senior year

*Advertising Campaigns*

24–25 sem. hrs.

**MARKETING MAJOR**

Dr. S. Madden, Advisor

**NONPROFIT AND DEVELOPMENT TRACK**

To earn a MAJOR IN MARKETING through the NONPROFIT AND DEVELOPMENT track, a student must complete 24 hours of coursework. This program is designed to prepare graduates to lead a nonprofit organization with particular emphasis on the fund-raising function. Many of the graduates of this program will find opportunity in the "Development" function of large and complex nonprofit organizations.

\*MKT 3310

*Professional Selling and Communication for Nonprofit Organizations*

MKT 3325

*Consumer Behavior*

MKT 3330

*Marketing Research*

\*MKT 3320

*Advertising Procedures*

MKT 3340

*Nonprofit Marketing*

MKT 4330

*Marketing Analysis and Decision Making*

\*MKT 4398

*Directed Studies in Nonprofit Marketing or Internship in a Nonprofit Organization*

\*MIS 3550 (Spring only)

*Stakeholder Data Management for Nonprofit Organization*

MKT 4340

*Strategic Brand Management*

24 sem. hrs.

\*Permit only courses for Nonprofit Programs only.

**MEDIA BUSINESS**

Dr. C. Pullig, Advisor

To earn a MAJOR IN MEDIA BUSINESS, a student must complete the courses listed below. FDM 1303 may also be used to fulfill the 3-hour fine art requirement on the BBA. FDM 3372 may also be used to fulfill a modern foreign language option on the BBA.

**MEDIA BUSINESS MAJOR****MAJOR REQUIREMENTS**

FDM 1303

*Introduction to Mass Communications*

FDM 2360

*Production Methods*

FDM 3320

*Business of Media*

FDM 3372

*Writing for Media Markets*

MKT 3320

*Advertising Procedures*

MKT 3325

*Consumer Behavior*

Any two other 3000-4000 level FDM courses

24 sem. hrs

**PROFESSIONAL SELLING**

Dr. A. Dixon, Advisor

To earn a MAJOR IN PROFESSIONAL SELLING, a student must complete the application and interview process ([www.baylor.edu/business/selling](http://www.baylor.edu/business/selling)). ProSales students typically achieve a 3.0 or above (overall) GPA. Applicants must have a 2.75 GPA (overall) or higher to be considered for the ProSales program. Applicants may be admitted prior to completing MKT 3310; however, acceptance is contingent upon receiving at least a B in MKT 3310:

**PROFESSIONAL SELLING MAJOR****MAJOR REQUIREMENTS**

MGT 4320

*Negotiating and Conflict Resolution*

MKT 3310\*

*Professional Selling and Communications*

MKT 4310 - Spring only

*Sales Force Management/Leadership*

MKT 4311 – Fall only

*Professional Selling and Communications II*

MKT 4320 - Spring only

*Marketing Channels*

MKT 4199 - Summer internship, Fall course

*Professional Sales Internship*

MKT 4330

*Marketing Analysis and Decision Making*

19 sem. hrs.

\*Students majoring in PROFESSIONAL SELLING must earn a minimum grade of “B” in MKT 3310.

**PUBLIC ADMINISTRATION**

Dr. T. Kelly, Advisor

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

**PUBLIC ADMINISTRATION MAJOR****MAJOR REQUIREMENTS**

Any three from:

PSC 3312 – Spring only

*Principles of Public Administration*

PSC 4322 – Spring only

*Seminar in Public Administration*

ECO 4317

*The Economics of Regulation*

ECO 4320

*The Economics of Government*

One from:

ECO 4325

*Urban and Regional Economic Analysis*

ECO 4334

*Economic Development*

12 sem. hrs

**REAL ESTATE**

Drs. C. Delaney and L.M. Dyson, Advisors

To earn a MAJOR IN REAL ESTATE, a student must attain a minimum grade of “C” in FIN 3310, and must complete the following courses:

**REAL ESTATE****MAJOR REQUIREMENTS**

All from:

FIN 3405

*Principles of Real Estate*

FIN 4329

*Real Estate Appraisal*

FIN 4339

*Real Estate Investments*

One from:

FIN 4220/4221

*Real Estate Law of Agency and Contracts*

FIN 4340

*Real Estate Finance*

FIN 4345

*Real Estate Management*

Recommended electives: ECO 4325

13-14 sem. hrs.

**RISK MANAGEMENT AND INSURANCE** Drs. J. Garven and A. Seward, Advisors

To earn a MAJOR IN RISK MANAGEMENT AND INSURANCE, a student must attain a minimum grade of “C” in FIN 3310, and must complete the following courses:

**RISK MANAGEMENT AND INSURANCE****MAJOR REQUIREMENTS**

Any four from:

FIN 3305

*Principles of Risk Management and Insurance*

FIN 4320 – Fall only

*Fundamentals of Property and Liability Insurance*

FIN 4335

*Business Risk Management*

FIN 4311

*Fundamentals of Life and Health*

FIN 4332

*Employee Benefit Planning*

12 sem. hrs.

**SPORTS SPONSORSHIP & SALES**

Drs. K. Wakefield and D. Lehnus, Advisors

To earn a MAJOR IN SPORTS, SPONSORSHIP & SALES, a student must apply to be accepted to the major and complete the following five required sports marketing classes and choose one track. Students with at least a 3.0 GPA granted admission with completion of application and at least a "B" in MKT 3342. Students applying with a 2.75 GPA and a "B" in MKT 3342 may be admitted on the basis of an interview with S3 faculty.

**SPORTS SPONSORSHIP & SALES****MAJOR REQUIREMENTS**

MKT 3342 – Fall/Spring, Sophomore year

*Professional Selling for Sports I*

MKT 3325 – Fall only, Junior Year; Wakefield

*Consumer Behavior*

MKT 4341 – Spring only, Junior year

*Professional Selling & Communication  
for Sports II*

MKT 3341 – Fall only, Senior year

*Values Based Leadership in Sports*

MKT 4343 – Spring, Senior year

*Customer Relationship Management  
for Sports***Choose:****Ticket Sales Track**

MKT 4396 – Summer after Junior year

*Sports Market Internship I: Pro Team in Ticket Sales*

MGT 4320 – Junior or Senior year

*Negotiating and Conflict Resolution*

MKT 4397 – Senior year

*Sports Marketing Internship II: Call Center Sales & Management***Customer Relations Management Track**

MKT 4396 – Summer after Junior year

*Sports Marketing Internship I: Pro Team in CRM*

MIS 4398 – Spring, Junior year

*CRM Database Management*

MKT 3330 – Spring, Junior year

*Marketing Research & Analytics\****Media/Corporate Sales Track**

MKT 4396 – Summer after Junior year

*Sports Marketing Internship I: Corporate Media Sales*

MKT 3320 – Junior or Senior year

*Advertising*

MKT 4397 – Senior year

*Sports Marketing Internship II: Call Center Sales & Management*

\*Must take 3330 (spring-only) under Dr. Wakefield.

24 sem. hrs.

**BUSINESS FOR SECONDARY EDUCATION (with Teacher Certification)**

Dr. J. Knue, 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**

<b>General Studies</b>	<b>sem. hrs.</b>		<b>sem. hrs.</b>
REL 1310, 1350	6	ECO 2306, 2307	6
ENG 1302, 1304	6	HED 1145	1
HIS 2365 or ECO 1301	3	GTX 2301, 2302, ENG 2301 or Fine Art	3
MTH 1308*, MTH 1309	3-6	HP	1
PSC 2302	3	TED 2380, 2381 or 3380	<u>3</u>
Lab Science	4	Total General Studies	39-42
Chapel (2 semesters)	no credit		
<b>Business Core</b>	<b>sem. hrs.</b>		<b>sem. hrs.</b>
BUS 1301, 3315, 4385	9	BL 3305	3
ACC 2303, 2304	6	FIN 3310	3
QBA 2302, 2305	6	MKT 3305	3
MIS 1305, 3305	6	MGT 3305, 3325	<u>6</u>
		Total Business Core	42
<b>Professional Education</b>	<b>sem. hrs.</b>		<b>sem. hrs.</b>
TED 1112 or 2112	1	TED 43XX****	3
TED 2340	3	TED 4640, 4641(fall)***	12
TED 3340, 3398 (fall)***	6	TED 4642, 4643 (spring)***	<u>12</u>
TED 3341, 3399 (spring)***	6	Total Professional Education	43

**Total Degree Requirement: 124-127 sem. hrs.**

\* If required.

\*\* Must be taken concurrently and in sequence listed.

\*\*\*This course has yet to be determined. It is projected to be a course that focuses on how to teach business subjects at the secondary level.

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 and C. North, 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 not based solely on 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. Acceptances are made on a rolling basis, and a letter of notification is sent in the month following receipt of a complete application.

The major is designed for incoming freshmen, although 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. There is no explicit grade point or course requirement for the evaluation, but sufficient progress must be maintained toward accomplishing meaningful academic objectives within the four year horizon for the student to continue. 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.
- 4 - 6 hours, Senior Project/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.



### 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:

African Studies	Great Texts of the Western Tradition
American Studies ( <i>interdisciplinary</i> )	Greek
Anthropology	History
Apparel Merchandising	Italian
Arabic	Latin
Art History	Latin American Studies ( <i>interdisciplinary</i> )
Asian Studies	Leadership Studies
Astronomy	Linguistics
Astrophysics	Mathematics
Biochemistry	Mathematics Education
Biology	Media Management
Chemistry	Medical Humanities
Child and Family Studies	Middle East Studies
Chinese	Museum Studies
Church Music	Music
Classics	News Editorial
Communication Sciences and Disorders	Nutrition Sciences
Community Health	Philosophy
Computer Science	Photojournalism
Corporate Communication	Physics
Creative Writing	Political Science
Criminal Justice ( <i>intrauniversity</i> )	Poverty Studies and Social Justice
Dance	Public Relations
Earth Science	Recreation Ministry ( <i>intrauniversity</i> )
Educational Psychology	Religion
Engineering	Religion, Politics and Society ( <i>intrauniversity</i> )
English	Rhetoric and Argumentation
Environmental Studies	Russian
Family Studies ( <i>intrauniversity</i> )	Science
Film and Digital Media	Sign Language Interpreting
Forensic Science	Sociology
French	Spanish
Gender Studies ( <i>intrauniversity</i> )	Statistics
General Family and Consumer Sciences	Studio Art
Geography	World Affairs
Geology	
German	
Gerontology	

## 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 ECO 2306 and 2307, QBA 2302 and 2305, the thirty-six 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).

### Business Administration Minor, Nonprofit Studies Minor, or Entrepreneurship Minor for Arts and Sciences Students

Non-BBA students may take business courses in two ways: [1] non-business majors may take business courses as electives for their degree, assuming that the student maintains at least a "C" average and adheres to all prerequisites and [2] non-business majors may choose a minor in business administration, economics, entrepreneurship, or nonprofit studies which is comprised of the following courses of study:

#### BUSINESS ADMINISTRATION MINOR

**Dr. J. Knue, Advisor**

Requirements for a Minor in Business Administration:

MIS 1305  
ECO 1305\*  
ACC 2303 or ACC 2301  
MGT 3305  
MKT 3305  
FIN 3301 or ACC 2304  
ENT 3315

21 sem. hrs.

\*ECO 2306 and 2307 (six semester hours) may substitute for the ECO 1305 requirement. A student who has earned credit in either ECO 2306 or 2307 may not earn credit in ECO 1305.

#### ECONOMICS MINOR

**Drs. S. Gardner and T. Emerson, Advisors**

Requirements for a Minor in Economics:

ECO 2306  
ECO 2307  
ECO 3306  
ECO 3305 or 3307  
3 hours of 4000 level Economics elective  
3 hours of an additional Economics elective

\*MTH 1309 or 1321 should be taken to satisfy the math degree requirement. ECO 1301, 1305, 3308, and 3355 do not count toward the Economics minor.

18 sem. hrs.

#### ENTREPRENEURSHIP MINOR

**Dr. L. Palich, Advisor**

Requirements for a Minor in Entrepreneurship:

ENT 3315  
MKT 3310  
MGT 4320  
ENT 3350 or 4325

\*Two courses from the following: ACC 2301, BUS 3302, ENT 4320, ENT 4330, ENT 4340, ENT 4351, ENT 4352, ENT 4353, ENT 4360, ENT 4380, ENT 4398, BUS 4395, FIN 3310, FIN 4310, MGT 3305, MKT 3305, MKT 3320, MKT 4321

18 sem. hrs.

\*One business or entrepreneurship course can be substituted for one of the required electives listed above to suit the specific academic objectives of the student, subject to the approval of the program director.

**NONPROFIT STUDIES MINOR****Dr. S. Madden, Advisor**

Requirements for a Minor in Nonprofit Studies:

MKT 3310\*

*Professional Selling and Communication for Nonprofit Organizations*

MKT 3320 or 4340\*

MKT 3340

*Nonprofit Marketing*

MKT 4398\*

*Directed Studies in Nonprofit Marketing or Internship in a Nonprofit Organization*

MKT 4398\*

*Directed Studies in Nonprofit Marketing*

MIS 3350\*

*Stakeholder Data Management for Nonprofit Organization*

18 sem. hrs.

\*Permit only courses for Nonprofit Programs only.

Note: This program is designed to prepare students who have a non-BBA major and wish to give themselves flexibility in planning a career by obtaining a foundation in nonprofit leadership.

**SOCIAL ENTREPRENEURSHIP MINOR****Dr. S. Madden, Advisor**

All from:

ENT 3315

*Starting and Managing a Business*

MKT 3310

*Professional Selling*

One of two from:

ENT 3351

*Entrepreneurship in Latin America*

MKT 4326

*Social Entrepreneurship Business Plan*

One of two from:

ENT 4353

*Social Entrepreneurship and Economic Development*

ENT 4380

*Social Entrepreneurship: Microfinance and Economic Development in Africa*

Any one from:

ENT 4396

*Internship in Social Entrepreneurship*

ENT 4398

*Special Studies in Social Entrepreneurship*

EGR 4396

*Appropriate Technology for Developing Countries*

MKT 4398

*Sales for Social Impact*

Any one from:

MKT 3340

*Nonprofit Marketing*

MGT 4305

*Principled Leadership*

MGT 4320

*Negotiation and Conflict Resolution*

MGT 4345

*Global Supply Chain Management*

ECO 4334

*Economic Development*

ECO 3355

*Economics of Poverty and Discrimination*

ECO 4331/INB 4341

*African Economic Development*

ECO 3308

*Engineering Economic Analysis*

18 sem. hrs.

**GRADUATE STUDY IN BUSINESS**

See the Baylor University Graduate School Catalog for description of degree programs and admissions requirements.

**Master of Arts Degree**

International Economics

**Master of Science Degree**

International Economics

**Professional Degrees**

Master of Accountancy

Master of Taxation

Master of Business Administration

Master of Science in Economics

Master of Science in Information Systems

**Joint Degrees**

Bachelor of Business Administration/Master of Accountancy

Bachelor of Business Administration/Master of Taxation

Juris Doctor/Master of Business Administration

Juris Doctor/Master of Taxation

Master of Business Administration/Master of Science in Information Systems

**COUNCILS**

**The Executive Council.** Dean T. Maness; associate deans, G. Carini, M. Dunn, and J. Tanner; department chairs, K. Artz, C. Davis, H. Stephen Gardner, T. Kayworth, A. Seward, C. Pullig; *ex officio members*: director of public relations, C. Jackson, president of the Hankamer Staff Association, assistant to the dean, D. Magee, director of Casey Computer Center, A. Lapes, and executive director of development, K. Ludlum.

**The Strategic Development Council.** Dean T. Maness, *coordinating chair*

This council covers seven areas of strategic development for the business school and works through the following subcommittees:

EDUCATION PROCESSES: B. McCormick, chair (undergraduate); G. Carini, chair (graduate)

FACULTY DEVELOPMENT: P. Norman, chair; J. Tanner, Executive Council Liaison

FINANCE AND FACILITIES: T. Maness, chair

HANKAMER STAFF ASSOCIATION: Carol Marroquin, president

MISSION: A. Seward, chair

PUBLIC RELATIONS: C. Jackson, chair

CAREER DEVELOPMENT: K. Buckley, chair

## COMMITTEES

**Outstanding Faculty Selection:** C. Delaney, *chair*;

**Research and Teaching Resources:** S. Gardner, *chair*;

**Scholarships:** J. Cox, *chair*;

**Ben Williams Distinguished Speakers Series:** B. Thomas and C. Jackson, *co-chairs*;

**Summer Sabbatical and Research Leave:** J. Martin, *chair*

## FACULTY AND STAFF ADVISORS

Pre-business students who have completed less than thirty semester hours are advised in the Office of Academic Advisement in 104 Sid Richardson. Pre-business students who have completed thirty semester hours or more are advised in the Undergraduate Programs Office in 106 Hankamer.

Faculty and staff advisors on major fields of study for junior and senior students who have been admitted to the business school are as follows:

Accounting	Mr. Tim Thomasson and Dr. Charles Davis
Baylor Business Fellows	Dr. Allen Seward and Dr. Chuck North
Business for Secondary Education	Dr. John Knue
Business Languages	Dr. Steve Gardner
Business-Journalism and Media Arts	Dr. Chris Pullig
Distribution Management	Dr. Mike Umble, Dr. Liz Umble, and Dr. Pedro Reyes
Economics	Dr. Steve Gardner and Dr. Tisha Emerson
Entrepreneurship	Dr. Les Palich and Dr. Ray Bagby
Finance	Dr. J.T. Rose
Financial Planning	Dr. Tom Potts
Human Resource Management	Dr. Joe Cox and Dr. Cindy Wu
Information Systems	Dr. G.W. Willis and Dr. Tim. Kayworth
International Business	Dr. Joe McKinney
Management	Dr. Phil VanAuken and Dr. Merideth Ferguson
Marketing	Dr. Jerry Johnson, Dr. Chris Pullig, Dr. Kirk Wakefield, and Dr. Stan Madden
Media Business	Dr. Chris Pullig
Professional Selling	Dr. Andrea Dixon
Public Administration	Dr. Tom Kelly
Real Estate	Dr. Charles Delaney and Dr. L.M. Dyson
Risk Management and Insurance	Dr. James Garven and Dr. Allen Seward
Sports Sponsorship and Sales	Dr. Kirk Wakefield and Dr. Darryl Lehnus

### Undergraduate Office

All Majors	Ms. Krista Meek, M.S.Ed., Assistant Dean
All Majors	Mrs. Hatt Fadal, M.S.Ed., Assistant Director
All Majors	Mrs. Pam Bailey, M.S.Ed., Advisor
All Majors	Mr. Sam Binkley, M.S.Ed., Advisor
All Majors	Mrs. Virginia Ellis, M.S., Advisor
All Majors	Ms. Caitlin Forehand, M.S.Ed., Advisor
All Majors	Mrs. Brandy Langford, M.A., Advisor
All Majors	Mrs. Amy Rhodes, B.A., Advisor

Students majoring or minoring in business as a non-BBA student are advised as follows:

Economics	Dr. Steve Gardner or Dr. Tisha Emerson
Business Administration Minor	Dr. John Knue
Entrepreneurship Minor	Dr. Les Palich
Nonprofit Minor	Dr. Stan Madden

# School of Education



## SCHOOL OF EDUCATION FACULTY

Jon M. Engelhardt, Ph.D. .... Dean  
 Douglas W. Rogers, Ed.D. .... Associate Dean for Student and Information Services  
 Rodney G. Bowden, Ph.D. .... Associate Dean for Graduate Studies and Research  
 Joel R. Porter, Psy.D. .... Director of Advising and Enrollment Management  
 Krystal K. Goree, Ph.D. .... Director of Professional Practice

### DEPARTMENT OF EDUCATIONAL

#### ADMINISTRATION

Robert C. Cloud, Ed.D., Chair  
 Nathan F. Alleman, Ph.D.  
 Perry L. Glanzer, Ph.D.  
 Mary Ann Jordan, Ed.D.  
 T. Laine Scales, Ph.D.  
 Rishi R. Sriram, Ph.D.  
 John E. Wilson, Ph.D.

#### DEPARTMENT OF CURRICULUM AND INSTRUCTION

Larry J. Browning, Ed.D., Interim Chair  
 Betty Ruth Baker, M.Ed.  
 Brook Blevins, Ph.D.  
 Barbara Cassiday, Ed.D.  
 Betty J. Conaway, Ph.D.  
 Sandi Cooper, Ph.D.  
 Linda H. Cox, M.S.  
 Jon M. Engelhardt, Ph.D.  
 Sheila R. Gloer, Ed.D.  
 Karon N. Le Compte, Ph.D.  
 Madelon McCall, Ed.D.  
 Suzanne M. Nesmith, Ph.D.  
 John C. Park, Ph.D.  
 Douglas W. Rogers, Ed.D.  
 Rachelle D. Rogers, Ed.D.  
 Susan H. Schafer, Ph.D.  
 Gretchen E. Schwarz, Ph.D.  
 Patricia A. Sharp, Ph.D.  
 Richard Strot, M.Ed.  
 Tony L. Talbert, Ed.D.  
 Margaret S. Thomson, M.Ed.  
 Trena L. Wilkerson, Ph.D.  
 Mary M. Witte, Ed.D.  
 Randy M. Wood, Ph.D.

#### ENDOWED POSITIONS IN THE SCHOOL OF EDUCATION

The Fred and Edith Hale Professorship  
 The Conwell G. Strickland Professorship in  
 Education

### DEPARTMENT OF EDUCATIONAL PSYCHOLOGY

Marley Watkins, Ph.D., Chair  
 Patricia Arredondo, M.S. Ed.  
 Janet H. Bagby, Ph.D.  
 A. Alexander Beaujean, Ph.D.  
 Tonya N. Davis, Ph.D.  
 Tamara Hodges, Ph.D.  
 Julie K. Ivey-Hatz, Ph.D.  
 Susan K. Johnsen, Ph.D..  
 Eric L. Robinson, Ph.D.  
 Terrill F. Saxon, Ph.D.

### DEPARTMENT OF HEALTH, HUMAN PERFORMANCE AND RECREATION

Rafter S. Lutz, Ph.D., Chair  
 Anthony M. Boucher, Ph.D.  
 Rodney G. Bowden, Ph.D.  
 W. Dale Connally, Ph.D.  
 Eva I. Doyle, Ph.D.  
 John W. Faribault, M.S.Ed.  
 Karen B. Fredenburg, Ph.D.  
 Peter W. Grandjean, Ph.D.  
 Lori D. Greenwood, Ph.D.  
 Loeen Irons, M.S.Ed.  
 Mary Ann Jennings, Ed.D.  
 Deborah L. Johnston, Ed.D.  
 Paul LaBounty, Ph.D.  
 Beth A. Lanning, Ph.D.  
 Brian C. Leutholtz, Ph.D.  
 Marshall Magnusen, Ph.D.  
 Kelli K. McMahan, M.S.  
 Glenn A. Miller, Ph.D.  
 Jeffrey C. Petersen, Ph.D.  
 Jaeho Shim, Ph.D.  
 Barbalee W. Symm, Ph.D.  
 Michelle R. Umstad, Ph.D.  
 Darryn S. Willoughby, Ph.D.  
 Margaret E. Woody, Ph.D.  
 Christopher J. Wynveen, 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, other professional school personnel, and the development of human performance, health and recreation specialists for relevant professional careers. 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 or other professional licensures.

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. In addition to the teaching profession, students in the School of Education prepare for careers in health, exercise and recreation – including pre-professional work in medicine, physical therapy, and dentistry.

As a field of elective work for students in other academic units, the courses in professional education, health, human performance, and recreation 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 and recreation/health science specialists.

The Baylor School of Education has the distinction of being accredited by the National Council for Accreditation of Teacher Education (NCATE).



## **SERVICES AND OPPORTUNITIES FOR STUDENTS**

### **Advising for Prospective Teachers and Health, Human Performance and Recreation Specialists; Draper 100**

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**

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); Draper 207**

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; Draper 212**

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.

### **Future Graduate Study Opportunities; Burleson 118**

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.

### **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 Brazil, Costa Rica, and periodically in other world cities.

## **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 for Childhood Education International**

The Association for Childhood Education International (ACEI) is a professional organization that works toward the development of better informed teachers concerned with the education and welfare of children. Because of its international status, ACEI affords its members opportunities to study and travel both locally and abroad.

The Baylor chapter of ACEI strives to provide opportunities for professional growth through service-oriented projects, a variety of speakers, and social opportunities to share ideals and educationally oriented goals. Rechartered in the fall of 1982, the Baylor chapter is striving to increase its impact in the area of education. The chapter received international recognition in the ACEI Exchange for programs and projects.

**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.

**Athletic Training Student's 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.

**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.

**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.

**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.

**Pi Lambda Theta**

Pi Lambda Theta is an international honor society and professional association in education that recognizes academic excellence and promotes the development of educational leaders. Membership is open to undergraduate and graduate students who have met specific academic requirements or who have achieved certification by the National Board of Professional Teaching Standards. Students are invited to become members only upon the recommendation of the participating university.

**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 handicapped individuals.

**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 2007-2008, Baylor University School of Education enrolled 513 students in teacher education programs. There were 134 students enrolled in supervised student teaching/internships.

The pass rate for the 134 students who were tested by ExCET and TExES was 99%.

**REQUIREMENTS FOR TEXAS TEACHER CERTIFICATION**

*Sandra Parnell, Certification Officer*

**GENERAL REQUIREMENTS FOR TEXAS TEACHING CREDENTIALS****I. Types of Certificates**

- A. Baylor University offers the following types of educator preparation programs as defined by the State Board for Educator Certification:
  - 1. Standard
  - 2. Probationary
  - 3. Professional
- B. The State Board for Educator Certification (SBEC) shall issue appropriate certificates to qualified individuals who meet all requirements. The certificate shall identify the name of the holder, the class, grade levels, and subject areas of the certificate and bear the signature of the SBEC chair. Copies of teaching certificates may be obtained online.

**II. Classes of Certificates**

- A. Class of Certificates means a certificate with the following characteristics:
  - 1. Specific job duties or functions are associated with the certificate.
  - 2. Standards are established by the State Board of Educator Certification for the issuance of the certificate.
  - 3. Comprehensive examination is prescribed by the State Board Of Educator Certification for the certificate.
- B. Classes of certificates candidates may currently seek at Baylor University include:
  - 1. Principal
  - 2. Classroom Teacher
  - 3. Master teacher

**III. General Requirements**

- A. The only credits and degrees acceptable for certification of all educators are those earned from and conferred by institutions of higher education that at the time were accredited or otherwise approved by an accrediting organization recognized by the Texas Higher Education Coordinating Board. All credit hour requirements for certification are semester credit hours of their equivalent.
- B. An applicant for a Texas educator certificate must:
  - 1. Be at least 18 years of age.
  - 2. Successfully resolve any criminal history and not be disqualified or the subject of a pending proceeding under Chapter 249 of Texas Administrative Code (TAC) (relating to Disciplinary Proceedings, Sanctions, and Contested Cases)..
  - 3. Be willing to support and defend the constitutions of the United States and Texas.
  - 4. Be able to speak and understand the English language sufficiently to use it easily and readily in conversation and teaching.
- C. Texas educator certificates are issued to individuals who meet the above qualifications and who satisfy one or more of the following requirements:
  - 1. Complete all academic and examination requirements of an approved educator program (EPP) and are recommended for certification by the EPP;
  - 2. Complete all academic and examination requirements through an approved alternative certification program and are recommended for certification by the program.
  - 3. Qualify for additional certification based on successful performance on the appropriate examination.

**REQUIREMENTS FOR THE TEXAS STANDARD CERTIFICATE**

The State Board for Educator Certification was created by Senate Bill 1 passed by the 74th Texas Legislature in 1995. Any certificate or program approval issued by the State Board of Education shall be valid until modified, altered, or canceled by action of the State Board For Educator Certification.

The standard teaching credential is issued to an applicant who has acquired at least a bachelor's

degree and who is otherwise eligible to teach in the public schools of Texas. The exceptions to the degree requirement are certain vocational certificates issued on the basis of work experience and the non-degreed school nurse certificate.

### I. General Provisions

All institutions operating teacher education programs in Texas must be approved by the State Board For Educator Certification.

### II. Program Requirements

**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 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://www.baylor.edu/soe/apply>. The application materials should be filled out and brought to the advising appointment the *semester prior* to entering the junior level Teaching Associate (TA) experience. Acceptance and retention is contingent on meeting all requirements for the program of choice. Applications will be reviewed and notification of action sent by email or mail. If not accepted, an appeal may be submitted.

•Program requirements for each certificate are available through the Office of Academic Advising, Draper 100, and are posted on the School of Education website. ([www.baylor.edu/SOE/certification](http://www.baylor.edu/SOE/certification)).

•All candidates are required to complete and submit a criminal history check form annually.

•Retention in the Teacher Education Program requires that candidates take all diagnostic tests for which they are being prepared prior to the internship year. Eligibility for certification requires successful completion of official TExES tests. All diagnostic TExES requirements and approvals for official exams are coordinated by the Office of Professional Practice.

•**In accordance with School of Education policy, certification candidates will register for and complete only one exam per official testing date:**

### III. Validity

The Standard Certificate is valid for five years unless canceled by lawful authority and gives the holder legal authority to perform duties in the public schools of Texas in the specialized areas designated on the face of the certificate.

### IV. Requirements for the Standard Certificate

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 Generalist
2. Middle Grades 4-8
  - English Language Arts and Reading
  - Mathematics
  - Social Studies
  - Science
3. Secondary grades 8-12
  - English Language Arts and Reading
  - History
  - Human Development and Family Studies
  - Hospitality, Nutrition, and Food Science
  - Life Science
  - Mathematics
  - Physical Science
  - Science
4. Grades 6-12
  - Family and Consumer Science
  - Business Education
5. EC-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

Special Education

C. Receive satisfactory score(s) on TExES certification exams.

**V. Requirements for Renewal (every five years)**

A. All certified educators, including educational aides, seeking to renew a certificate(s) must:

1. Hold a valid Standard Certificate that has not been, nor is in the process of being sanctioned by SBEC.
2. Successfully complete a criminal review.
3. Not be in default on a student loan or in arrears of child support.
4. Complete a total of 150 clock hours of continuing professional education.
5. Pay a renewal fee (to be determined).

B. Superintendents, principals, and assistant principals, must complete 200 continuing professional education hours. Principals and assistant principals are also required to complete an assessment process designed to assist in the development of a professional growth plan.

C. Activities that count toward continuing professional education:

1. Workshops, conferences, and in-service or staff development given by an approved provider or sponsor.
2. Undergraduate and post-graduate coursework through an accredited institution of higher education, with one semester credit hour being equivalent to fifteen CPE clock hours.
3. Interactive distance learning, video conferencing, or on-line activities.
4. Independent study, not to exceed thirty hours.
5. Developing curriculum or CPE training materials.
6. Serving as a mentor, not to exceed forty-five clock hours.
7. Serving as an assessor for the principal assessment, not to exceed fifteen hours.

D. Providers of Continuing Professional Education

1. Workshops, conferences, and in-service or staff development given by an approved provider or sponsor.
2. Undergraduate and post-graduate coursework through an accredited institution of higher education, with one semester credit hour being equivalent to fifteen CPE clock hours.
3. Interactive distance learning, video conferencing, or on-line activities.
4. Independent study, not to exceed thirty hours.
5. Developing curriculum or CPE training materials.
6. Presenting CPE activities, not to exceed fifteen hours.
7. Serving as a mentor, not to exceed forty-five clock hours.
8. Serving as an assessor for the principal assessment, not to exceed fifteen hours.

**VI. How to Obtain a Standard Certificate**

1. All candidates need to apply for certification during their Student Teaching or Internship semester/year.
2. To apply for certification candidates must
  - a. Log on to the Texas Education Agency website at [www.tea.state.tx.us](http://www.tea.state.tx.us)
  - b. Click on the link for "Educator Login"
  - c. Click on "Application"
  - d. Click on the link "Apply for My Certification"
  - f. Follow the instructions for applying for certification
  - g. Pay by credit card online or print the fee remittance form and mail with the appropriate payment (\$77 fee).
  - h. Begin the fingerprint selection process while online and pay for the fingerprinting.
3. SBEC will inform the Office of Professional Practice when a Baylor candidate has applied for certification. Baylor must make a positive recommendation for the candidate to be

certified. A candidate will qualify for Baylor's recommendation when the candidate is an official graduate of Baylor University and all appropriate examinations have been passed. The Office of Professional Practice can complete a recommendation before a candidate has submitted their fingerprints and paid the appropriate fee; however, SBEC will not issue a certificate until all forms and fees have been submitted.

4. A "Completion Letter" will be mailed to the candidate indicating that the candidate has been recommended for certification. The completion letter will serve as official documentation of candidate's recommendation for certification until the official certificate is issued by SBEC.
5. Candidates should keep their information current on the SBEC webpage because this is the address used for mailing certificates. It is also the address used by the Office of Professional Practice if it is necessary to get in touch with a candidate after graduation.
6. The Office of Professional Practice recommends that the candidate complete the process for a Texas Certificate even when the candidate plans to move and teach in another state. Obtaining a second teaching certificate in another state is usually easier if a candidate already holds a valid teaching certificate.

**\*It is in the candidate's best interest to complete the certification process as soon as possible. Significant delays in completing the certification process may subject the candidate to additional requirements and /or testing that are implemented between the time a candidate qualifies for certification and the time at which the candidate applies for a certificate and completes the certification process.**

## 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, Draper 100. 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://www.baylor.edu/soe/apply>. The application materials should be filled out and brought to the Office of Academic Advising, Draper 100, advising 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:
  - 2.6 Overall
  - 2.6 Academic Major
  - 2.6 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.
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 of the following classes TED 36x0, 3340, and 3341.

#### TESTS FOR ADMISSION AND CERTIFICATION

1. 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 three (3) 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.  
For tests taken Spring 1994 or later a Texas Learning Index of 89 on the reading part and 86 on the mathematics part with a minimum score of 1770 on the writing part is required. These scores may be no more than three years old.
- b. ***Scholastic Assessment Test (SAT):*** Scholastic Assessment Test (SAT) a combined 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.
- c. ***American College Test (ACT):*** 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 SAT or ACT 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.

## 2. TEXAS EXAMINATIONS OF EDUCATOR STANDARDS (TExES)

Students will be required to present acceptable scores on the Texas Examination of Educators Standards (TExES) in their respective teaching areas, Pedagogy and Professional Responsibilities, and/or areas of specialization before any type of teacher certification is granted by the State of Texas. Baylor recommends that candidates complete all official certification exams during the Teaching Associate year.

## 3. TEXAS ASSESSMENT OF SIGN COMMUNICATION (TASC)

All persons seeking certification to teach students who are deaf or hard of hearing (i.e., seeking the Hearing Impaired certificate) **and who wish to teach in a sign communication classroom** must pass the TASC. The TASC requirement is in addition to other certification requirements already in effect per SBEC. Sign communication means communication through manual systems such as the following:

- American Sign Language (ASL)
- Contact Sign (CS)
- Signed English (SE)
- Signing Exact English (SEE2)
- Morphemic Sign System (MSS)

**Persons who seek the Hearing Impaired certificate to teach in a classroom in which another communication method is predominately used, such as Oral/Aural or Cued Speech, are not required to pass the TASC.** These students will have their communication proficiency assessed by their educator preparation program.

## 4. AMERICAN ASSOCIATION OF FAMILY AND CONSUMER SCIENCES (AAFCS)

AAFCS offers standards-based examinations that test the subject matter competence of professionals who plan to practice in family and consumer sciences or one of the areas within family and consumer sciences. Three examinations are currently offered. They are:

- Family & Consumer Sciences (FCS) — Composite Examination
- FCS - Human Development & Family Studies (HD&FS) Concentration Examination
- FCS - Hospitality, Nutrition & Food Science (HN&FS) Concentration Examination

The AAFCS examinations are designed to:

- assure the public that family and consumer sciences professionals have attained a threshold level of knowledge and competence in family and consumer sciences subject matter that enables them to perform services as defined by the profession;
- foster excellence in the family and consumer sciences profession and to develop criteria for assessing such excellence; and
- promote the professional growth of individuals in family and consumer sciences by encouraging a systematic program of certification, professional development and continuing education.

5. Information concerning application forms, costs, registration, and test dates for the THEA, ExCET, and TExES tests may be obtained from the Office of Professional Practice in 101 Draper, School of Education. THEA information is also available in the Office of Institutional Research and Testing.

## 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 Saturday 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 Gifted & Talented  
Elementary Education Special Education  
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 Physical Education  
All Level Special Education  
All Level Spanish

Athletic Training  
Community Health  
Exercise Physiology  
General Studies in HHPR  
Health Science Studies - Pre Medical/Pre Dental  
Health Science Studies - Pre Physical Therapy  
Health Science Studies - Health Professional  
Health Science Studies - Secondary Science Education  
Recreation Leisure Studies - Outdoor Recreation  
Recreation Leisure Studies - Church Recreation

#### Minors

Dance  
Community Health  
General Science for Biology Majors  
Educational Psychology  
Leadership

## 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, 101 Draper.

- I. Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.) Degree**  
The B.S.F.C.S. degree in Family and Consumer Sciences; Human Development and Family Sciences; or Hospitality, Nutrition, and Food Science is a teacher certification program on the secondary level. The full requirements for this B.S.F.C.S. degree program with teacher certification are listed in the College of Arts and Sciences section of this catalog.
- II. 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.
- III. Bachelor of Business Administration (B.B.A.) Degree**  
The B.B.A. degree offers teacher certification in Business Education. The full requirements for this B.B.A. degree program with teacher certification are listed in the School of Business section of this catalog.
- IV. 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. The Department of Health, Human Performance, and Recreation offers several non-certification majors which are listed in that section of the catalog.
- V. Bachelor of Arts (B.A.) in Communication Sciences and Disorders (C.S.D.) Degree**  
The C.S.D. degree offers teacher certification in deaf education. The full requirements for this B.A. degree program with teacher certification are listed in the College of Arts and Sciences section of this catalog.
- VI. 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 and Sciences section of this catalog.
- VII. 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 and Sciences section of this catalog.

### 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. Baylor Interdisciplinary Core (BIC)
2. Non-BIC Core

The Baylor Interdisciplinary Core (BIC) program is an interdisciplinary core curriculum which is the preferred choice for teacher certification. 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**

<b>I. Degree Requirements</b>	<b>121-127 sem. hrs.</b>
A. Advanced Hours.....	minimum 36 hrs.
B. Professional Education.....	minimum 36 hrs.
C. Academic Major.....	minimum 36 hrs.
<b>II. Residence Requirements</b>	
A. Degree Minimum .....	60 sem. hrs., including last 30 hrs.
B. Chapel—two semesters.....	no credit
<b>III. Grade Point Average</b>	
A. Grade points are earned on residence work at Baylor only.	
B. Minimum required for retention in major: 2.6 average in major and overall.	
<b>IV.A. General Studies (BIC)</b>	<b>49-54 hrs.</b>
A. BIC 1212, 1314, 1323, 1324, 1413, 2330, 2334, 2340, 2344, 2437, 2447, 3358.....	38 hrs.
B. MTH 1315 and 1316 .....	6 hrs.
C. <b>Language</b> .....	3-8 hrs.
Second semester proficiency in a modern or classical language	
D. Human Performance: HP 3346.....	3 hrs.
E. Chapel—two semesters .....	no credit
<b>IV.B. General Studies (Non-BIC)</b>	<b>52-60 hrs.</b>
A. ENG 1302 and 1304 .....	6 hrs.
B. REL 1310 and 1350 .....	6 hrs.
C. <b>Language</b> .....	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, GEO, PHY .....	8 hrs.
F. Social Science: HIS 2365 and PSC 2302 and 3 hours from the following list: ....	9 hrs.
ANT, ECO, GEOG, HIS, PHI, PSC, SOC or PSY	
G. Music 3336 .....	3 hrs.
H. Human Performance, including HP 1134, HED 1145 and HP 3346.....	5 hrs.
I. TED 2381 and 2380 or 3380 .....	6 hrs.
J. TED 1112 concurrent with TED 1312 and TED 2112 concurrent with TED 2320 .....	2 hrs.
K. Chapel—two semesters .....	no credit
<b>V. Professional Studies</b>	<b>6 hrs.</b>
TED 1312, 2320	
<b>VI. Academic Major</b>	<b>27 hrs.</b>
A. TED 3301, 3325, 4302, 4307, 4308, 4312, and 4326.....	21 hrs.
B. LS 3305 and MTH 3318 .....	6 hrs.
<b>VII. Teaching Associate</b>	<b>12 hrs.</b>
TED 3620 and 3621	
<b>VIII. Internship</b>	<b>24 hrs.</b>
TED 4620, 4621, 4622, 4623	

**BACHELOR OF SCIENCE IN EDUCATION  
WITH MIDDLE GRADES TEACHER CERTIFICATION**

<b>I. Degree Requirements</b>	<b>minimum 124 sem. hrs.</b>
A. Advanced Hours.....	minimum 36 hrs.
B. Professional Education.....	minimum 36 hrs.
C. Academic Major.....	minimum 30 hrs.
<b>II. Residence Requirement – minimum</b>	
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: 2.6 average in major and overall.

#### IV.A. General Studies (BIC) ..... 49-57 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. Human Performance ..... 2 hrs.
- E. Chapel—two semesters ..... no credit

#### IV.B. General Studies (Non-BIC) ..... 50-58 hrs.

- A. ENG 1302 and 1304 ..... 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 1304 and STA 1380
- E. Laboratory Science: Choose from BIO, CHE, GEO, PHY ..... 8 hrs.
- Note: Science majors will complete courses required in major.*
- F. Social Science: HIS 2365 and PSC 2302 ..... 6 hrs.
- G. Fine Arts ..... 3 hrs.
- H. TED 2381 and 2380 or 3380 ..... 6 hrs.
- I. TED 1112 concurrent with TED 1312 and TED 2112 concurrent  
with TED 2320 ..... 2 hrs.
- J. Human Performance (Including HP 1134 and HED 1145) ..... 4 hrs.
- K. Chapel—two semesters ..... no credit

#### V. Professional Studies ..... 6 hrs.

TED 1312, 2330

#### VI. Academic Majors ..... 30-36 hrs.

##### A. English, Language Arts, and Reading ..... 27 hrs.

- 1. ENG 2301, 2304, 2306, 3302 or 3310, 4324 ..... 15 hrs.
- 2. LS 4320 ..... 3 hrs.
- 3. TED 3335, 3346, 4322 ..... 9 hrs.

##### B. Mathematics ..... 36 hrs.

- 1. MTH 1315, 1316, 2316, 2317, 3318, 3350, 3374, 3340, 4343 ..... 27 hrs.
- 2. TED 4326, 4337, 4349 ..... 9 hrs.

##### C. Social Studies ..... 36 hrs.

- 1. HIS 1305, 1306, 1307, 2365, 2366, 3380, 3395 ..... 21 hrs.

*Note: World Cultures I, II, III, and IV in the BIC program will substitute for HIS 1305, 1306, and 1307.*

- 2. PSC 1306 ..... 3 hrs.
- 3. ECO 1305 ..... 3 hrs.
- 4. GEOG 4316 or TED 4355 ..... 3 hrs.
- 5. Three (3) Advanced Hours (3000-4000) from: ANT, ECO, GEOG, HIS,  
PSC, SOC ..... 3 hrs.
- 6. TED 4341 ..... 3 hrs.

##### D. Science ..... 35 hrs.

- 1. BIO 1305, 1105, 1306, 1106 ..... 8 hrs.
- 2. CHE 1301, 1302, 1101, 1102 ..... 8 hrs.
- 3. GEO 1408 and GEO 4 hr. class ..... 7 hrs.
- 4. PHY 1408 and 1409 ..... 8 hrs.
- 5. TED 4325 ..... 3 hrs.

#### VII. Teaching Associate ..... 12 hrs.

TED 3630 and 3631

#### VIII. 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: 2.6 average in major and overall.
- IV.A. 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 1304 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.
  - C. **Language** ..... 3-8 hrs.  
Second semester proficiency in a modern or classical language.
  - D. Human Performance ..... 2 hrs.
  - E. Chapel–two semesters ..... no credit
- IV.B. General Studies (Non-BIC) ..... 50-58 hrs.**
  - A. ENG 1302 and 1304 ..... 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 1304 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 2365 and PSC 2302 ..... 6 hrs.
  - G. Fine Arts: ART 1300 and MUS 1220 ..... 5 hrs.
  - H. TED 2381 and 2380 or 3380 ..... 6 hrs.
  - I. TED 1112 concurrent with TED 1312 and TED 2112 concurrent with TED 2340 ..... 2 hrs.
  - J. Human Performance (Including HP 1134 and HED 1145) ..... 4 hrs.
  - K. Chapel–two semesters ..... no credit
- V. Professional Studies ..... 6 hrs.**  
TED 1312, 2340
- VI. Academic Major ..... 30- 45 hrs.**
  - A. English, Language Arts, and Reading ..... 33 hrs.**
    - 1. ENG 2301, 2306, 3302 or 3310, 3380, 3390, 4324 ..... 18 hrs.
    - 2. Choose six hours from: ENG 3331, 3351, 3374, 4314, 4387 ..... 6 hrs.
    - 3. LS 4320 ..... 3 hrs.
    - 4. TED 3346, 4322 ..... 6 hrs.
  - B. Life Science ..... 37-38 hrs.**
    - 1. BIO 1305, 1105, 1306, 1106, 2306, 2106, 3403, 3422 or HP 1420, 4365, and one BIO upper level (3000-4000) course.....26-27 hrs.
    - 2. CHE 1300, 1100, 1341, 1146 ..... 8 hrs.
    - 3. TED 4325 ..... 3 hrs.

<b>C. Mathematics</b>	<b>45 hrs.</b>
1. MTH 1321, 1322, 2311, 2321, 3312, 3323, 3340, 3350, 3374, 4343, STA 3381	33 hrs.
2. Six hours of advanced Mathematics (3000-4000)	6 hrs.
3. TED 4348 and 4349	6 hrs.
<b>D. Physical Science</b>	<b>32 hrs.</b>
1. CHE 1301-1101, 1302-1102, 3331, 3332, 3238	17 hrs.
2. PHY 1420, 1430	8 hrs.
3. Four hours of advanced Physics (3000-4000)	4 hrs.
4. TED 4325	3 hrs.
<b>E Social Studies</b>	<b>36 hrs.</b>
1. ECO 1305	3 hrs.
2. HIS 1305, 1306, 1307, 2365, 2366, 3380, 3395	21 hrs.
<i>Note: World Cultures I, II, III, and IV in the BIC program will substitute for HIS 1305, 1306, and 1307.</i>	
3. Three (3) Advanced Hrs. (3000-4000) from: ANT, ECO, GEOG, HIS, PSC, SOC	3 hrs.
4. TED 4355	3 hrs.
5. PSC 1305 OR 1306	3 hrs.
6. TED 4341	3 hrs.
<b>VII. Teaching Associate</b>	<b>12 hrs.</b>
A. TED 3340 and 3341	
B. Two courses from the following based on content field (Mathematics, Social Studies, Science, Art, or English Language Arts).	
TED 3383, 3384 or 3385, 3386 or 3387, 3388 or 3394, 3395 or 3396, 3397	
<b>VIII. Internship</b>	<b>24 hrs.</b>
TED 4640, 4641, 4642, 4643	

### BACHELOR OF SCIENCE IN EDUCATION WITH ALL-LEVEL PHYSICAL EDUCATION TEACHER CERTIFICATION

<b>I. Degree Requirements</b>	<b>minimum 124 sem. hrs.</b>
A. Advanced Hours	minimum 36 hrs.
B. Professional Education	minimum 36 hrs.
C. Academic Major	minimum 35 hrs.
<b>II. Residence Requirement—minimum</b>	
A. Degree Minimum	60 hrs., including last 30 hrs.
B. Chapel—two semesters	no credit
<b>III. Grade Point Average—minimum</b>	
A. Grade points are earned on residence work at Baylor only.	
B. Minimum required for retention in major: 2.6 average in major and overall.	
<b>IV.A. General Studies (BIC)</b>	<b>50-58 hrs.</b>
A. BIC 1212, 1314, 1323, 1324, 1413, 2330, 2334, 2340, 2344, 2437, 2447, 3358	38 hrs.
B. MTH 1301 and STA 1380	6 hrs.
<b>C. Language</b>	3-8 hrs.
Second semester proficiency in a modern or classical language.	
D. Human Performance 1144, 2102, 3136	3 hrs.
E. Chapel—two semesters	no credit
<b>IV.B. General Studies (Non-BIC)</b>	<b>40-50 hrs.</b>
A. ENG 1302 and 1304	6 hrs.
B. REL 1310 and 1350	6 hrs.
<b>C. Language</b>	3-8 hrs.
Second semester proficiency in a modern or classical language.	
D. MTH 1301 and STA 1380	6 hrs.
E. Social Science: HIS 2365 and PSC 2302	6 hrs.
F. Fine Arts: ART 1300 and MUS 1220	5 hrs.
G. TED 2381, 2380 or 3380	6 hrs.

H. TED 1112 concurrent with TED 1312 and TED 2112 concurrent with TED 2370 .....	2 hrs.
I. Human Performance 1144, 2102, 3136, HED 1145 .....	4 hrs.
J. Chapel—two semesters .....	no credit
<b>V. Professional Studies</b> .....	<b>6 hrs.</b>
TED 1312, 2370 .....	
<b>VI. Academic Major</b> .....	<b>35 hrs.</b>
A. HP 1420, 2306 or 2307, 2341, 2420 .....	14 hrs.
B. HP 3300, 3301, 3368, 3381, 4368, 4369, 4370.....	21 hrs.
<b>VII. Teaching Associate</b> .....	<b>6 hrs.</b>
TED 3670 .....	
<b>VIII. Internship</b> .....	<b>24 hrs.</b>
TED 4670, 4671, 4672, 4673 .....	
<b>IX. Required Electives</b> .....	<b>9-12 hrs.</b>
Required electives must be approved by Human Performance Director or representative of HP Director.	

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

<b>I. Degree Requirements</b> .....	<b>minimum 124 sem. hrs.</b>
A. Advanced Hours .....	minimum 36 hrs.
B. Professional Education .....	minimum 36 hrs.
C. Academic Major .....	minimum 30 hrs.
<b>II. Residence Requirements</b>	
A. Degree Minimum .....	60 hrs., including last 30 hrs.
B. Chapel-two semesters .....	no credit
<b>III. Grade Point Average</b>	
A. Grade points are earned on residence work at Baylor only.	
B. Minimum required for retention in program: 2.6 average in major and overall.	
<b>IV.A General Studies (BIC)</b> .....	<b>43 hrs.</b>
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. Human Performance .....	2 hrs.
D. Chapel-two semesters .....	no credit
<b>IV.B General Studies (Non-Bic)</b> .....	<b>47 hrs.</b>
A. ENG 1302 and 1304 .....	6 hrs.
B. REL 1310 and 1350 .....	6 hrs.
C. MTH 1301 and STA 1380 .....	6 hrs.
D. Laboratory Science: Choose from BIO, CHE, GEO, PHY .....	8 hrs.
E. Social Science: HIS 2365 and PSC 2302 .....	6 hrs.
F. Fine Arts: ART 1300 and MUS 1220 .....	5 hrs.
G. TED 2381 and 2380 or 3380 .....	6 hrs.
H. TED 1112 concurrent with TED 1312 and TED 2112 concurrent with TED 2330 or 2340 .....	2 hrs.
I. Human Performance (including HP 1134 and HED 1145) .....	4 hrs.
J. Chapel-two semesters .....	no credit
<b>V. Professional Studies</b> .....	<b>6 hrs.</b>
TED 1312, 2330 or 2340 .....	
<b>VI. Academic Major</b> .....	<b>34-38 hrs.</b>
A. SPA 1401 and 1402 or 1412 .....	4-8 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.
<b>VII. Teaching Associate</b> .....	<b>12 hrs.</b>
TED 3340, 3341, 3390, and 3391 .....	

- VIII. 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: 2.6 average in major and overall.
- IV.A. General Studies (BIC)** ..... **49-57 hrs.**  
 A. BIC 1212, 1314, 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. Human Performance ..... 2 hrs.  
 E. Chapel–two semesters..... no credit
- IV.B. General Studies (Non-BIC)** ..... **50-58 hrs.**  
 A. ENG 1302 and 1304..... 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, GEO, PHY ..... 8 hrs.  
 F. Social Science: HIS 2365 and PSC 2302..... 6 hrs.  
 G. Fine Arts: ART 1300 and MUS 1220..... 5 hrs.  
 H. Human Performance (including HP 1134 and HED 1145)..... 4 hrs.  
 I. TED 2381 and 2380 or 3380..... 6 hrs.  
 J. TED 1112 concurrent with TED 2360 and TED 2112..... 2 hrs.  
 K. Chapel–two semesters..... no credit
- V. Professional Studies** ..... **6 hrs.**  
 TED 1312, 2360
- VI. Academic Major** ..... **25-26 hrs.**  
 A. TED 3367, 3381, 3469, 4350, 4351, and 4312 or CSD 1405..... 19-20 hrs.  
 B. EDP 3361, 3376 ..... 6 hrs.
- VII. Teaching Associate** ..... **12 hrs.**  
 TED 3660 and 3661
- VIII. Internship** ..... **24 hrs.**  
 TED 4660, 4661, 4662, 4663

**SUPPLEMENTAL CERTIFICATES**

The School of Education offers the following two supplemental certificates:

- Gifted and Talented Supplemental Certification (Applicable only to elementary certification.)
- English as a Second Language Supplemental Certification

These two supplemental certifications can be added to certain levels of certification. Please check



with the Office of Academic Advising in the School of Education for details of this addition to your certification if you are interested.

**Gifted and Talented: (Courses required)**

- A. TED 2350 Teaching GT Students (must be taken in the sophomore year)
- B. TED 4350 Exceptionalities (GT Section) (taken in senior year)
- C. TED 4351 Differentiating Instruction (GT Section) (taken in senior year)

**Special Education: (Courses required)**

- A. TED 2360 Teaching Special Education
- B. EDP 3326 The Developing Child
- C. EDP 3376 Applied Behavior Analysis
- D. TED 3469 Literacy for Students with Special Needs

**English as a Second Language: (Course required)**

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

## **Minor in Educational Psychology**

The minor in Educational Psychology is an interdisciplinary undergraduate minor with an emphasis in adult learning. 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 Communication Department (CSS) and/or Management Department (MGT).

**EDP Courses (EDP) (must take all 3):**

- EDP 3324 (Learning & Development)
- EDP 3325 (Introduction to Educational Psychology)
- EDP 4341 (The Adult Learner)

**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 4310 (Team Development and Management)
- MGT 4320 (Negotiation/Conflict Resolution)
- MGT 4336 (Human Resource Management)

## **MINOR IN LEADERSHIP STUDIES**

**Leadership Studies Core (12 hours in Educational Administration)**

- LDS 1301 Introduction to Leadership Theory
- LDS 2301 Vocation Specific Leadership (linking theory to profession or discipline)
- LDS 3101 Students also select (3) 1 hour special leadership seminars, including topics such as:  
Women in Leadership; Leadership in a Multicultural World; Leadership and the Church;  
and Leadership in a Global Context.
- LDS 4398 Advanced Leadership Theory (capstone course).

**Leadership Studies Elective Examples (6 hours from approved list of courses)**

- GTX 3350 Great Texts in Leadership
- MGT 4305 Organizational Leadership and Change
- ENG 4V19 Special Topics: Writing for Change

## HEARING IMPAIRED

In cooperation with the Department of Communication Sciences and Disorders in the College of Arts and Sciences the teacher certification for Hearing Impaired (PK-12) is offered. Please refer to the College of Arts and Sciences section of this catalog for details. (Sequence II-Deaf Education)

## HEALTH, HUMAN PERFORMANCE, AND RECREATION DEPARTMENT

The Department offers degree programs in Athletic Training, Community Health, Exercise Physiology, General Studies in HHPR, 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, community 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 dentistry, medicine, occupational therapy, and physical therapy through the pre-professional degree programs. The Department also offers a General Studies in HHPR program, which is designed to provide students a wide variety of career options. In addition, the Department houses the 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.

### ATHLETIC TRAINING

**Dr. Donald Fuller, Director**

Athletic training is recognized by the American Medical Association (AMA) as an allied health profession that provides comprehensive care to the physically active and athletic populations. A certified athletic trainer or ATC (not trainer) is involved in the prevention, evaluation, treatment, and rehabilitation of injuries. The athletic training education program (ATEP) at Baylor University leads to a Bachelor of Science in Education degree with a major in athletic training. This program is nationally accredited by the Commission on Accreditation of Athletic Training Education (CAATE) and prepares students to sit for both the national certification and Texas licensure exams for athletic trainers.

Admission into the professional phase of Baylor University's ATEP is selective and competitive. Prospective students complete a Candidate or pre-professional phase of study during their first or freshman year in college. The deadline for all ATEP Application Materials is **April 1**. All application materials and instructions can be found on the program's website. Application materials will be accepted after the deadline only if the maximum number of students has not been reached or if an applicant is still completing some of the application criteria (i.e., summer classes, observation hours). If there are any prospective students whose admission criteria is not complete or in progress, they should indicate this on their AT Program Application Checklist, which is submitted with the application materials. For students transferring from another university or changing their major to athletic training at Baylor, the candidacy phase may be completed during the spring and summer semesters by enrolling in HP 1310, HP 1320, and HP 1420 and completing the clinical observation during this time. Only those students who are formally admitted into the professional phase of the ATEP can continue with both the academic and clinical education components of our program.

### Admission Criteria

1. Must declare athletic training as major..
2. College cumulative grade point average (GPA) of 2.50 or higher.
3. Pre-requisite course GPA of 2.50 (C) or higher in all of the courses listed below. *These courses must be completed before professional program begins in August.*
  - a. Fundamentals of Athletic Training – HP 1310
  - b. Athletic Injury Care – HP 1320
  - c. Human Anatomy – HP 1420

- 4. Completion of clinical (athletic training) experience - observation: 100 hours minimum. The program’s clinical coordinator will assign Candidate students to their observation sites in Baylor Athletics during their fall and spring semesters (i.e., 50 hours per semester, 4 hours/week minimum for 12 weeks).

**Application Materials**

- 1. AT Program Admission Application
- 2. Official academic transcripts (all colleges/universities attended)
- 3. AT Program Application Checksheet
- 4. Documentation of clinical observation hours
- 5. Technical Standards for Admission into the AT program
- 6. Recommendations Forms (3 total)
- 7. Applicant Essay Questions (typed – see AT Application Instructions)
- 8. Physical exam, medical history, and vaccinations (including Hepatitis B – or waiver)

Once admitted into the professional phase of the ATEP, students take their professional courses and are assigned to clinical education rotations. This clinical education component of the ATEP involves hands-on application of skills within a variety of sports with Baylor’s Department of Athletics, high schools, clinics, doctor’s offices, and others. Students are assigned a minimum of 13-20 clinical education hours/week (i.e., 200-300 hours/semester). These CE hours are directly supervised by a clinical instructor and are required for academic courses. By graduation, students complete a minimum of 1,500 CE hours.

The purpose of the Baylor ATEP is to not only prepare students for the professional athletic training exams, but also to develop students into highly motivated and ethically based individuals. Not only must students successfully complete their academic requirements, but they must also adhere to the policies and procedures outlined in the Baylor Undergraduate Catalog and Athletic Training Student Handbook. Students must meet all of the items below to remain in the professional phase of the ATEP:

- 1. Maintain a minimum cumulative GPA of 2.50 and AT major GPA of 2.50. If the GPAs are not met, students will be placed on academic probation. The students will be allowed to proceed in their courses, but will be given a reduction in clinical education hours and will be required to attend 10 hours/week of study hall - determined by the program administrators. If the probation students do not meet these minimum GPA requirements by the end of the probation semester, they will be immediately dismissed from the ATEP and not allowed to enroll in any AT major core content course and clinical rotations. Formally dismissed students will be allowed to reapply to the ATEP through the normal application process after the GPAs have been met; however there is no guarantee the student will be readmitted.
- 2. Earn a course grade of C or better in all courses required for the athletic training major. Students can only repeat AT major core courses once for unsatisfactory progress.
- 3. Comply with the attendance policy of Baylor, ATEP, and course.
- 4. Comply with the university and ATEP’s academic/professional conduct policy. Some examples include: academic dishonesty, honor code, confidentiality, theft, dispensing drugs/alcohol, multiple ATEP infractions, or extremity/action that misrepresents the ATEP, university, and clinical sites.
- 5. Meet the minimum clinical education requirements.
- 6. Meet the competencies and proficiencies requirements.
- 7. Others may include: OSHA guidelines, drug screening policies, and other ATEP policies.

<b>I. BASIC STUDIES .....</b>	<b>43-46 hrs.</b>
A. ENG 1302, 1304, 3300.....	9 hrs.
B. REL 1310, 1350.....	6 hrs.
C. STA 1380.....	3 hrs.
D. Language.....	11 hrs.
This requirement can be fulfilled by a Modern Foreign Language or American Sign Language. A student must have 3rd Semester Proficiency.	
E. Humanities.....	minimum of 2 hrs.
A minimum of one course in History, Art, Drama, or Music	
F. CHE 1300 or CHE 1301 .....	3 hrs.
G. PSC 2302.....	3 hrs.

H. MIS 1305 .....	3 hrs.
I. CSS 1301 or 1302 .....	3 hrs.
J. Human Performance (3 HP activity courses).....	3 hrs.
K. Chapel—two semesters.....	no credit

## **II. ATHLETIC TRAINING MAJOR CORE .....80 hrs.**

A. Candidacy Level .....	14 hrs.
HP 1310, 1320, 1420, 1421	
B. Level I .....	22 hrs.
HP 2102, 2140, 2142, 2306, 2310, 2320, 2340, 2342, 2420	
C. Level II.....	23 hrs.
HP 2307, 2309, 3141, 3142, 3310, 3321, 3341, 3342, 4369	
D. Level III .....	21 hrs.
HP 3330, 3343, 4310, 4320, 4352, 4354, 4367, 4369	

### **COMMUNITY HEALTH**

**Dr. Beth A. Lanning, Director**

## **I. Degree Requirements ..... minimum 124 sem. hrs.**

A. Minimum .....	36 hrs. advanced (“3000” - “4000”) 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 in in major	
D. No course may be taken pass-fail.	

## **II. Basic Studies ..... 63-72 hrs.**

A. ENG 1302, 2301, 3300, and one course from 2304 or 2306 .....	12 hrs.
B. HIS 2365 or 2366.....	3 hrs.
C. Social Science .....	9 hrs.
1. SOC 1305 and one course from SOC 1306, SOC 4315, or TED 3380	
2. PSY 1305	
D. PSC 2302 .....	3 hrs.
E. REL 1310 and 1350 .....	6 hrs.
F. Mathematics.....	6-7 hrs.
1. 3-4 hrs. chosen from QBA 2305, PSY 2402, STA 1380, or SOC 3402	
2. 3 hrs. “1000+” Math Elective (MTH 1301 excluded)	
G. CSI 3303 or MIS 1305.....	3 hrs.
H. CSS 1301 or 1302.....	3 hrs.
I. Laboratory Science .....	8 hrs.
1. HP 1420 Human Anatomy	
2. BIO 1402 Microbiology	
J. Fine Arts (art, drama, music) .....	3 hrs.
K. Foreign Language .....	3-8 hrs.
<i>Note: Second semester proficiency (at least 1302, 1402, or 1412) must be achieved.</i>	
L. Activity HP .....	4 hrs.
1. HED 1145 Health and Human Behavior	
2. HP 1134 Fitness Theory and Practice	
3. Two Activity Electives	
M. Chapel—two semesters.....	no credit

## **III. Major .....45 hrs.**

A. HED Required Courses	
HED 2330, 2331, 3331, 3350, 3351, 4331, 4333, 4355 .....	24 hrs.
B. HED Restricted Electives .....	12 hrs.
Chosen from HED 2313, 3313, 3314, 3317, 3320, 4321, 4327, 4340, 4341	
C. HED Internship (Allowed only after completing HED required courses)	
HED 4V80 .....	6 hrs.

## **IV. Supporting Areas, as needed to complete 124 hours .....10 hrs.**

A. Choose one course from EDP 3324, RLS 4396, or HP 3368	
B. Other choices: CCS 1100, EDP 4341, MGT 3305, MKT 3340, PSY 4312, SWO 3313 or 3382, SOC 3322 or 4381	

- V. Restricted Electives .....6 hrs.**  
 Choose from ANT 3305; BUS 3303; EDA 4364; ENV 2376 4310; MGT 4350; MKT 3305;  
 PSC 3322 or 4330; PSY 3310 or 4355; UST 2300

*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.*

### **Requirements for a Minor in Community Health**

Nineteen semester hours including the following:

- A. Required core Courses:
  - a. HED 1145, 2330, 2331, 3331, and 4331
- B. One Health Measurement course:
  - a. HED 3351 or 4333
- C. One health topic elective:
  - a. HED 2313, 3313, 3314, 3317, 3320, 3350, 4321, 4340, 4341, or 4355.

## **EXERCISE PHYSIOLOGY**

**Dr. Deborah L. Johnston, Director**

- I. Degree Requirements. .... minimum 125 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 Studies.....61-62 hrs.**
  - A. ENG 1302, 1304 or 3300, and 2301, 2304 or 2306 ..... 9 hrs.
  - B. History..... 3 hrs.
  - C. PSY 1305 and Sociology 1305 ..... 6 hrs.
  - D. PSC 2302 ..... 3 hrs.
  - E. REL 1310 and 1350 ..... 6 hrs.
  - F. Mathematics 1304 or 1321..... 3 hrs.
  - G. CSI 3303 or MIS 1305..... 3 hrs.
  - H. CSS 1301 or 1302 ..... 3 hrs.
  - I. HP 1420 and HP 1421 ..... 8 hrs.
  - J. CHE 1300.....3 hrs.
  - K. PHY 1408.....4 hrs.
  - L. PHY 1409.....4 hrs.
  - M. Fine Arts—art, music, or theatre arts .....2-3 hrs.
  - N. Human Performance, including HED 1145 .....4 semesters
  - O. Chapel—two semesters..... no credit
- III. Major .....64 hrs.**
  - A. Human Performance Required Courses..... 40 hrs.
    1. HP 2304, 2306, 2307, 2420, 3320, 3330, 4350, 4352, 4354, 4368, 4369,  
 HP 4371, 4375
  - B. Health Education Required Courses ..... 6 hrs.
    1. HED 2331, HED 3313
  - C. Professional Field Experiences ..... 6 hrs.
    1. HED 4V80 or HP 4V79

*Note: Must have current First Aid and CPR certification to enroll in these courses.*
  - D. HHPR Required Electives.....9 hrs.
    1. Select any three credit hour course from the approved list of classes.
    2. “1000” level one hour activity courses may not be taken to meet this requirement.
- IV. Restricted Electives .....3 hrs.**
  - A. HP 4393 or BUS 3303

## GENERAL STUDIES IN HHPR

### 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 Studies ..... 56-57 hrs.

- A. ENG 1302, 1304, 2301, and one course from 2304 or 2306 ..... 12 hrs.  
 B. History..... 6 hrs.  
 C. PSY 1305 and Sociology ..... 6 hrs.  
 D. PSC 2302 ..... 3 hrs.  
 E. REL 1310 and 1350 ..... 6 hrs.  
 F. Mathematics..... 3 hrs.  
 G. CSI 3303 or MIS 1305 ..... 3 hrs.  
 H. CSS 1301 or 1302 ..... 3 hrs.  
 I. HP 1420 and four semester hours laboratory science course..... 8 hrs.  
 J. Fine Arts—art, music, or theatre arts ..... 2-3 hrs.  
 K. Human Performance, including HED 1145 and HP 1134.....4 semesters  
 L. Chapel—two semesters..... no credit

#### III. Major ..... 36 hrs.

- A. HHPR (nine sem. hrs. from each of the following three groups) ..... 27 hrs.  
     1. HED 2313, 3313, 3314, 3317, 3320, 4321, 4327, 4331 or other HED 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 Electives ..... 31-32 hrs.

To be taken from any academic unit in the University, excluding HHPR.

## HEALTH SCIENCE STUDIES

Dr. Barbalee Symm, Director

Four options are available with this major. Requirements are given below for the Pre-Physical Therapy, Pre-Medical/Dental, Secondary General Science Education, and Health Professions options:

#### Degree Requirements ..... 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. No course may be taken pass-fail.

To declare the Health Science Studies (HSS) major, students must meet the following requirements. Regardless of hours, students must be eligible to register for both BIO 1305 and 1105, and CHE 1301 and 1101 or have completed these courses. In addition, students must meet the following GPA requirements to enter the program based on the number of hours completed at Baylor:

Hours completed at Baylor:

- |       |  |
|-------|--|
| 0-12  | Must be eligible to register for BIO 1305, 1105 and CHE 1301, 1101 or have completed these courses.  |
| 12-45 | Must have cumulative GPA of 3.3 in all Baylor classes and be eligible to register for, or have completed BIO 1305, 1105 and CHE 1301, 1101 |

- 46-finish Must have a cumulative GPA of 3.2 in all Baylor classes and be eligible to register for, or have completed BIO 1305, 1105 and CHE 1301, 1101

Students not meeting criteria for admission to the major are encouraged to enroll in the Pre-Education program which will allow them to be advised, counseled, and tracked by the School of Education Office of Academic Advisement. From within this program, students who demonstrate ability to meet GPA and course readiness requirements may transition into the Health Science Studies major. Students are expected to matriculate into the Health Science Studies major within completion of 30 hours at Baylor. Students not meeting the criteria for admission to the Health Science Studies major within that time frame must select another major.

To remain in either the HSS Pre-medical/Pre-dental or Pre-Physical Therapy emphasis areas, students must maintain a 3.2 or better cumulative GPA. Students pursuing the HSS major with a Science Education focus or a Health Professions focus must maintain a 2.6 or better cumulative GPA.

Students in the HSS Pre-Medical/Dental or Pre-Physical Therapy option whose GPA falls below 3.2 in any semester will be placed on probation for one semester if the GPA is 3.0 or better. After one semester on probation, or if the GPA is 2.6-2.9 during any semester, the student may select the General Science Education or Health Professions track, or select a different major. Students whose GPA falls below 2.6 must select another major.

Students may appeal the GPA requirement only in unusual circumstances. Appeals must be made in writing to the director of the HSS program within 15 days of the end of any semester when the cumulative GPA falls below the requirement.

### PRE-PHYSICAL THERAPY OPTION

#### I. Basic Studies ..... 79-81 hrs.

A. ENG 1302, 1304 or 3300, 2301 and one course from 2304 or 2306 ..... 12 hrs.

B. History—two semesters ..... 6 hrs.

C. SOC 1305 and PSY 1305 ..... 6 hrs.

D. PSC 2302 ..... 3 hrs.

Students applying to Texas schools must also take PSC 1306

E. REL 1310 and 1350 ..... 6 hrs.

F. MTH 1304, 1321, or 1322. One course chosen from STA 1380, 2381, 3381; PSY 2402; or SOC 3402 ..... 6 hrs.

One course chosen from STA 1380, STA 2381, STA 3381, PSY 2402, or SOC 3402

G. CSI 3303 (recommended), 1430 or MIS 1305 ..... 3-4 hrs.

H. CSS 1301 or 1302 ..... 3 hrs.

I. Complete the following laboratory sciences: ..... 28 hrs.

1. BIO 1305/1105 and 1306/1106

2. CHE 1301/1101 and 1302/1102 or 1301, 1302, 1341/1146

3. PHY 1408 and 1409

4. HP 1420

J. Fine Arts—art, music, or theatre arts ..... 2-3 hrs.

K. Human Performance ..... 3 hrs.

1. HED 1145

2. Two one-hour HP courses

L. Chapel—two semesters ..... no credit

#### II. Health, Human Performance Courses ..... 25-30 hrs.

*Note: Required prerequisites should be considered in selection of some courses on this plan.*

A. HHPR Required Courses ..... 12 hrs.

1. HP 2304 or HP 2341 ..... 3 hrs.

2. HP 2306, HED 3313, 3320 ..... 9 hrs.

B. HHPR Restricted Electives ..... 10-12 hrs.

Choose from:

HED 3351, 4321, 4327, 3311/HP 3311

HP 2102, 2420, 3368, 4368

C. Professional Field Experiences, HP 4V79 ..... 3-6 hrs.

*Note: Student must have current First Aid and CPR certification to enroll in this course.*

#### III. Supporting Area ..... 20 hrs.

A. Required Courses ..... 14 hrs.

BIO 3429 and 3422

MGT 3305 and PSY 3321

B. Electives – must be “3000” - “4000” level ..... 6 hrs.

Strongly recommended:

CLA 3381

PSY 3341

*Note: Additional “3000” - “4000” level HHPR courses may be taken.*

*Note: No transfer credit from physical therapy schools will be applied toward a baccalaureate degree.*

## PRE-MEDICAL/PRE-DENTAL OPTION

### I. Basic Studies ..... 69-71 hrs.

A. ENG 1302, 1304 or 3300, and one course from 2301, 2304 or 2306..... 9 hrs.

B. History..... 3 hrs.

C. PSY 1305 ..... 3 hrs.

D. PSC 2302 ..... 3 hrs.

E. REL 1310 and 1350 ..... 6 hrs.

F. MTH 1321 and one course from MTH 1322, STA 1380, 2381 or 3381,  
PSY 2402, or SOC 3402 ..... 6 hrs.

G. CSI 1430, 3303 or MIS 1305 ..... 3-4 hrs.

H. CSS 1301 or 1302 ..... 3 hrs.

I. Complete the following laboratory sciences..... 28 hrs.

1. BIO 1305/1105 and 1306/1106

2. CHE 1301/1101 and 1302/1102

3. PHY 1408 and 1409

4. HP 1420

J. Fine Arts–art, music, or theatre arts..... 2-3 hrs.

K. Human Performance ..... 3. hrs.

1. HED 1145

2. Two one-hour HP courses

L. Chapel–two semesters..... no credit

### II. Health, Human Performance, Recreation Courses ..... 31-36 hrs.

*Note: Required prerequisites should be considered in selection of some courses on this plan.*

A. HHPR Required Courses ..... 19-20 hrs.

HP 2306, 2420, HED 3313, 4327, 4355 and 3350 or BIO 3422

B. Professional Development Elective..... 3-4 hrs.

Choose from CHE 4341

BIO 3429, 4301, 4320, 4401, 4426

MH 4325, 4350, 4395

HP 3330, 3368

RLS 4396

C. HHPR Restricted Electives ..... 6 hrs.

Choose from HP 2341, 4368, 3311/HED 3311

HED 3351, 4321, 4327

BIO 4300, ECO 4350, MKT 3305, MGT 4310 and SOC 3305, 4353

D. Professional Field Experience, HP 4V79..... 3-6 hrs.

*Note: Student must have current First Aid and CPR certification to enroll in these courses.*

### III. Supporting Area ..... 24-25 hrs.

A. Required..... 18 hrs.

BIO 2106, 2306, CHE 3331, 3332, 3238, MGT 3305, PSY 3321

B. Electives – must be “3000” - “4000” level ..... 6-7 hrs.

Recommended electives include the following:

CLA 3381; and PSY 3341 or 4312

An additional “3000” - “4000” level HHPR course may be taken to satisfy part of this requirement.

*Note: No transfer credit from medical schools will be applied toward a baccalaureate degree.*



**SECONDARY GENERAL SCIENCE EDUCATION OPTION**

- I. Basic Studies ..... 44-46 hrs.**
- A. ENG 1302, 1304, or 3300, one course from 2301, 2304 or 2306..... 9 hrs.
  - B. HIS (any)..... 3 hrs.
  - C. SOC 1305 or PSY 1305 ..... 3 hrs.
  - D. PSC 2303 ..... 3 hrs.
  - E. REL 1310 and 1350 ..... 6 hrs.
  - F. MTH 1304, 1321, or 1322. And one course chosen from STA 1380, 2381, 3381;  
PSY 2402; or SOC 3402 ..... 6 hrs.
  - G. CSI 1430, 3303 or MIS 1305..... 3-4 hrs.
  - H. CSS 1301 or 1302..... 3 hrs.
  - I. TED 2380, 2381 or 3380 ..... 3 hrs.
  - J. Fine Arts—art, music, or theatre arts ..... 2-3 hrs.
  - K. Human Performance ..... 3 hrs.
    - 1. HED 1145
    - 2. Two one-hour HP courses
  - L. Chapel-two semesters ..... no credit
- II. Complete the following laboratory sciences: .....28 hrs.**
- 1. BIO 1305/1105 and 1306/1106
  - 2. CHE 1301/1101 and 1302/1102
  - 3. PHY 1408 and 1409
  - 4. HP 1420
- III. Health, Human Performance Courses.....7 hrs.**
- Note: Required prerequisites should be considered in selection of some courses on this plan.*
- 1. HP 2420 ..... 4 hrs.
  - 2. HP 2306 ..... 3 hrs.
- IV. Professional Studies.....31 hrs.**
- Teaching Field Experiences
  - 1. TED 1112, 2340..... 4 hrs.
  - 2. TED 3340, 3387, 3341, 3388 ..... 12 hrs.
  - 3. TED 4640, 4641, 4325 ..... 15 hrs.
  - Internship placement to be determined by Office of Professional Practice
- V. Academic Major .....21 hrs.**
- A. Required Courses Content..... 15 hrs.
    - 1. BIO 2306, 4333 and 4001 ..... 6 hrs.
    - 2. Upper Level CHE, BIO or PHY..... 6 hrs.
    - 3. Upper Level CHE..... 3 hrs.
  - B. HED Restricted Electives ..... 6 hrs.
    - Choose from HED 2313, 3313, 3317, 3320, 3351, 4321, 4331, or 4327

**HEALTH PROFESSIONS OPTION**

- I. Basic Studies ..... 70-72 hrs.**
- A. ENG 1302, 1304 or 3300, and one course from 2301, 2304 or 2306..... 9 hrs.
  - B. History..... 3 hrs.
  - C. PSY 1305 ..... 3 hrs.
  - D. PSC 2302 ..... 3 hrs.
  - E. REL 1310 and 1350 ..... 6 hrs.
  - F. MTH 1304 or 1321 ..... 6 hrs.
    - And one course from STA 1380, 2381, or 3381
  - G. CSI 1430, 3303 or MIS 1305..... 3-4 hrs.
  - H. CSS 1301 or 1302..... 3 hrs.
  - I. Complete the following laboratory sciences..... 28 hrs.
    - 1. BIO 1305/1105 and 1306/1106
    - 2. CHE 1301/1101 and 1302/1102
    - 3. PHY 1408 and 1409
    - 4. HP 1420

- J. Fine Arts—art, music, or theatre arts ..... 2-3 hrs.
- K. Human Performance ..... 3. hrs.
1. HED 1145
2. Two one-hour HP courses
- L. Chapel—two semesters..... no credit
- II. Health, Human Performance, Recreation Courses ..... 31-36 hrs.**
- Note: Required prerequisites should be considered in selection of some courses on this plan.*
- A. HHPR Required Courses ..... 16-17 hrs.
- HP 2306, 2420, HED 4327, 4355
- and one course from HED 3350 and BIO 3422
- B. HHPR Restricted Electives ..... 9 hrs.
- Choose from:
- HP 3330, 3368, 4350, 3311
- HED 3311, 3313, 3351, 4321, 4340
- RLS 4396
- C. Professional Field Experience, HP 4V79 ..... 3 hrs.
- Note: Student must have current First Aid and CPR certification to enroll in this course.*
- III. Supporting Area ..... 27-30 hrs.**
- A. Required ..... 18 hrs.
- Choose 8-9 hours of upper level BIO or CHEM
- B. Minor..... 19-21 hrs.
- Choose Business Administration or Community Health
- Note: No transfer credit from medical schools will be applied toward a baccalaureate degree.*

### PHYSICAL EDUCATION (ALL-LEVEL)

Dr. Margaret Woody, Director

#### Human Performance – Secondary School Teaching Field

- I. Minimum Requirement.....39 hrs.**
- II. Detailed Requirements**
- A. See the section of this catalog dealing with requirements for teacher certification.
- B. HP 1144, 3136, 2102, and HED 1145 are required as activity HP courses.

### RECREATION AND LEISURE SERVICES

Dr. Dale Connally, Director

- I. Degree Requirements ..... 126 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. No course may be taken pass-fail.
- II. Basic Requirements for Recreation and Leisure Services Major ..... 56-57 hrs.**
- A. ENG 1302, 1304, 2301, and one course from 2304 or 2306 ..... 12 hrs.
- B. History: two courses from 1305, 1307, 2365, 2366..... 6 hrs.
- C. SOC 1305 or 1306 ..... 3 hrs.
- D. PSC 2302 ..... 3 hrs.
- E. REL 1310 and 1350 ..... 6 hrs.
- F. MTH 1301 or 1315 ..... 3 hrs.
- G. CSI 3303 or MIS 1305 ..... 3 hrs.
- H. CSS 1301 or 1302 ..... 3 hrs.
- I. Laboratory Science ..... 8 hrs.
- J. THEA 1206, ART 1300, or MUS 1220..... 2-3 hrs.
- K. FCS 3356 or PSY 3341 ..... 3 hrs.
- L. HED 1145 required and three activity H.P. classes..... 4 hrs.
- Note: HP 1178 recommended for students planning to take WSI (HP 1233), and HP 1159 is required for students planning to take RLS 1235.*
- 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 Courses** ..... **4 hrs.**  
 A. RLS/HP 1202 (Required)  
 B. Select from RLS/HP 1233, RLS 1235 (spring only), or RLS 2201
- VI. Restricted electives for each track** ..... **12-13 hrs.**  
 Choose one track:  
 A. Church Recreation Track  
     REL 2480, RLS 4395, RLS 3301 or 2301, REL 4396, 4398, or CRED 7350  
 B. Outdoor Recreation Track  
     RLS 2301, 3301, 4301, HP 3346
- VII. Other Electives** ..... **12 hrs.**  
 No HP Activity Classes

Choose from the following areas: accounting, adaptive human performance, art, biology, child and family studies, earth science, environmental studies, geology, health, human performance, recreation and leisure services, management, marketing, psychology, religion, social work, sociology, special education; other areas approved by advisor.

### INTRAUNIVERSITY DANCE MINOR DEGREE PLAN

- I. Degree Requirements**  
 Twenty credit hours including the following:
- A. HP 1420 .....4 hrs.  
 B. MUS 1200 .....2 hrs.  
 or  
 MUS 1220\*  
 THEA 2299 .....2 hrs.  
 or  
 THEA 4298  
 HP 1148 .....1 hr. Instructor Approval Required  
 HP 1119 .....1 hr. Instructor Approval Required  
 HP 3302 .....3hrs.  
     or HP 1148 and HP 1118 or 1119  
 THEA 4297 .....2 hrs.  
     or HP 1148 and HP 1118 or 1119  
 HP 4V79 .....3/4 hrs.  
     or HP 3302
- Two Elective Hours Selected From  
 HP 1107 .....2 hrs.  
 HP 1118 .....2 hrs. Instructor Approval Required  
 HP 1144 .....2 hrs.  
 HP 1130 .....2 hrs.

\* Students may register for Music 1220 if they have a score of 75% or above on the School of Music Theory Placement Exam - Part I (written portion)

### NONMAJOR HUMAN PERFORMANCE John Faribault, Coordinator

#### General Policy

The purpose of the Division of Human Performance 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 all students.

The program of human performance for nonmajors is an elective program and consists of either single-sport or multiple-sport combinations for the semester. Most courses carry a credit value of one

semester hour. Some two-hour courses may be offered; however, a two-hour course will only fulfill one semester of the University requirement. A maximum of four activity courses may be counted toward a degree.

A student may not repeat a numbered course, except HP 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 human performance activity courses exist. It is the responsibility of each student to ascertain from his or her Degree Plan 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.

**Aerospace Studies:** Leadership Labs garner one hour per semester for a maximum of four semesters credit.

**Band:** One hour of credit will be granted each fall semester for those participating in marching band for a maximum of two semesters credit.

**Athletes:** All students participating in intercollegiate athletics may receive two semesters credit by enrolling and completing HP 1128 and HP 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 to the Program Director to be granted this exemption.

**Adaptive Human Performance:** No student is excused from human performance because of physical limitations. Prior to the beginning of each semester, students with disabilities must present to the Coordinator for HP 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 human performance activity classes that are part of the course offerings. 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 human performance activity courses on a graded basis. Elementary education majors must register for HED 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:

HP 1104	Adaptive HP (Departmental approval required)
HP 1106	Beginning Aerobics
HP 1107	Intermediate Aerobics
HP 1109	Swimmercize Aerobics
HP 1111	Aerobic Running
HP 1112	Backpacking and Camping
HP 1114	Beginning Badminton
HP 1115	Intermediate Badminton
HP 1117	Beginning Ballet
HP 1118	Intermediate Ballet
HP 1119	Advanced Ballet (Departmental approval required)
HP 1121	Beginning Bicycling
HP 1122	Intermediate Bicycling
HP 1124	Beginning Bowling
HP 1125	Intermediate Bowling
HP 1128	Varsity Sports Conditioning I (Departmental approval required)
HP 1129	Varsity Sports Conditioning II (Departmental approval required)

HP 1130	Social Dance
HP 1134	Fitness Theory and Practice
HP 1138	Beginning Golf
HP 1139	Intermediate Golf (Departmental approval required)
HP 1140	Advanced Golf (Departmental approval required)
HP 1147	Beginning Jazz Dance
HP 1148	Intermediate Jazz Dance
HP 1151	Beginning Karate
HP 1152	Intermediate Karate
HP 1153	Advanced Karate (Departmental approval required)
HP 1156	Beginning Racquetball
HP 1157	Intermediate Racquetball
HP 1159	Sailing and Canoeing
HP 1163	Beginning Self Defense
HP 1168	Soccer
HP 1169	Intermediate Self Defense
HP 1170	Advanced Self Defense
HP 1171	Softball
HP 1175	Beginning Swimming
HP 1176	Intermediate Swimming
HP 1177	Advanced Swimming
HP 1178	Lifeguard Training (Departmental approval required)
HP 1179	Beginning Tai Chi
HP 1181	Beginning Tennis
HP 1182	Intermediate Tennis
HP 1183	Advanced Tennis
HP 1189	Volleyball
HP 1192	Weight Control
HP 1194	Beginning Weight Training
HP 1195	Intermediate Weight Training
HP 1197	Beginning Relaxation/Fitness
HP 1198	Intermediate Relaxation/Fitness (Departmental approval required)
HP 1199	Advanced Relaxation/Fitness (Departmental approval required)

The following course may be substituted for any of the activities listed on the previous page.

***CHECK PREREQUISITES***

HED 1145 Health and Human Behavior

***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 may NOT be applied in any way to this University requirement.***

**GRADUATE STUDIES****Dr. Glenn Miller, Academic Director****Dr. Jeff Petersen, Admissions Director**

Curriculum requirements for graduation are:

1. The completion of a six semester hour core:  
HED/RLS/HP 5379 Research Design  
STAT 5300
2. The completion of an area of specialization in one of the following:  
Athletic Training  
Exercise Physiology  
Health Education  
Sport Pedagogy/Coaching  
Sport Management
3. The completion of a culminating experience consisting of one of the following:  
Thesis  
Research Manuscript  
Internship/Practicum
4. All students are required to take a comprehensive examination and an oral examination (thesis defense or presentation of culminating experience) at the completion of their graduate course work.

For a complete listing of these requirements and other information regarding graduate study, see the catalog of the Graduate School. Please visit our department's website at [www.baylor.edu/HHPR](http://www.baylor.edu/HHPR) for more information about all of our graduate programs.

**ADVISEMENT INFORMATION  
FOR THE SCHOOL OF EDUCATION**

Advisement in the School of Education is coordinated in the Office of Student and Information Services, located in Draper 100. All students receiving a Bachelor of Science in Education Degree are required to be advised in order to register. Instructions and information concerning issues in advising are sent by e-mail to all who have filed application for one of the degree programs offered by the School of Education. For information about programs or advising procedures, please contact:

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

## MISSION

The mission of the School of Engineering and Computer Science is to provide a superior education through instruction, scholarship, and service that prepares graduates for professional practice and responsible leadership with a Christian worldview.

This mission of the School of Engineering and Computer Science results in the following goals:

- To foster an educational environment that promotes student success;
- To support faculty and staff commitment for achievement in teaching, scholarly pursuits, professional development and service contributions;
- To promote Christian values and community; and
- To be nationally recognized for quality engineering and computer science programs.

## OFFICE OF THE DEAN

Dennis L. O'Neal, Ph.D., Dean  
 Cynthia C. Fry, M.S., Assistant Dean  
 Kenneth Van Treuren, Ph.D., Associate Dean of Research & Faculty Development  
 Cheryl A. Tucker, M.S.Ed., Assistant to the Dean  
 Leigh Ann Marshall, B.B.A., Director of Advancement  
 Adam P. Ecklund, M.Ed., Director of ECS Student Initiatives  
 Ida Jamshidi, M.S.Ed., ECS Academic Advisor  
 Emily F. Sandvall, M.Ed., Assistant Director - Student Initiatives  
 Mark McCreary, CIA, Financial Information Manager

## DEPARTMENT OF COMPUTER SCIENCE

Gregory D. Speegle, Ph.D. Chair  
 Gregory J. Hamerly, Ph.D., Graduate  
   Program Director  
 Matthew H. Aars, M.S.  
 Michael A. Aars, M.S.  
 Erich J. Baker, Ph.D.  
 William A. Booth, M.S.  
 Young-Rae Cho, Ph.D.  
 Michael J. Donahoo, Ph.D.  
 Cynthia C. Fry, M.S.  
 Paul C. Grabow, Ph.D.  
 Peter M. Maurer, Ph.D.  
 Fredrik Niemela, Ph.D.  
 William B. Poucher, Ph.D.  
 Eunjee Song, Ph.D.  
 George Gonzales, Computer Systems Assistant  
 Sharon L. Humphrey, Office Manager  
 Patrick S. Hynan, Computer Systems, Manager  
 Michelle L. Aars, Administrative Associate

## DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Kwang Y. Lee, Ph.D., Chair  
 Steven R. Eisenbarth, Ph.D., Associate Chair  
 Michael W. Thompson, Ph.D., Graduate  
   Program Director  
 Charles P. Baylis, Ph.D.  
 Liang Dong, Ph.D.  
 Russell W. Duren, Ph.D.  
 James B. Farison, Ph.D., Professor Emeritus

Ian A. Gravagne, Ph.D.  
 Jonathan Hu, Ph.D.  
 B. Randall Jean, Ph.D.  
 Yang Li, Ph.D.  
 Robert J. Marks II, Ph.D.  
 John E. Miller, M.S.E.C.E.  
 J. Brian Thomas, M.E.E.  
 Linda Kerr, Office Manager  
 Daniel H. Hromadka, Electrical  
   Systems Manager

## DEPARTMENT OF MECHANICAL ENGINEERING

William M. Jordan, Ph.D., Chair  
 Richard W. Campbell, M.S., Assistant Chair  
 Carolyn T. Skurla, Ph.D., Graduate Program  
   Director  
 William C. Anderson, Ph.D.  
 Robert T. Doty, Ph.D.  
 Brian A. Garner, Ph.D.  
 David A. Jack, Ph.D.  
 Benjamin S. Kelley, Ph.D.  
 Deify Law, Ph.D.  
 Patrick A. Lea, M.S.  
 Stephen T. McClain, Ph.D.  
 Byron P. Newberry, Ph.D.  
 Kenneth W. VanTreuren, Ph.D.  
 Lesley M. Wright, Ph.D.  
 James (Ashley) Orr, Machinist  
 Minnie R. Simcik, Office Manager

## 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 and 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 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.

## DEGREE PROGRAMS

1. Bachelor of Science in Computer Science (B.S.C.S.)
2. Bachelor of Arts major in Computer Science (B.A.)
3. Bachelor of Science in Informatics (B.S.I.)
4. Bachelor of Science in Computing with a major in Computer Science Fellows (C.S.F.)
5. Master of Science in Computer Science (M.S.C.S.)
6. Bachelor of Science in Engineering (B.S.E.)
7. Bachelor of Science in Electrical and Computer Engineering (B.S.E.C.E.)
8. Bachelor of Science in Mechanical Engineering (B.S.M.E.)
9. Master of Science in Biomedical Engineering (M.S.B.M.E.)
10. Master of Science in Electrical and Computer Engineering (M.S.E.C.E.)
11. Master of Science in Mechanical Engineering (M.S.M.E.)
12. Master of Engineering (M.E.)
13. Doctor of Philosophy (Ph.D., E.C.E.)

## FACILITIES

The School of Engineering and Computer Science is housed in the Rogers Engineering and Computer Science Building provided principally through the generous gift of Robert M. and Louise Rogers. It provides modern facilities designed specifically for engineering and computer science. A total of 70,000 square feet of classrooms, offices, and laboratories house the School of Engineering and Computer Science. This building facilitates the education of engineering and computer science students within the overall Christian environment of Baylor University.

Students who participate in the Engineering and Computer Science Living-Learning Center (ECS-LLC) live together in a part of Baylor's North Village. These students are involved in specific programs designed to increase interaction both with other ECS students and with faculty members. They take several classes together, form study groups, and attend weekly events with various faculty members. One faculty member lives within the LLC, and one full-time staff person has an office in the Community Center and directs all programming for students.

Engineering and computer science students have access to a variety of computer systems. All are connected to the campus network and the Internet (except for some intentionally stand-alone systems). All students can store their files on a fileserver (or create Web pages on the Web server) that is accessible from most computers on campus. Each classroom contains a computer and a projection system to display computer output. Students and faculty regularly use this equipment for classroom presentations.

### **JESSE H. JONES LIBRARY**

Computer science and engineering information resources are located on the second floor of the Jesse H. Jones Library. Eleven bays of motorized compact shelving house the print science/engineering books and journal collection of approximately 150,000 monographs and over 3,000 journal titles. Key research tools such as IEEE Xplore, Engineering Village 2, and the ACM Digital Library, as well as numerous journals, are all available online via the campus network for Baylor faculty, staff, and students. The library holdings and services greatly enhance and support the programs of the School of Engineering and Computer Science.

### **COURSE REPETITION**

A student whose major is in the School of Engineering and Computer Science will not be permitted to repeat any course more than once for credit unless permission is granted by the Dean of the School of Engineering and Computer Science. A student whose major is not in the School of Engineering and Computer Science will not be permitted to repeat any course in the School of Engineering and Computer Science more than once for credit unless permission is granted by the Dean of the School of Engineering and Computer Science.

### **CLASS ATTENDANCE POLICY**

Within Baylor's School of Engineering and Computer Science class attendance is expected at all regularly scheduled course sessions. Within the course syllabus, faculty members identify class attendance requirements at the 75% level or above and penalties for excessive absences or punctuality that supports the University's Class Attendance Policy and that are endorsed by the department chair and dean. 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.

## DEPARTMENT OF COMPUTER SCIENCE

### MISSION

The mission of the Department of Computer Science is to educate students, within a Christian environment, in areas of computer science and to advance the field for the benefit of the discipline and for the good of society.

### 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 a major in bioinformatics, and a Master of Science in Computer Science.

**The Bachelor of Science in Computer Science (B.S.C.S.)** degree is designed for students who wish 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, 111 Market Place, Suite 1050, Baltimore, MD, 21202, telephone (410) 347-7700. Students select one of three areas of concentration in order to meet their career goals. The concentrations are computer science, software engineering, and gaming. All three concentrations include a common set of core topics in computing, preparing graduates to pursue careers in research, development, and other computing and computing-related fields. Advance degrees in computer science are 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 Game Development and Simulated Environments Concentration** offers a video game development specialization within the B.S.C.S. This specialization is designed to provide an understanding of the development and application of interactive digital media technologies. The program features our computer science core, with a three-course game development sequence, and a four-course media production sequence taught in the Film and Digital Media department.

**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 and Sciences section of this catalog.

**The Bachelor of Science in Informatics (B.S.I.)** degree with a major in bioinformatics 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 Bachelor of Science in Computing with a Major in Computer Science Fellows (CSF)** The Computer Science Fellows Program is designed for intellectually gifted, 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.

**The Master of Science in Computer Science (M.S.C.S.)** degree is designed to increase the student's knowledge in the areas of database, software engineering, real-time systems, parallel processing, networks, and user interfaces. The M.S. program has two options: a thesis option and a project option.

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 size 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.

## LABORATORY SUPPORT

The department operates five computer labs, a collection of LINUX servers, and a central file server. The central file server allows students in ECS to keep their work between semesters and is automatically available when a student uses an ECS workstation. The computer labs vary in size from 20 workstations to 32 workstations for the larger labs and down to 10 and 6 for the smaller multipurpose labs. A majority of the systems are running Windows 7 with our game development lab running both Windows 7 and Macintosh OSX. Access to the labs is provided via the student's Baylor ID card with several labs restricted upper upper-division students or for use by specific classes. In addition, there are twenty-seven dedicated workstations for use by the Computer Science graduate students for research and class needs. The school also provides four network accessible general-purpose Linux servers available to the Computer Science Students and have agreements in place to use the university's 1024 node High Performance Computer Cluster (HPCC) as needed for class and research needs.

## HONOR SOCIETY

**Eta Kappa Nu National ECE Honor Society, Kappa Tau Chapter.** 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.

**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 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.

## PROFESSIONAL ORGANIZATIONS

**Association for Bioinformatics and Biotechnology** 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 bi-monthly meetings, attendance of symposia, and other social activities.

**The Baylor Student Chapter of the Association for Computing Machinery (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.

**Chi Sigma** is a professional computer science fraternity that promotes effective leadership skills in the field of computer science. Chi Sigma sponsors service and professional projects for the students.

Through stimulating programs and social gatherings, members gain practical experience to enhance their education at Baylor. Membership is open to men and women committed to service in the field of computer science.

## AWARDS

**The Patrick J. Keane Outstanding Computer Science Senior 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** is presented annually to the graduating senior in computer science who ranks highest in the class.

**The Outstanding Service 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 Bioinformatics Scholar Award** is presented annually to the graduating senior in bioinformatics who ranks highest in the class.

**The Outstanding Graduate Assistant 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** 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.

## SCHOLARSHIPS AND FINANCIAL INFORMATION

A number of scholarships are available to students in the School of Engineering and Computer Science. Applications for the following academic year may be obtained from the Department of Computer Science office and must be submitted prior to March 1.

- Mark and Carol Measures ACM Scholarship
- Dr. and Mrs. James Nolen Scholarship in Computer Science
- The ACM Scholarship in Computer Science
- Vic and Helen Estes Computer Science Endowed Scholarship
- John and Ann Iller Computer Science Endowed Scholarship
- William Eldon Mearse Family Endowed Scholarship
- School of Engineering and Computer Science Board of Advocates Endowed Scholarship
- Engineering/Computer Science Scholarship
- Trent and Sue-Lynn Voigt Scholarship
- Willis Family Scholarship

In addition to the scholarships listed above, computer science students are eligible to apply for unrestricted scholarships available at Baylor University. Applications for these scholarships should be submitted directly to the Student Financial Aid Office.

## SUMMER INTERN PROGRAM

The summer or semester Internship program is an elective program for combining undergraduate student's engineering education with appropriate industrial experience. Students may receive three semester hours of credit (as BINF 3V96 or CSI 3V95) toward graduation.

## **BACHELOR OF SCIENCE IN COMPUTER SCIENCE (B.S.C.S.)**

The Bachelor of Science in Computer Science (B.S.C.S.) degree program is accredited by the Computing Accreditation Commission of the Accreditation Board for Engineering and Technology.

### **B.S.C.S. Program Educational Objectives**

Are broad statements that describe the career and professional accomplishments that the program is preparing graduates to achieve (5 years after graduation).

1. To prepare students with a broad-based technical education in computer science.
2. To stimulate students to think clearly, be creative, and communicate effectively.
3. To instill a sense of professional ethics and civic responsibility.
4. To prepare students for employment in organizations that will utilize their computing skills or to continue their education.

### **B.S.C.S. Expected Graduate Outcomes**

Are narrower statements that describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire in their matriculation through the program.

- (a) An ability to apply knowledge of computing and mathematics appropriate to the discipline;
- (b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution;
- (c) An ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs;
- (d) An ability to function effectively on teams to accomplish a common goal;
- (e) An understanding of professional, ethical, legal, security, and social issues and responsibilities;
- (f) An ability to communicate effectively with a range of audiences;
- (g) An ability to analyze the local and global impact of computing on individuals, organizations and society;
- (h) Recognition of the need for, and an ability to engage in continuing professional development;
- (i) An ability to use current techniques, skills, and tools necessary for computing practice.
- (j) An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
- (k) An ability to apply design and development principles in the construction of software systems of varying complexity.

## B.S.C.S. DEGREE REQUIREMENTS

Minimum 124 semester hours including the following:

- I. Humanities and Social Science ..... 33-46 sem. hrs.
  - A. ENG 1302 and 3300 ..... 6 sem. hrs.
  - B. One from each group. .... 9 sem. hrs.
    1. GTX 2301, 2302, 3343, 4341
    2. ENG 2301, 2304, 2306
    3. PSC 2302 or an additional GTX course
  - C. REL 1310 and 1350. .... 6 sem. hrs.
  - D. Foreign Language ..... 3-8 sem.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).
  - E. History and/or social science ..... 6 sem. hrs.
  - F. CSS 3308. .... 3 sem. hrs.
- II. Mathematics ..... 12 sem. hrs.
  - A. MTH 1321, 1322. .... 6 sem. hrs.
  - B. STA 3381. .... 3 sem. hrs.
  - C. One mathematics course from 2311 or 2321. .... 3 sem. hrs.
- III. Other Requirements. .... 2 sem. hrs.
  - A. Human Performance, two activity courses ..... 2 sem. hrs.
 

(Waived for students who have reached age 25 before graduation. A maximum of four activity courses may be counted on a degree program)
  - B. Chapel - two semesters. .... no credit
 

(Not required of students who have reached age 25 before matriculation)
- IV. Select one of the following three options:
  - Option A - Computer Science Major (Computer Science Concentration) .... 68-74 sem. hrs.
    1. CSI 1430, 1440, 2334, 2350, 3334, 3335, 3336, 3344, 3372, 3439, 3471, 4321, 4330, 4337, 43C9 ..... 49 sem. hrs.
    2. One of CSI 3101 or 4301 ..... 1-3 sem. hrs.
    3. CSI 3000 or 4000 level electives (see note). .... 6 sem. hrs.
    4. A grade of "C" or better in all but four hours of the computer science hours counted toward the major.
    5. Sciences ..... 12-16 sem. 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 1406.
        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.
  - Option B - Computer Science Major (Gaming Concentration). .... 82-86 sem. hrs.
    1. CSI 1430, 1440, 2334, 2350, 3334, 3335, 3336, 3344, 3372, 3439, 3471, 4321, 4330, 4337, 4341, 4342, 43C8 ..... 55 sem. hrs.
    2. One of CSI 3101 or 4301 ..... 1-3 sem. hrs.
    3. FDM 1304, 3361, 4313, 4364 ..... 12 sem. hrs.
    4. A grade of "C" or better in all but four hours of the computer science hours counted toward the major.
    5. Sciences ..... 14-16 sem. 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 and 1302
        3. GEO 1405 and 1406
  - Option C - Computer Science Major (Software Engineering Concentration). . 76-80 sem. hrs.
    1. CSI 1430, 1440, 2334, 2350, 3334, 3335, 3336, 3344, 3372, 3373, 3374, 3439, 3471,



- 4321, 4330, 4337, 43C9. ....55 sem. hrs.
- 2. One of CSI 3101 or 4301. .... 1-3 sem hrs.
- 3. A grade of “C” or better in all but four hours of the computer science hours counted toward the major
- 4. ECO 3308 - Required social science elective .....3 sem. hrs.
- 5. Sciences ..... 14-16 sem. 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 and 1302
    - 3. GEO 1405 and 1406
- 6. Technical elective .....3 sem. hrs.
  - One of the following:
    - STA - with STA 3381 as a prerequisite
    - MTH - 2321, 3312, 3370, 3371, or any 4000-level MTH course not required for Software Engineering track.
    - EGR 4330, 4353, or 4438.
- 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.
- VII. Advanced work (“3000” or “4000” numbered courses) minimum .....36 sem. hrs.
- VIII. Maximum credit – No more than ten hours of applied music and/or ensemble.

*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; MIS 1305, 3150, 3301 and 3325. ENG 1304 will not substitute for ENG 3300.*

## 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 Science .....   | 30-38 sem. hrs. |
| A.   | ENG 1302 and 3300 .....   | 6 hrs.          |
| B.   | GTX 2301 and 2302 .....   | 6 hrs.          |
| C.   | REL 1310 and 1350 .....   | 6 hrs.          |
| D.   | Foreign Language (one language through 2310 or equivalent) .....  | 3-11 hrs.       |
| E.   | History and/or social science .....   | 6 hrs.          |
| F.   | ENG 2301 or PSC 2302 .....  | 3 hrs.          |
| II.  | Computer Science and Biology .....  | 53 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,<br>3422, 4100, 4107, 4108, 4307, 4308, 4341, 4401 .....                     | 4 hrs.          |
| D.   | A grade of "C" or better in all but four hours maximum of the<br>computer science hours counted toward the major.                       |                 |
| III. | Bioinformatics .....  | 12 hrs.         |
| A.   | BINF 3350, 3360, 4360 .....   | 9 hrs.          |
| B.   | BINF 3V96 (Summer Intern Experience) or CSI elective (see note) .....   | 3 hrs.          |
| IV.  | Mathematics and Chemistry .....   | 23 hrs.         |
| A.   | MTH 1321 .....  | 3 hrs.          |
| B.   | One course from STA 2381 or 3381 .....  | 3 hrs.          |
| C.   | CHE 1301-1101, 1302-1102, 3238, 3331, and 3332 .....  | 17 hrs.         |
| IV.  | Other Requirements .....  | 2 hrs.          |
| A.   | Human Performance, two activity courses minimum .....   | 2 hrs.          |
| B.   | Chapel-two semesters .....  | no credit       |
| V.   | The requirements for a minor, advanced work, and maximum credit 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; MIS 1305, 3150, 3301 and 3325. ENG 1304 will not substitute for ENG 3300.*

## COMPUTER SCIENCE FELLOWS PROGRAM

The Computer Science Fellows Program is designed for intellectually gifted, 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 genuine intellectual curiosity and a desire to excel in computer science 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 Program Director of the Computer Science Fellows Major. The application includes three letters of recommendation from current or former teachers and an essay explaining how the applicant would benefit from the major. Acceptances are made on a rolling basis, and letters of admission are sent in the month following receipt of a complete application.

The major is open to incoming freshman or transfer students with at least three years or 90 hours remaining to complete their undergraduate degree at Baylor. Students who enter late, i.e., after their freshman year or as a transfer student with more than 36 Baylor credit hours, need to seek a special waiver to this requirement from the Program Director before they can be admitted to the program.

### Maintaining Computer Science Fellow Status

Computer Science Fellows will be required to maintain a 3.5 GPA through their sophomore-level courses (including CSI 3471, "Software Engineering I", CSI 3344, "Introduction to Algorithms", and MTH 1322, "Calculus II"). Once admitted to the Upper Division of the Computer Science Fellows program (courses beyond those listed above), they must have at least a 3.25 GPA to graduate. If dismissed from the program, students must then fulfill the general requirements of the University as well as requirements for a major.

### 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 degree 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
- 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.

## BSCS HONORS PROGRAM

Students wishing to earn an honors degree in computer science can do so by fulfilling the minimum course work requirement stipulated by the Honors College. In addition to completing the requested number of honors classes, each candidate must complete a senior thesis. The successful honors student will be partnered with a member of the computer science faculty, who will mentor the honors student. The typical thesis is designed to provide exposure to research methods in the field and prepare the honors student for graduate study.

## BAYLOR INTERDISCIPLINARY CORE (BIC)

The Baylor Interdisciplinary Core (BIC) offers a set of comprehensive interdisciplinary courses that provides an integrated approach to knowledge and learning. Computer science students seeking a B.S.C.S. or B.S.I. degree may select the BIC program. Students must be admitted to the BIC program before registering for BIC courses.

For further details, see the BIC B.S.C.S. and B.S.I. curriculum in the Honors College section of this catalog.

## 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:

- CSI 1430, 1440, 2350, 3334, and 3344.
- Six semester hours of "3000" - "4000" level computer science electives.
- A grade of "C" or better in computer science 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 and Sciences section of this catalog for the required courses of study.

## MASTER OF SCIENCE IN COMPUTER SCIENCE

See the Graduate School Catalog for a description of this program.

## DEPARTMENTS OF ENGINEERING

### ORGANIZATION

The three engineering programs are offered through the engineering departments: the Department of Electrical and Computer Engineering, and the Department of Mechanical Engineering

### MISSION

The mission of the engineering departments is to educate students, within a caring Christian environment, in the discipline of engineering, by combining a strong technical foundation with an emphasis on professional, moral, ethical, and leadership development.

### PROGRAMS

Accompanying the growth and development of the organizational structure of Engineering at Baylor University, as reviewed earlier in the History section for the School, the engineering programs have also continued to grow and develop. Currently, the two Departments of Engineering offer three baccalaureate engineering degrees:

Bachelor of Science in Electrical and Computer Engineering

Bachelor of Science in Mechanical Engineering

Bachelor of Science in Engineering

and five graduate engineering degrees:

Master of Science in Biomedical Engineering

Master of Science in Electrical and Computer Engineering

Master of Science in Mechanical Engineering

Master of Engineering

Doctor of Philosophy in Electrical & Computer Engineering

plus joint bachelor's/master's programs for eight specific combinations of the bachelor's and master's programs. Up to six credits can be applied in common toward these joint degree programs. Further information is given in the Graduate Catalog.

### ACCREDITATION

Engineering programs may seek accreditation by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, phone 410-347-7700. All undergraduate engineering program accreditation is subject to the ABET EAC general criteria. Engineering programs such as Electrical and Computer Engineering or Mechanical Engineering are also subject to additional program-specific criteria.

Engineering programs may seek accreditation at either the basic (B.S.) level, advanced (M.S.) level, or both. Each of the three B.S. programs, Electrical and Computer Engineering, Mechanical Engineering, and Engineering, is accredited by ABET/EAC under the general and program specific criteria.

### SEMESTER HOUR REQUIREMENTS

The engineering curricula require a minimum of 129 semester hours. The corresponding Honors tracks require a minimum of 134 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, recitation, or testing sessions.

### PROGRAM OVERVIEW

Engineering graduates design and implement products and systems which 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 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. For well-prepared students, these programs can be completed in four years.

These programs are offered by a faculty that is dedicated to the education of undergraduate engineering students. To encourage and facilitate close student-faculty interaction, each student has a faculty advisor for academic and professional career guidance.

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. Engineering majors by choice of electives may also complete 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. Because of the intensive use of these tools throughout the engineering curriculum, each incoming engineering student will be required to provide for themselves a Texas Instruments TI-89 scientific calculator and an Intel X64-based laptop computer. See [www.ecs.baylor.edu/engr/hardware](http://www.ecs.baylor.edu/engr/hardware) for representative laptop examples. The laptop's software must include the currently adopted MS-Windows operating system and a number of other software packages, many of which can be purchased through the Baylor Bookstore at significant discounts. From time to time each student will be required to purchase additional software as required for specific classes. See [www.ecs.baylor.edu/engr/software](http://www.ecs.baylor.edu/engr/software) for a list of currently adopted software. Each student is required to maintain their 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 their laptop's hardware.

## **HONORS PROGRAM**

The School of Engineering and Computer Science participates in the University's prestigious Honors Program. Superior engineering students who are also admitted to the Honors College may pursue the Honors tracks of their respective engineering major. The Honors track for each engineering major is shown later in this section, immediately following the regular track. Additional information is given in the Honors College section of this catalog.

## **BAYLOR INTERDISCIPLINARY CORE**

The Baylor Interdisciplinary Core (BIC) offers a set of comprehensive interdisciplinary courses that provides an integrated approach to knowledge and learning. Engineering students may select the BIC program in place of certain requirements below. Students must be admitted to the BIC program before registering for BIC courses. For further details, see the BIC B.S. curricula for engineering majors in the Honors College section in this catalog.

## **ADMISSION TO ENGINEERING COURSES BEYOND THE FRESHMAN YEAR**

Upon fulfilling the requirements shown below, students will be allowed to continue in the engineering program.

Program requirements at the end of the freshman year will include completion of EGR 1301 and EGR 1302 with a grade of B or better and completion of their first semester Math course (either MTH 1304, MTH 1321, MTH 1322, or MTH 2321) with a grade of C or better.

Students seeking an engineering minor or a non-engineering degree may enroll in upper division engineering courses (EGR 3000 or above) with the consent of the chair of an engineering department.

## **REQUIREMENTS FOR MINOR IN ENGINEERING**

A minor in engineering requires twenty-one semester hours in engineering with:

- A. Nine semester hours of “3000” or “4000” level engineering electives.
- B. A grade of “C” or better in all engineering courses used for the minor.

## **LABORATORY SUPPORT**

The engineering programs have well-equipped laboratories that support both the hands-on portion of the curriculum and integrated computer usage. The engineering laboratories contain multi-core Intel Pentium workstations, each with high resolution flat-panel monitors and a high-speed network connection to a central file-server and the Internet. Several engineering labs also contain computer-driven data acquisition equipment that is used in the design and analysis of experiments. Laboratories dedicated to supporting the engineering programs include the Circuits and Electronics Lab, Fluids and Thermo-Energy Lab, Mechanical Materials Lab, Junior and Senior Engineering Design Labs, Biomechanics Lab, High Frequency RF/Microwave Lab, Power Systems Lab, and Electronics and Machine Shops.

## **INTERNSHIP PROGRAM**

The summer or semester Internship program is an elective program for combining undergraduate students’ engineering education with appropriate industrial experience. Students may receive three semester hours of credit (as EGR 3V95) toward graduation.

## **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. The exam is offered on campus during the spring semester.

## **HONOR SOCIETY**

### **ETA KAPPA NU NATIONAL ECE HONOR SOCIETY, KAPPA TAU CHAPTER**

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 INTERNATIONAL ME HONOR SOCIETY, Baylor Beta Beta Chapter**

Pi Tau Sigma 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 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.

## **PROFESSIONAL ORGANIZATIONS**

### **AMERICAN SOCIETY OF MECHANICAL ENGINEERS**

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 members.

### **ENGINEERS WITH A MISSION**

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. EM is a registered non-profit organization in the State of Texas and the pilot chapter is at Baylor University. Membership is two-tiered: any engineering major may be a general member, but the technical and spiritual core is made up of the Project Implementation and Testing Crew (PIT Crew) for which a more selective application is used.

### **INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS**

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.

### **NATIONAL SOCIETY OF BLACK ENGINEERS**

Baylor University's Chapter of the National Society of Black Engineers (NSBE) is available to all students majoring in engineering, science, or applied mathematics. The NSBE mission statement is "to increase the number of culturally responsible Black engineers who excel academically, succeed professionally and positively impact the community." The objective of the Chapter is to encourage the professional career development of African-American and other ethnic minorities in engineering and other science/technology-related fields at Baylor University. Furthermore, the Chapter strives to promote fellowship among minority students in order to increase the number of minority students entering and graduating with a degree in engineering or other science/technology-related fields.

### **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 completing the first of many Formula SAE cars in future of Baylor SAE.

### **SOCIETY OF WOMEN ENGINEERS**

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.

### **AWARDS**

In addition to numerous campus awards for which engineering students are eligible, the engineering faculty present the following two major awards.

**Outstanding Senior** – The engineering faculty recognize high scholastic achievement and service by awarding the Outstanding Engineering Senior award. This award is presented twice annually to a graduating engineering student with a high GPA, significant contribution to the senior design project, and a distinguished record of service to the engineering department.

**Outstanding Junior** – The engineering faculty recognize high scholastic achievement and service by awarding the Outstanding Engineering Junior award. This award is presented once or twice annually to a junior engineering student completing Engineering Design I and having a high GPA and a distinguished record of service to the engineering department, the University and the community.



SCHOLARSHIP INFORMATION

Engineering students are eligible to apply for unrestricted scholarships available at Baylor University. Applications for these scholarships should be submitted directly to the Student Financial Aid Office.

A number of additional scholarships are available only for engineering and computer science students.

- School of Engineering and Computer Science Board of Advocates Endowed Scholarship
- Engineering Endowed Scholarship
- Dr. and Mrs. James H. Nolen Endowed Computer and Engineering Science Scholarship
- William Eldon Mearse Family Endowed Scholarship

The following scholarships are available exclusively for engineering students.

- Texas Society of Professional Engineers (Central Texas Chapter ) Scholarship
- Neill Morris Memorial Scholarship
- The Departments of Engineering Scholarship
- The Baylor Engineering Alumni/Faculty Scholarship
- R. Bryan Nichols Estate Scholarship
- James R. Bargainer, Jr. Endowed Scholarship

Applications for these scholarships are available on the School of Engineering and Computer Science website, [www.ecs.baylor.edu](http://www.ecs.baylor.edu), during the spring term. The website also contains information about scholarships that are offered by various organizations outside of Baylor University.

BACHELOR OF SCIENCE DEGREES IN ENGINEERING

Students pursuing the B.S. in engineering choose one of the three programs. Because the common core extends through the second semester, a student may elect to delay the declaration of a particular major until third semester registration. During the fourth semester or the last semester of the technical core, application must be made for admission to the upper division of engineering.

B.S. DEGREE REQUIREMENTS

Minimum 129 hours including the following:

- I. Humanities and Social Sciences ..... 18-23 sem. hrs.
  - A. Literature ..... 6 hrs.
    - 1. GTX 2301, and
    - 2. One additional course from GTX 2301, ENG 2301, ENG 2304, ENG 2306
  - B. REL 1310 and 1350 ..... 6 hrs.
  - C. Foreign Language ..... 3-8 hrs.
    - Second level proficiency (at least 1302, 1402 or 1412) must be achieved.
    - 1. Complete one course to reach second level proficiency (1302, 1402, 1403, 2310 or 2320).
    - 2. Complete two courses to reach second level proficiency (beginning with 1301 or 1401).
  - D. ENG 2301 or PSC 2302 ..... 3 hrs.
  - E. Chapel—two semesters ..... no credit
- II. 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 and 1430 ..... 8 hrs.
  - D. Additional Mathematics or Basic Science ..... 3 hrs.
    - MTH 4329 is required for the Electrical and Computer Engineering major.
    - MTH 3326 is required for the Mechanical Engineering major.
    - One Mathematics or Basic Science course is required for the Engineering major.
- III. Other requirements ..... 15 hrs.
  - A. Writing/Communication – ENG 1302 and 3300 ..... 6 hrs.
  - B. Engineering Economics – ECO 3308 ..... 3 hrs.
  - C. Ethics Elective – One of EGR 3305, REL 3390, 3392, 4393. 4395, or BUS 3350 ..... 3 hrs.
  - D. Human Performance – three activity courses ..... 3 hrs.
    - (Note: HED 1145 may be substituted for 1 hour of HP.)
- IV. Major (see individual majors below) ..... 64 hrs.

## Electrical and Computer Engineering Major

- I. Engineering .....64 hrs.
  - A. EGR 1301, EGR 1302, ME 2345, ELC 2130, ELC 2330, ELC 3335, EGR 3380, ELC 4332 and EGR 4390 .....25 hrs.
  - B. ELC 2137, ELC 2337, 3336, 3337, 3338, 3414, 4438, and 4351 .....24 hrs.
  - C. Four courses from ELC 3331, 3333, 4318, 4330, 4333, 4334, 4340, 4345, 4350, 4353, 4360, 4362, 4372, 4377, 4381, 4396, 4V97, EGR 3V95 .....12 hrs.
 Students completing the AFROTC program may substitute AS 4302 for EGR 3395.
- II. CSI 1336 .....3 hrs.
- III. MTH 4329 (counted in Sec II.D above)

## Mechanical Engineering Major

- I. Engineering .....65 hrs.
  - A. EGR 1301, EGR 1302, ELC 2130, ELC 2330, ELC 3335, EGR 3380, EGR 4390, ELC 4332, ME 2345 .....25 hrs.
  - B. ME 2320, ME 3321, ME 3122, ME 3320, ME 3321, ME 3322, ME 3323, ME 3345 ME 4323, ME 4335, ME 4345 .....31 hrs.
  - C. Three courses from EGR 3V95, EGR 4375, BME 4370, BME 4374, ME 4320, ME 4322, ME 4324, ME 4327, ME 4330, ME 4336, ME 4344, ME 4346, ME 4347, ME 4377, ME 4382, ME 4384, ME 4385, ME 4396, ME 4V97 .....9 hrs.
 Students completing the AFROTC program may substitute AS 4302 for EGR 3V95.
- II. MTH 3326 (counted in Sec. II.D above)

## Engineering Major

Students interested in individualizing their engineering program may select either the coordinated Biomedical Option or the more individualized Flexible Option of the Engineering major.

Engineering majors must complete an Engineering major proposal, including the concentration and the proposed electives for their respective Option as listed below. The proposal must be submitted and approved by the time of upper division admission.

The concentration and other electives then become the required list of courses that must be completed for the major. Substitutions or modifications to the approved list must be resubmitted for approval. To insure degree credit, concentration and other electives in the Flexible Option should be approved before registering for any of these electives. The objectives of the approval process are to ensure sufficient purpose, depth, and coherence in the proposed concentration and other electives and compliance with the specific program requirements.

For Engineering majors in either option of the BSE program, the ethics requirement must be met by the specific course EGR 3305 Social and Ethical Issues in Engineering.

### Biomedical Option

- I. Engineering .....53 hrs.
  - A. EGR 1301, EGR 1302, ME 2320, ELC 2130, ELC 2130, ELC 2330, ELC 3335, EGR 3380, and EGR 4390 .....22 hrs.
  - B. An engineering stem of ME 3320, ME 3322, BME 4353, BME 4370, BME 4372, BME 4374, BME 4452 .....22 hrs.
  - C. Engineering Electives .....9 hrs.
- II. Approved Concentration Courses - HP 1420, HED 3350\*, Elective (4 hrs.) .....11 hrs.
- III. Additional Science Course - CHE 1341\* (counted in Sec. II.D. above)

*\*Pre-Med students may substitute BIO 3422 for HED 3350 and BIO 4341 for CHE 1341.*

### Flexible Option

- I. Engineering .....48-49 hrs.
  - A. EGR 1301, EGR 1302, ME 2320, ELC 2130, ELC 2330, ELC 3335, EGR 3380, and EGR 4390 .....22 hrs.
  - B. Approved Engineering Electives (A minimum of six hours must be at the "4000" level) .....26-27 hrs.
- II. Approved Concentration Electives (A minimum of nine hours must be at the "3000" level or above.) .....16-15 hrs.
- III. Approved Mathematics or Basic Science Elective (counted in Sec. II.D above)

Students desiring the Flexible Option must include one of the following engineering stems:

- A. Biomechanics – ME 3320, 3322, BME 4370, 4372, 4374, 4V97
- B. Biomedical Signals – ELC 4332, BME 4353, 4372, 4374, 4452
- C. Computer Systems – CSI 1336, ELC 2137, ELC 2337, 3336, 3338, 3414, 4438
- D. Electronics – ELC 3333, 3335\*, 3337, 3414, 4372
- E. Fluids and Thermal Energy – ME 2345, 3321, 3345, 4335, 4345
- F. Mechanical Design – ME 2321, 3320, 3322, 3323, EGR 4390\*
- G. Signal Processing – CSI 1336, ELC 3335\*, 3336, 4350, 4353, 4351

*\*Denotes courses already required for the Engineering major, and thus not counted in the twenty-six to twenty-seven engineering elective hours.*

## **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 selected from communication, electromagnetic fields, electronic design, bioinstrumentation, imaging, robotics, digital controls, networks, electrical materials, power systems, power electronics, avionics, and software systems, allow a student to study a specialized field of interest.

### **BSECE Program Educational Objectives**

The objectives of the B.S. in Electrical and Computer Engineering program, delivered in an educational environment shaped by Christian ideals, are that:

1. graduates have the maturity technical acumen and interpersonal skills necessary to be productive and successful engineers,
2. graduates will be responsible and productive members of the various communities in which they are engaged,
3. graduates have the professional and interpersonal skills necessary for interacting effectively with society,
4. graduates have the capacity for the thoughtful intergration of work and life and to view the engineering profession as a lifelong commitment to self-improvement and to the service of others.

### **BSECE Expected Graduate Outcomes**

In support of the program objectives, graduates of the program must demonstrate that they have:

- (a) an ability to apply knowledge of mathematics, science, and engineering
- (b) an ability to design and conduct experiments, as well as to analyze and interpret data
- (c) an ability to design a system, component, or process to meet desired needs
- (d) an ability to function on multi-disciplinary teams
- (e) an ability to identify, formulate, and solve engineering problems
- (f) an understanding of professional and ethical responsibility
- (g) an ability to communicate effectively
- (h) the broad education necessary to understand the impact of engineering solutions in a global and societal context
- (i) a recognition of the need for, and an ability to engage in, life-long learning
- (j) a knowledge of contemporary issues
- (k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

## SAMPLE SCHEDULE – B.S.E.C.E. DEGREE ELECTRICAL AND COMPUTER ENGINEERING MAJOR

### FRESHMAN YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
EGR 1301-Intro to Engineering	3	EGR 1302-Engineering Analysis	3
MTH 1321-Calculus I	3	MTH 1322-Calculus II	3
CHE 1301-Modern Chemistry I	3	PHY 1420-General Physics I	4
ENG 1302-Thinking and Writing	3	REL 1350-Christian Heritage	3
REL 1310-Christian Scriptures	3	Foreign Language (see B.S. Req. Sec. I.C)	3
Human Performance	1	Human Performance	1
Chapel	<u>0</u>	Chapel	<u>0</u>
	16		17

### SOPHOMORE YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ENG 2301-British Literature or PSC 2302-American Constitutional Govt.	3	ELC 2330-Electrical Circuit Theory	3
ELC 2337-Digital Logic Design	3	ELC 2130-Electrical Circuit Lab	1
ELC 2137-Digital Logic Lab	1	MTH 2311-Linear Algebra	3
MTH 2321-Calculus II	3	MTH 3325-Differential Equations	3
PHY 1430-General Physics II	4	CSI 1336-Comp. Algorithms, Egr. Appl.	3
GTX 2301-Intell. Trad. Ancient World	<u>3</u>	GTX 2302-Medieval Intell. Tradition	<u>3</u>
	17		16

## UPPER DIVISION ENGINEERING

### JUNIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ME 2345-Thermodynamics	3	ELC 3338-Computer Organization	3
ELC 3335-Signals and Systems	3	ELC 3337-Applied Electromagnetics	3
ELC 3336-Microprocessor Systems	3	ELC 4332-Automatic Control Systems	3
ELC 3414-Electronic Design	4	STA 3381-Statistical Methods	3
EGR 3380-Engineering Design I	3	ENG 3300-Technical Writing	<u>3</u>
Human Performance	<u>1</u>		15
	17		

### SENIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
MTH 4329-Complex Variables	3	EGR 4390-Engineering Design II	3
ELC 4438-Computer Systems Design	4	ELC 4351-Digital Signal Processing	4
ELC Elective (see list below)	3	ELC Elective (see list below)	3
ELC Elective (see list below)	3	ELC Elective (see list below)	3
ECO 3308-Engineering Economics	<u>3</u>	Ethics Elective (see B.S. Req. Sec. III.D)	<u>3</u>
	16		16

#### Electrical and Computer Engineering Electives:

EGR 3V95-Internship Experience	ELC 4350-Principles of Communication
ELC 3331-Electrical Networks & Systems	ELC 4353-Image Formation and Processing
ELC 3333-Electrical Materials	ELC 4360-Software Systems
ELC 4318-Avionics System Design	ELC 4362-Wireless Sensor Networks
ELC 4330-Introduction to Robotics	ELC 4372-Bioinstrumentation
ELC 4333-Digital Control Systems	ELC 4377-Solar Energy
ELC 4345-Power Electronics	ELC 4381-Antennas & Wireless Propagation
ELC 4340-Power Systems	ELC 4396-Special Topics in Engineering
	ELC 4V97-Special Projects in Engineering

## SAMPLE SCHEDULE – B.S.E.C.E. DEGREE ELECTRICAL AND COMPUTER ENGINEERING MAJOR (HONORS TRACK)

Honors students must complete at least 21 of the 31 hours of undergraduate Honors courses listed in the freshman and sophomore years. Freshmen Honors students must participate in two para-curricular activities.

### FRESHMAN YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
EGR 1301-Intro to Engineering	3	EGR 1302-Engineering Analysis	3
MTH 1321-Calculus I (Honors)	3	MTH 1322-Calculus II (Honors)	3
CHE 1301-Modern Chemistry I (Honors)	3	PHY 1420-General Physics I (Honors)	4
ENG 1302-Thinking & Writing (Honors) or FYS 1399-First Year Seminar (Honors)	3	REL 1350-Christian Heritage (Honors)	3
REL 1310-Christian Scriptures (Honors)	3	GTX 2301-Ancient World (Honors)	3
Human Performance	1	Human Performance	1
Chapel	<u>0</u>	Chapel	<u>0</u>
	16		17

### SOPHOMORE YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ENG 2301 British Literature or PSC 2302 American Constitutional Gov. (Honors)	3	ELC 2330-Electrical Circuit Theory	3
ELC 2337-Digital Logic Design	3	ELC 2130-Electrical Circuit Lab	1
ELC 2137-Digital Logic Lab	1	ME 2345-Thermodynamics	3
MTH 2321-Calculus III	3	MTH 2311-Linear Algebra	3
PHY 1430-General Physics II	4	MTH 3325-Differential Equations	3
GTX 2302-Medieval Tradition (Honors)	<u>3</u>	CSI 1336-Computer Algorithms	<u>3</u>
	17		16

To continue in the Honors program a student must have a GPA of 3.0 or above after 60 hours.

### SUMMER

Foreign Language (see B.S. Req. Sec. 1.C)	<u>3</u>
	3

## UPPER DIVISION ENGINEERING

### JUNIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ELC Elective (see list below)	3	ELC 3338-Computer Organization	3
ELC 3335-Signals and Systems	3	ELC 3337-Applied Electromagnetics	3
ELC 3336-Microprocessor Systems	3	ELC 4332-Automatic Control Systems	3
ELC 3414-Electronic Design	4	STA 3381-Statistical Methods	3
EGR 3380-Engineering Design I	3	ENG 3300-Technical Writing	3
HON 3200-Colloquium (Honors)	<u>2</u>	HON 3100 Independent Readings* (Honors)	1
	18	HON 3101 Independent Readings* (Honors)	<u>1</u>
			17

### SENIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ELC 4438-Computer Systems Design	4	EGR 4390-Engineering Design II	3
ELC Elective (see list below)	3	ELC 4351-Digital Signal Processing	3
ECO 3308 Engineering Economics	3	ELC Elective (see list below)	3
Human Performance	1	Ethics Elective (see B.S. Req. Sec. III.D)	3
HON-4177 Thesis Research I*(Honors)	1	HON 4187 Thesis Research III* (Honors)	1
HON-4178 Thesis Research II*(Honors)	1	HON 4188 Thesis Research IV* (Honors)	<u>1</u>
MTH 4329-Complex Variables	<u>3</u>		14
	16		

\* Independent Readings and Thesis Research must be approved and supervised by ECE Program Faculty. HON 4178, 4187, and 4188 count as 3 semester hours of engineering electives.  
For electrical list, see previous page.

## **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 data acquisition systems and instrumentation, analysis and design of propulsion systems, advanced structural analysis, computational methods for fluids-thermo, biomaterials, biomechanics, robotics manufacturing processes, and other topics. These electives add to the student's ability to apply fundamentals and to design machines and energy systems.

### **BSME Program Educational Objectives**

The Mechanical Engineering Program at Baylor University exists to educate and equip servant-leaders who are motivated by Christian ideals and a vocational calling to improve people's quality of life worldwide; enabled by fundamental technical, communication, and teamwork skills; empowered by innovative problem-solving creativity and an entrepreneurial mindset; sustained by intellectual curiosity for lifelong learning; and guided by the highest integrity, professional ethics, and commitment to professional responsibility.

### **BSME Expected Graduate Outcomes**

In support of the program objectives, graduates of the program must demonstrate that they have:

- (a) an ability to apply knowledge of mathematics, science, and engineering
- (b) an ability to design and conduct experiments, as well as to analyze and interpret data
- (c) an ability to design a system, component, or process to meet desired needs
- (d) an ability to function on multi-disciplinary teams
- (e) an ability to identify, formulate, and solve engineering problems
- (f) an understanding of professional and ethical responsibility
- (g) an ability to communicate effectively
- (h) the broad education necessary to understand the impact of engineering solutions in a global and societal context
- (i) a recognition of the need for, and an ability to engage in, life-long learning
- (j) a knowledge of contemporary issues
- (k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

## SAMPLE SCHEDULE – B.S.M.E. DEGREE MECHANICAL ENGINEERING MAJOR

### FRESHMAN YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
EGR 1301-Intro to Engineering	3	EGR 1302-Engineering Analysis	3
MTH 1321-Calculus I	3	MTH 1322-Calculus II	3
CHE 1301-Modern Chemistry I	3	PHY 1420-General Physics I	4
ENG 1302-Thinking and Writing	3	Foreign Language (see B.S. Req. Sec I.C)	3
REL 1310-Christian Scriptures	3	REL 1350-Christian Heritage	3
Human Performance	1	Human Performance	1
Chapel	<u>0</u>	Chapel	<u>0</u>
	16		17

### SOPHOMORE YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ENG 2301-British Literature or		ME 2321-Dynamics	3
PSC 2302-American Constitutional Gov't	3	ELC 2330-Electrical Circuit Theory	4
ME 2320-Statics	3	ELC 2130-Electrical Circuit Theory Lab	1
MTH 2321-Calculus III	3	MTH 2311-Linear Algebra	3
PHY 1430-General Physics II	4	MTH 3325-Differential Equations	3
GTX 2301-Intell.Trad. Ancient World	<u>3</u>	GTX 2302-Medieval Intell. Tradition	<u>3</u>
	16		17

### SUMMER

ME Elective (see list below)	<u>3</u>
	3

## UPPER DIVISION ENGINEERING

### JUNIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ME 2345-Thermodynamics	3	ME 3321-Fluid Mechanics	3
ME 3320-Strength of Materials	3	ME 3322-Materials and Mfg. Proc.	3
ELC 3335-Signals and Systems	3	ME 3323-Machine Design	3
EGR 3380-Engineering Design I	3	ME 3345-Advanced Thermodynamics	3
MTH 3326-Partial Differential Equations	3	ENG 3300-Technical Writing	<u>3</u>
Human Performance	<u>1</u>		15
	16		

### SENIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ME 4323-Mechanical Vibrations	3	ME Elective	3
ELC 4332-Automatic Control Systems	3	ME 4335-Mech. Engineering Lab	3
ME 4345-Heat Transfer	3	EGR 4390-Engineering Design II	3
ECO 3308-Engineering Economics	3	ME Elective (see list below)	3
STA 3381-Statistical Methods	<u>3</u>	Ethics Elective (see B.S.Req. Sec. III.D)	<u>3</u>
	15		15

#### **Mechanical Engineering Electives:**

EGR 3V95-Internship Experience  
 BME 4370-Biomaterials-Form and Function  
 BME 4374-Biomechanics  
 EGR 4375-Nuclear Engineering  
 EGR 4396-Special Topics in Engineering  
 EGR 4V97-Special Projects in Engineering  
 ELC 4330-Introduction to Robotics  
 ME 4320-Computer-Aided Structural Analysis  
 ME 4322-Computer-Aided Design

ME 4324-Finite Element Analysis  
 ME 4327-Numerical Methods  
 ME 4336-Energy Systems Design  
 ME 4344-Composite Material  
 ME 4346-Aeronautics  
 ME4347-Analysis and Design of Propulsion Systems  
 ME 4382-Selection of Materials & Manuf. Processes in Design  
 ME 4384-Engineering with Plastics



## SAMPLE SCHEDULE – B.S.M.E. DEGREE MECHANICAL ENGINEERING MAJOR (Honors Track)

Honors students must complete at least 21 of the 31 hours of undergraduate Honors courses listed in the freshman and sophomore years. Freshmen Honors students must participate in two para-curricular activities.

### FRESHMAN YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
EGR 1301-Intro to Engineering	3	EGR 1302-Engineering Analysis	3
MTH 1321-Calculus I (Honors)	3	MTH 1322-Calculus II (Honors)	3
CHE 1301-Modern Chemistry I (Honors)	3	PHY 1420-General Physics I (Honors)	4
ENG 1302-Thinking and Writing (Honors) or FYS 1399-First Year Seminar (Honors)	3	GTX 2301-Ancient World (Honors)	3
(Honors) or		REL 1350-Christian Heritage (Honors)	3
REL 1310-Christian Scriptures (Honors)	3	Human Performance	1
Human Performance	1	Chapel	<u>0</u>
Chapel	<u>0</u>		17
	16		.

### SOPHOMORE YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ENG 2301-British Literature or PSC-2302 American Constitutional Gov. (Honors)	3	ME 2321-Dynamics	3
ME 2320-Statics	3	ELC 2330-Electrical Circuit Theory	3
MTH 2321-Calculus III	3	ELC 2130-Electrical Circuits Lab	1
PHY 1430-General Physics II	4	MTH 2311-Linear Algebra	3
GTX 2302-Medieval Tradition (Honors)	<u>3</u>	MTH 3325-Differential Equations	3
	16	Foreign Language (see B.S. Req. Sec. 1.C)	<u>3</u>
			16

To continue in the Honors program a student must have a GPA of 3.0 or above after 60 hours.

### SUMMER

ME Elective (see list below)	3
STA 3381-Statistical Methods	<u>3</u>
	6

## UPPER DIVISION ENGINEERING JUNIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ME 2345-Thermodynamics	3	ME 3321-Fluid Dynamics	3
ME 3320-Strength of Materials	3	ME 3322-Materials and Mfg. Proc.	3
ELC 3335-Signals & Systems	3	ME 3323-Machine Design	3
EGR 3380-Engineering Design I	3	ME 3345-Advanced Thermodynamics	3
MTH 3326-Partial Differential Equations	3	ENG 3300-Technical Writing	3
HON 3200 Colloquium (Honors)	<u>2</u>	HON 3100-Independent Readings* (Honors)	1
	17	HON 3101-Independent Readings* (Honors)	<u>1</u>
			17

SENIOR YEAR

Fall	sem. hrs.	Spring	sem. hrs.
ME 4323-Mechanical Vibrations	3	ME Elective	3
ELC 4332-Automatic Control Systems	3	ME 4345-Mech. Engineering Lab	3
ME 4345-Heat Transfer	3	EGR 4390-Engineering Design II	3
ECO 3308-Engineering Economics	3	ME Elective (see list below)	3
Human Performance	1	Ethics Elective (see B.S. Req. Sec. III.D)	3
HON 4177-Thesis Research I* (Honors)	1	HON 4187-Thesis Research III* (Honors)	1
HON 4178-ThesisResearch II* (Honors)	<u>1</u>	HON 4188-Thesis Research IV* (Honors)	<u>1</u>
	15		17

\*Independent Readings and Thesis Research must be approved and supervised by ME Program Faculty.  
HON 4178, 4187, and 4188 count as 3 semester hours of engineering electives.

Mechanical Engineering Electives:

BME 4370-Biomaterials-Form and Function	ME 4336-Energy Systems Design
BME 4374-Biomechanics	ME 4344-Composite Materials
EGR 3V95-Internship Experience	ME 4346- Aeronautics
EGR 4396-Special Topics in Engineering	ME 4347-Analysis and Design of
EGR 4V97-Special Projects in Engineering	Propulsion Systems
ELC 4330-Introduction to Robotics	ME 4382-Selection of Materials
ME 4320-Computer-Aided Structural Analysis	& Manuf. Processes in Design
ME 4322-Computer-Aided Design	ME 4384-Engineering with Plastics
ME 4326-Introduction to Finite Element Analysis	ME 4385-Failure Analysis & Product
ME 4327-Numerical Methods for Engineers	Liability

## ENGINEERING (B.S.E.)

The Engineering major offers two formats that provide additional alternatives for engineering students, the Biomedical Option and the Flexible Option.

The Biomedical Option of the Engineering curriculum consists of: 1) a broad engineering core, 2) additional required and elective science courses, and 3) additional required and elective engineering courses that support Biomedical applications.

The Flexible Option of the Engineering curriculum consists of: 1) a broad engineering core, 2) one engineering stem that provides an integrated sequential development of strength and depth, including a laboratory experience, appropriate for professional employment in a traditional area of engineering practice, and 3) elective courses that can be selected to provide either further engineering concentration or concentrations in non-engineering fields. The concentration electives allow students to build a foundation for fields such as medicine, law, computer science, international business, business administration, engineering management, and applied science. The engineering stem is selected from the following seven choices: biomechanics, biomedical signals, computer systems, electronics, fluids and thermal energy, mechanical design, and signal processing.

**The choice of Option must be declared by the end of the first year to insure that the approved courses for the respective Option can be credited toward the student's degree requirement. Accordingly, a degree plan must be prepared, submitted, and approved before registering for any engineering or concentration electives.**

### BSE Program Educational Objectives

The objectives of the program leading to the Bachelor of Science in Engineering (B.S.E.) degree, delivered in an educational environment shaped by Christian ideals, are that:

1. graduates have the fundamental technical skills and knowledge required for success in the engineering profession, or in graduate or professional study.
2. graduates have the knowledge and skills necessary for success in a professional environment.
3. graduates successfully pursue a broad range of career paths

### BSE Expected Graduate Outcomes

In support of the program objectives, graduates of the program must demonstrate that they have:

- (a) an ability to apply knowledge of mathematics, science, and engineering
- (b) an ability to design and conduct experiments, as well as to analyze and interpret data
- (c) an ability to design a system, component, or process to meet desired needs
- (d) an ability to function on multi-disciplinary teams
- (e) an ability to identify, formulate, and solve engineering problems
- (f) an understanding of professional and ethical responsibility
- (g) an ability to communicate effectively
- (h) the broad education necessary to understand the impact of engineering solutions in a global and societal context
- (i) a recognition of the need for, and an ability to engage in, life-long learning
- (j) a knowledge of contemporary issues
- (k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

## SAMPLE SCHEDULE – B.S.E. DEGREE ENGINEERING MAJOR (BIOMEDICAL OPTION)

### FRESHMAN YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
EGR 1301-Intro to Engineering	3	EGR 1302-Engineering Analysis	3
MTH 1321-Calculus I	3	MTH 1322-Calculus II	3
CHE 1301-Modern Chemistry I	3	PHY 1420-General Physics I	4
ENG 1302-Thinking and Writing	3	REL 1350-Christian Heritage	3
REL 1310-Christian Scriptures	3	Foreign Language (see B.S.Req. Sec. I.C)	3
Human Performance	1	Human Performance	1
Chapel	<u>0</u>	Chapel	<u>0</u>
	16		17

### SOPHOMORE YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ENG 2301-British Literature or		ELC 2330-Electrical Circuit Theory	3
PSC 2302-American Constitutional Gov.	3	ELC 2130-Electrical Circuit Theory Lab	1
ME 2320-Statics	3	MTH 2311-Linear Algebra	3
MTH 2321-Calculus III	3	MTH 3325-Differential Equations	3
PHY 1430-General Physics II	4	GTX 2302-Medieval Intell. Tradition	3
GTX 2301-Intell. Trad. Ancient World	<u>3</u>	Human Performance	1
	16	STA 3381-Statistical Methods	<u>3</u>
			17

## UPPER DIVISION ENGINEERING

### JUNIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ME 3320 Strength of Materials	3	ME 3322 Materials and Mfg. Proc.	3
EGR 3380-Engineering Design I	3	ELC 3335 Signals and Systems	3
CHE 1341 Intro. Organic Biochemistry*	3	Major Elective	3
HP 1420 Human Anatomy	4	Major Elective	3
ENG 3300 Technical Writing	<u>3</u>	HED 3350 Human Physiology for Allied	
	16	Health Professionals*	<u>3</u>
			15

### SENIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
BME 4353 Image Formation and Processing	3	EGR 4390-Engineering Design II	3
BME 4374 Biomechanics	3	BME 4372 Bioinstrumentation	3
BME 4370 Biomaterials: Form & Function	3	BME 4452 Biomedical Digital Signal Proc.	4
Major Elective	4	Major Elective	3
ECO 3308-Engineering Economics	<u>3</u>	EGR 3305 Social and Ethical Issues	<u>3</u>
	16	in Engineering	16

\*Pre-med students may substitute BIO 3422 for HED 3350 and BIO 4341 for CHE 1341

## SAMPLE SCHEDULE – B.S.E. DEGREE ENGINEERING MAJOR (FLEXIBLE OPTION)

### FRESHMAN YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
EGR 1301-Intro to Engineering	3	EGR 1302-Engineering Analysis	3
MTH 1321-Calculus I	3	MTH 1322-Calculus II	3
CHE 1301-Modern Chemistry I	3	PHY 1420-General Physics I	4
ENG 1302-Thinking and Writing	3	REL 1350-Christian Heritage	3
REL 1310-Christian Scriptures	3	Foreign Language (see B.S. Req. Sec. I.C)	3
Human Performance	1	Human Performance	1
Chapel	<u>0</u>	Chapel	<u>0</u>
	16		17

### SOPHOMORE YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ENG 2301-British Literature or PSC 2302-American Constitutional Gov.	3	ELC 2430-Electrical Circuit Theory	3
ME 2320-Statics	3	ELC 2130-Electrical Circuit Theory Lab	1
MTH 2321-Calculus III	3	MTH 2311-Linear Algebra	3
PHY 1430-General Physics II	4	MTH 3325-Differential Equations	3
GTX 2301-Intell. Trad. Ancient World	<u>3</u>	GTX 2302-Medieval Intell. Tradition	3
	16	STA 3381-Statistical Methods	<u>3</u>
			16

## UPPER DIVISION ENGINEERING

### JUNIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ELC 3335-Signals and Systems	3	Major Elective (see B.S. Req. major Sec. I.B)	3
EGR 3380-Engineering Design I	3	Major Elective	3
EGR Elective (see B.S. Req. major Sec. I.B)	3	Major Elective	3
Math and Basic Science Elective	3	Major Elective	3
Concentration Elective		Concentration Elective	
(see B.S. Req. major Sec. II)	3	(see B.S. Req. major Sec. II)	3
Human Performance	<u>1</u>	ENG 3300-Technical Writing	<u>3</u>
	16		18

### SENIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
Major Elective (see B.S. Req. major Sec. I.B)	3	EGR 4390-Engineering Design II	3
Major Elective	3	Major Elective (see B.S. Req. major Sec. I.B)	3
Concentration Elective	3	Major Elective	3
(see B.S. Req. major Sec. II)		Concentration Elective	
Concentration Elective	3	(see B.S. Req. major Sec. II)	3
ECO 3308-Engineering Economics	<u>3</u>	EGR 3305 Social and Ethical Issues	<u>3</u>
	15	in Engineering	15

### Engineering Elective Stems:

#### *Electronics*

ELC 3333-Electrical Materials  
 ELC 3335-Signals and Systems\*  
 ELC 3337-Applied Electromagnetic Fields  
 ELC 3414-Electronic Design  
 ELC 4372-Bioinstrumentation

#### *Signal Processing*

CSI 1336-Computer Algorithms  
 ELC 3335-Signals and Systems\*  
 ELC 3336-Microprocessor Systems  
 ELC 4350-Principles of Communication  
 ELC 4353-Image Formation and Processing  
 ELC 4351-Digital Signal Processing

*Mechanical Design*

EGR 4390-Engineering Design II\*  
ME 2321-Dynamics  
ME 3320-Strength of Materials  
ME 3322-Mechanical Materials  
ME 3323-Machine Design

*Fluids and Thermal Energy*

ME 2345-Thermodynamics  
ME 3321-Fluid Mechanics  
ME 3345-Advanced Thermodynamics  
ME 4345-Heat Transfer  
ME 4335-Mechanical Engineering Laboratory

*Biomedical Signals*

BME 4353-Image Formation & Processing  
BME 4372-Bioinstrumentation  
BME 4374-Biomechanics  
BME 4452-Biomedical Digital Signal Processing  
ELC 4332-Automatic Control Systems

*Computer Systems*

CSI 1336-Computer Algorithms  
ELC 2137-Digital Logic Lab  
ELC 2337-Digital Logic Design  
ELC 3336-Microprocessor Systems  
ELC 3338-Computer Organization  
ELC 3414-Electronic Design  
ELC 4438-Computer Systems Design

*Biomechanics*

BME 4370-Biomaterials-Form and Function  
BME 4372-Bioinstrumentation  
BME 4374-Biomechanics  
BME 4V97-Special Projects  
ME 3320-Strength of Materials  
ME 3322-Mechanical Materials

*\*denotes course already required in engineering major*

## SAMPLE SCHEDULE – B.S.E. DEGREE ENGINEERING MAJOR (FLEXIBLE OPTION) HONORS TRACK

Honors students must complete at least 21 of the 31 hours of undergraduate Honors courses listed in the freshman and sophomore years. Freshmen Honors students must participate in two para-curricular activities.

### FRESHMAN YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
EGR 1301-Intro to Engineering	3	EGR 1302-Engineering Analysis	3
MTH 1321-Calculus I (Honors)	3	MTH 1322-Calculus II (Honors)	3
CHE 1301-Modern Chemistry I (Honors)	3	PHY 1420-General Physics I (Honors)	4
ENG 1302-Thinking and Writing (Honors)		REL 1350-Christian Heritage	
or FYS 1399 First Year Seminar (Honors)	3	(Honors)	3
REL 1310-Christian Scriptures (Honors)	3	GTX 2301 Ancient World (Honors)	3
Human Performance	1	Human Performance	1
Chapel	<u>0</u>	Chapel	<u>0</u>
	16		17

### SOPHOMORE YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ENG 2301-British Literature or PSC 2302- American Constitution Gov. (Honors)	3	ELC 2330-Electrical Circuit Theory	3
ME 2320-Statics	3	ELC 2130-Electrical Circuit Theory Lab	1
MTH 2321-Calculus III	3	MTH 2311-Linear Algebra	3
PHY 1430-General Physics II	4	MTH 3325-Differential Equations	3
GTX 2302-Medieval Tradition (Honors)	3	STA 3381-Statistical Methods	3
Human Performance	<u>1</u>	Foreign Language (see B.S.Req. Sec. I.C)	<u>3</u>
	17		16

To continue in the Honors program a student must have a GPA of 3.0 or above after 60 hours.

### UPPER DIVISION ENGINEERING JUNIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ELC 3335-Signals and Systems	3	Major Elective (see B.S.Req. major Sec. I.B)	3
EGR 3380-Engineering Design I	3	Major Elective	3
Major Elective (see B.S.Req. major Sec. I.B)	3	Major Elective	3
Math or Science Elective	3	Concentration Elective	
Concentration Elective		(see B.S.Req. major Sec. II)	3
(see B.S.Req. major Sec. II)	3	ENG 3300-Technical Writing	3
HON 3200-Colloquium (Honors)	<u>2</u>	HON 3100-Independent Readings*(Honors)	1
	17	HON 3101-Independent Readings*(Honors)	<u>1</u>
			17

**SENIOR YEAR**

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
Major Elective (see B.S.Req. major Sec. I.B)	3	EGR 4390-Engineering Design II	3
Major Elective	3	Elective (see B.S.Req. major Sec. I.B)	3
ECO 3308-Engineering Economics	3	Major Elective	3
Concentrative Elective		Major Elective	3
(see B.S.Req. major Sec. II)	3	EGR 3305-Social and Ethical Issues	
Concentrative Elective	3	in Engineering	3
HON 4177-Thesis Research I*(Honors)	1	HON 4187-Thesis Research III*(Honors)	1
HON 4178-Thesis Research II*(Honors)	1	HON 4187-Thesis Research IV*(Honors)	1
	17		17

\*Independent Readings and Thesis Research must be approved and supervised by the EGR Program Faculty. HON 4178, 4187, and 4188 count as 3 semester hours of engineering electives.

**Engineering Elective Stems:***Electronics*

ELC 3333-Electrical Materials  
 ELC 3335-Signals and Systems\*  
 ELC 3337-Applied Electromagnetic Fields  
 ELC 3414-Electronic Design  
 ELC 4372-Bioinstrumentation

*Mechanical Design*

ME 2321-Dynamics  
 ME 3320-Strength of Materials  
 ME 3322-Mechanical Materials  
 ME 3323-Machine Design  
 EGR 4390-Engineering Design II\*

*Fluids and Thermal Energy*

ME 2345-Thermodynamics  
 ME 3321-Fluid Mechanics  
 ME 3345-Advanced Thermodynamics  
 ME 4345-Heat Transfer  
 ME 4335-Mechanical Engineering  
 Laboratory

*Biomedical Signals*

EGR 4332-Automatic Control Systems  
 EGR 4353-Image Formation & Processing  
 EGR 4372-Bioinstrumentation  
 EGR 4374-Biomechanics

\*denotes course already required in Engineering major

*Signal Processing*

CSI 1336-Computer Algorithms  
 ELC 3335-Signals and Systems\*  
 ELC 3336-Microprocessor Systems  
 ELC 4350-Principles of Communication  
 ELC 4353-Image Formation and Processing  
 ELC 4351-Digital Signal Processing

*Computer Systems*

CSI 1336-Computer Algorithms  
 ELC 2337-Digital Logic Design  
 ELC 2137-Digital Logic Design Lab  
 ELC 3336-Microprocessor Systems  
 ELC 3338-Computer Organization  
 ELC 3414-Electronic Design  
 ELC 4438-Computer Systems Design

*Biomechanics*

ME 3320-Strength of Materials  
 ME 3322-Mechanical Materials  
 ME 4370-Biomaterials-Form and Function  
 ME 4372-Bioinstrumentation  
 ME 4374-Biomechanics  
 ME 4V97-Special Projects



## SAMPLE SCHEDULE – B.S.E. DEGREE ENGINEERING MAJOR (BIOMEDICAL OPTION) HONORS TRACK

### FRESHMAN YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
EGR 1301-Intro to Engineering	3	EGR 1302-Engineering Analysis	3
MTH 1321-Calculus I (Honors)	3	MTH 1322-Calculus II (Honors)	3
CHE 1301-Modern Chemistry I (Honors)	3	PHY 1420-General Physics I (Honors)	4
or FYS 1399 Freshman Seminar (Honors)		REL 1350-Christian Heritage (Honors)	3
ENG 1302-Thinking and Writing Honors)	3	GTU 2301-Ancient World (Honors)	3
REL 1310-Christian Scriptures (Honors)	3	Human Performance	1
Human Performance	1	Chapel	<u>0</u>
Chapel	<u>0</u>		17
	16		

### SOPHOMORE YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ENG 2301-British Literature or PSC 2302- American Constitutional Gov't (Honors)	3	ELC 2330-Electrical Circuit Theory	3
ME 2320-Statics	3	ELC 2130-Electrical Circuit Theory Lab	1
MTH 2321-Calculus III	3	MTH 2311-Linear Algebra	3
PHY 1430-General Physics II	4	MTH 3325-Differential Equations	3
GTU 2302-Medieval Tradition (Honors)	3	Foreign Language (see B.S. Req. Sec. 1.C)	3
Human Performance	<u>1</u>	STA 3381-Statistical Methods	<u>3</u>
	17		

To continue in the Honors program a student must have a GPA of 3.0 or above after 60 hours

## UPPER DIVISION ENGINEERING

### JUNIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
ME 3320 Strength of Materials	3	ME 3322 Materials and Mfg. Proc.	3
EGR 3380-Engineering Design I	3	ELC 3335 Signals and Systems	3
CHE 1341 Intro. Organic Biochemistry	3	Major Elective	3
HP 1420 Human Anatomy	4	Major Elective	3
ENG 3300 Technical Writing	3	HED 3350 Human Physiology for Allied	
HON 3200-Colloquium (Honors)	<u>2</u>	Health Professionals*	3
	18	HON 3100-Indpdt. Readings**(Honors)	1
		HON 3101-Indpdt. Readings**(Honors)	<u>1</u>
			17

### SENIOR YEAR

<b>Fall</b>	<b>sem. hrs.</b>	<b>Spring</b>	<b>sem. hrs.</b>
BME 4353 Image Formation and Processing	3	EGR 4390-Engineering Design II	3
BME 4374 Biomechanics	3	EGR 3305-Social and Ethical Issues in	3
BME 4370 Biomaterials: Form & Function	3	Engineering	
Major Elective	4	EGR 4372 Bioinstrumentation	3
ECO 3308-Engineering Economics	3	EGR 4452 Biomedical Digital Signal Proc.	4
HON 4177-Thesis Research I**(Honors)	1	HON 4187-Thesis Research III**(Honors)	1
HON 4178-Thesis Research II**(Honors)	<u>1</u>	HON 4188-Thesis Research IV**(Honors)	<u>1</u>
	18		15

\*Pre-Med students may substitute BIO 3422 for HED 3350 and BIO 4341 for CHE 1341

\*\*Independent Readings and Thesis Research must be approved and supervised by the EGR Program Faculty. HON 4178, 4187, and 4188 count as 3 semester hours of engineering electives.

# 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

Thomas S. Hibbs, Ph.D., Distinguished Professor of Ethics and Culture and Dean  
 Susan E. Colón, Ph.D., Associate Dean  
 R. Alden Smith, Ph.D., Associate Dean

#### BAYLOR INTERDISCIPLINARY CORE

Anne-Marie Schultz, Ph.D., Director  
 J. Mark Long, Ph.D., Faculty Assistant Director  
 Melanie G. Nogalski, D.Min., Coordinator of  
 BIC Program  
 Hillary A. Train, M.A., Coordinator of BIC  
 Program

#### GREAT TEXTS PROGRAM

Phillip J. Donnelly, Ph.D., Director

#### HONORS PROGRAM

Andrew C. Wisely, Ph.D., Director  
 Elizabeth Vardaman, M.A., Scholarship Liaison  
 Albert Beck, Ph.D., Admissions and Advisement  
 Coordinator

#### UNIVERSITY SCHOLARS PROGRAM

R. Alden Smith, Ph.D., Director  
 Susan E. Colón, Ph.D., Assistant Director  
 Jennifer L. Good, Ph.D., Assistant Director  
 Kenneth R. Jones, Ph.D., Assistant Director  
 Robert C. Miner, Ph.D., Assistant Director  
 Richard R. Russell, Ph.D., Assistant Director

#### HONORS RESIDENTIAL COLLEGE

Courtney I. DePalma, M.A., Program Coordinator  
 J. Todd Buras, Ph.D., Faculty Master

### HONORS COLLEGE FACULTY

Lisa C. Baker, Ph.D., M.D., Clinical Professor in the Honors Program  
 Lydia Bean, Ph.D., Assistant Professor in Baylor Interdisciplinary Core and Sociology  
 Peter M. Candler, Jr., Ph.D., Associate Professor of Theology  
 Candi K. Cann, Ph.D., Assistant Professor in Baylor Interdisciplinary Core and Religion  
 Susan E. Colón, Ph.D., Associate Professor of Literature in the Honors Program  
 Sharon A. Conry, M.S., Senior Lecturer and Lab Coordinator in Baylor Interdisciplinary Core  
 Elizabeth C. Corey, Ph.D., Assistant Professor of Political Science in the Honors Program  
 Phillip J. Donnelly, Ph.D., Associate Professor of Literature  
 Michael P. Foley, Ph.D., Associate Professor of Patristics  
 Barry A. Harvey, Ph.D., Professor of Theology  
 Douglas V. Henry, Ph.D., Associate Professor of Philosophy and Faculty Master of the Brooks  
 Residential College  
 Lynne W. Hinojosa, Ph.D., Assistant Professor of Literature in the Honors Program  
 Victor J. Hinojosa, Ph.D., Associate Professor of Political Science in the Honors Program  
 David L. Jeffrey, Ph.D., Distinguished Professor of Literature and Humanities  
 J. Mark Long, Ph.D., Associate Professor in Baylor Interdisciplinary Core and Church-State Studies  
 and Director of the Middle East Studies Program  
 Charles A. McDaniel, Ph.D., Assistant Professor in Baylor Interdisciplinary Core and Church-State  
 Studies  
 Robert C. Miner, Ph.D., Associate Professor of Philosophy

Scott H. Moore, Ph.D., Associate Professor of Philosophy and Great Texts  
K. Sarah-Jane Murray, Ph.D., Associate Professor of Medieval Literature and French  
Samuel P. Perry, Ph.D., Assistant Professor in Baylor Interdisciplinary Core  
Lynn W. Tatum, Ph.D., Senior Lecturer in Baylor Interdisciplinary Core and Religion  
Xin Wang, Ed.D., Associate Professor in Baylor Interdisciplinary Core and Chinese Studies and  
Director of the Asian Studies Program  
William P. Weaver, Ph.D., Assistant Professor of Literature  
Jason A. Whitlark, Ph.D., Assistant Professor in Baylor Interdisciplinary Core and Religion  
J. Lenore Wright, Ph.D., Associate Professor in Baylor Interdisciplinary Core and Philosophy

ADVISORS IN HONORS COLLEGE PROGRAMS

Baylor Interdisciplinary Core	Dr. Nogalski, Ms. Train
Great Texts Program	Dr. Donnelly
Honors Program	Dr. Beck, Ms. Marcum, Ms. Haun, Dr. Wisely
University Scholars Program	Dr. Smith, Dr. Colón, Dr. Good, Dr. Jones, Dr. Miner, Dr. Russell

## SCHOLARSHIPS

The Dr. and Mrs. O.P. Constantine Memorial Scholarship  
The Outstanding Honors Students Endowed Scholarship  
The C. Clifton and Betsy Robinson Scholarship  
The Dixon Wector Scholarship in American Civilization  
The Phi Beta Kappa and University Scholars Endowed International 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.

## 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)**  
**COLLEGE OF ARTS AND SCIENCES**

- I. Minimum requirement ..... 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 in the major, for work done at Baylor.
- IV. Interdisciplinary core requirements .....44 hrs.
  - A. World Cultures: BIC 1314, 1324, 2334, 2344, 4374 .....15 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 for the B.A. degree.

  - E. The Examined Life: BIC 1212, 3358, 4389 .....8 hrs.
- V. Additional core requirements
  - A. MTH 1301, 1304\*, 1321, or STA 1380 .....3 hrs.

\*MTH 1304 is intended only for students who plan to take MTH 1321.

  - B. Additional laboratory science .....4 hrs.

Lecture and laboratory from the approved list of laboratory sciences for the B.A. degree.

  - C. Foreign language .....3–14 hrs.

To be fulfilled with one of the following combinations:

  - 1. Complete one Modern or Classical language through 2320 level. Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, and Swahili may be used. [1401 (1301) and 1402 (1302)] or 1412 and 2310 and 2320.
  - 2. Complete two Classical languages through 1302 or 1402 level. Two languages from Latin, Greek, and Hebrew may be used. (If available, the following Biblical and Related Languages may be used: Akkadian, Aramaic, Syriac, Ugaritic.)

Note: It is strongly recommended that the language requirement be started during the first year of residence work.

  - D. Human Performance, two activity courses .....2 hrs.
  - E. 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) minimum .....36 hrs.
- IX. Maximum credit

Within the minimum of 124 hours required for a degree, the following maximum credits are applicable: (1) four courses of human performance (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)**  
**COLLEGE OF ARTS AND SCIENCES**

- I. Minimum requirement ..... 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 in the major, for work done at Baylor.
- IV. 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.
- V. Additional core requirements
  - A. Mathematics and Science .....34 hrs.
    - 1. Mathematics .....6 hrs.  
 MTH 1321 and three additional semester hours of Mathematics (MTH) or Statistics (STA) courses for which calculus (MTH 1321) serves as a prerequisite.
    - 2. Laboratory Sciences .....8 hrs.  
 Eight semester hours of laboratory science courses with appropriate labs.
    - 3. Additional Mathematics and Science .....20 hrs.  
 Twenty semester hours of additional courses from Biology, Chemistry, Environmental Studies, Geology, Physics, Psychology, Mathematics, and Neuroscience.
  - B. Foreign language ..... 3-14 hrs.
    - 1. Same as for bachelor of arts degree.
    - 2. Some majors have specific requirements; see departmental listings.
  - C. Human performance, two activity courses .....2 hrs.
  - D. Chapel—two semesters, usually freshman year ..... no credit
- VI. Major
 

See the list of majors included in the College of Arts and Sciences section of this catalog; see departmental section in this catalog for specific requirements.
- VII. The requirements for advanced credit, residence, language, a specified comprehensive examination, chapel, minimum grade point average, maximum credit, and human performance 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 and Sciences” and “General University Regulations.”

**BACHELOR OF FINE ARTS (BIC)**  
**COLLEGE OF ARTS AND SCIENCES**

- 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 .....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 ..... 3-11 hrs.
    - 1. Theatre arts majors are required to take one language through the 2310 level.
    - 2. Art majors are required to take one language through the 2310 level.
  - B. Human performance, two activity courses ..... 0-2 hrs.
    - 1. Theatre arts majors have no HP activity requirements outside of the BIC curriculum.
    - 2. Art majors must take two activity courses in addition to their BIC curriculum.
  - C. Chapel—two semesters, usually freshman year..... no credit
- VI. See the appropriate departmental section for specific requirements for a major in theatre arts (performance or design) or art (art-teacher certification or studio art).
- VII. The requirements for advanced credit, residence, language, a specified comprehensive examination, Chapel, minimum grade point average, maximum credit, and human performance 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 and Sciences” and “General University Regulations.”



**BACHELOR OF SCIENCE IN AVIATION SCIENCES (BIC)****COLLEGE OF ARTS AND SCIENCES**

- I. Minimum requirement .....124 sem. hrs.
- II. Residence requirement—minimum (including the last thirty hours) ..... 60 hrs.
- III. Grade point average—minimum of 2.0 (“C”) overall and also in the major for work done at Baylor.
- IV. 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.
- V. Additional core requirements
  - A. Foreign Language .....3-8 hrs.  
One language through the second semester or above.
  - B. Human Performance, two activity courses..... 2 hrs.
  - C. Chapel—two semesters, usually freshman year .....no credit
- VI. Major  
See departmental section of this catalog for specific requirements.
- VII. The requirements for advanced credit, residence, chapel, minimum grade point average, maximum credit, and human performance are the same as for the bachelor of arts. Additional information about these requirements is listed under “General Regulations for the College of Arts and Sciences” and “General University Regulations.”

**BACHELOR OF SCIENCE IN FAMILY  
AND CONSUMER SCIENCES (BIC)  
COLLEGE OF ARTS AND SCIENCES**

- 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 or 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.

NOTE: Nutrition Science majors must take CHE 1301/1101 and 1302/1102; BIO 1105 and 1305 instead of BIC 2437 and 2447.

  - E. The Examined Life: BIC 1212, 3358..... 5 hrs.
  - F. World Cultures V: BIC 4374 or Examined Life III: BIC 4389..... 3 hrs.
- V. Additional core requirements
  - A. Foreign language.....3-14 hrs.

To be fulfilled with one of the following combinations:

    - 1. Complete one Modern or Classical language through 2320 level. Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, and Swahili, may be used.  
[1401 (1301) and 1402 (1302)] or 1412, and 2310 and 2320.
    - 2. Complete two Classical languages through 1302 or 1402 level. Two languages from Latin, Greek, and Hebrew may be used. (If available, the following Biblical and Related Languages may be used: Akkadian, Aramaic, Syriac, Ugaritic.)  
Note: It is strongly recommended that the language requirement be started during the first year of residence work.
  - B. MTH 1301, 1304\*, 1321, or STA 1380 ..... 3 hrs.

Nutrition Science majors must take STA 1380. General Family and Consumer Sciences majors (Option I–leading to teacher certification) must take MTH 1304 or 1315 or 1321. Petition required for teacher certification students to count MTH 1315 for basic mathematics requirements.

\*MTH 1304 is intended only for students who plan to take MTH 1321.
  - C. Laboratory Science ..... 4 hrs.
    - 1. Nutrition Science majors must take BIO 1402.
    - 2. All other majors must take CHE 1405.
  - D. Human performance, two activity courses..... 2 hrs.
  - E. Chapel–two semesters, usually freshman year ..... no credit
- VI. Major  
See the College of Arts and Sciences section of this catalog on degrees offered for a list of majors; see departmental section for specific requirements.
- VII. The requirements for advanced credit, residence, language, a specified comprehensive examination, chapel, minimum grade point average, maximum credit, and human performance 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 and Sciences” and “General University Regulations.”

## BACHELOR OF SOCIAL WORK (BIC)

### COLLEGE OF ARTS AND SCIENCES

- I. Minimum requirements..... 124 sem. hrs.
- II. Residence requirement—minimum (including last thirty hours..... 60 hrs.
- III. Grade point average—minimum 2.9 (“C”) overall and also in the major for work done at Baylor.
- IV. Interdisciplinary core requirements ..... 44 hrs.
  - A. World Cultures: BIC 1314, 1324, 2334, 2344, 4374
  - B. The World of Rhetoric: BIC 1413, 1323
  - C. Social World: BIC 2330, 2340
  - D. Natural World: BIC 2437, 2447
  - E. The Examined Life: BIC 1212, 3358, 4389
- V. Additional core requirements
  - A. Foreign language
    - To be fulfilled with one of the following combinations:
    - 1. Complete one Modern or Classical language through 2320 level. Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, and Swahili may be used.  
[1401 (1301) and 1402 (1302)] or 1412, and 2310 and 2320.
    - 2. Complete two Classical languages through 1302 or 1402 level. Two languages from Latin, Greek, and Hebrew may be used. (If available, the following Biblical and Related Languages may be used: Akkadian, Aramaic, Syriac, Ugaritic.)  
Note: It is strongly recommended that the language requirement be started during the first year of residence work.
  - B. Mathematics 1301, 1304\*, 1321, or STA 1380 ..... 3 hrs.  
\*MTH 1304 is intended only for students who plan to take MTH 1321.
  - C. Additional Laboratory Science..... 4 hrs.  
NSC 1306-1106
  - D. ECO 4355 ..... 3 hrs.
  - E. Human Performance, one activity course..... 1 hr.  
Note: CCS 1100 may not be substituted for this requirement.
  - F. Civic Education, CCS 1100..... 1 hr.
  - G. 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 human performance 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 and 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 2.00 (“C”) in the business core and minimum 2.25 overall for admission to the Hankamer School of Business (see section X.)
- 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. Written and Oral Communication ..... 3-11 hrs.

Choose one of the following options

Complete one modern foreign language through the third level, either 2310 or 2312.. 3-11 hrs.

or

Three courses from three fields: (nine hours) from BUS 3345; JOU 3372; ENG 3300, 3309, 4309; Modern Foreign Language; CSS 3304, 3305, 3306.

  - B. ECO 2306, 2307 ..... 6 hrs.
  - C. MTH 1309 or 1321 ..... 3 hrs.
  - D. QBA 2302, 2305..... 6 hrs.
  - E. Chapel-two semesters, usually freshman year..... no credit
- VI. Business core requirements..... 36 hrs.
  - A. ACC 2303, 2304..... 6 hrs.
  - B. BUS 1301, 3315, 4385 ..... 9 hrs.
  - C. BL 3305 ..... 3 hrs.
  - D. FIN 3310..... 3 hrs.
  - E. MIS 1305 and MIS 3305 ..... 6 hrs.
  - F. MGT 3305, 3325 ..... 6 hrs.
  - G. MKT 3305 ..... 3 hrs.
- VII. Major..... 12 hrs. minimum
 

See School of Business section of this catalog for specific requirements.
- VIII. Business Electives..... 6 hrs.
- XI. Free Electives..... 9 hrs.
 

Nine semester hours in arts and sciences or upper-level business, which may include World Cultures V and Examined Life III.
- X. Business School Admission..... 60 hrs.
 

Admission requirements for the Hankamer School of Business include a minimum of sixty credit hours, minimum 2.5 GPA overall, and minimum 2.5 GPA 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 2.5
- 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 (Departmental Placement Examination Required).....3-11 hrs.  
Requirement may be completed by one of the following combinations:
    - 1. SPA 1401, SPA 1402, SPA 2311
    - 2. SPA 1412, SPA 2311
    - 3. SPA 2311 or higher
  - B. Mathematics ..... 6 hrs.  
See the School of Education section of this catalog for specific requirements.
  - C. Human performance, two activity courses ..... 2 hrs.
  - D. 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. ENG 3300..... 3 hrs.
  - B. ECO 3308 ..... 3 hrs.
  - C. REL 3390, 3392, 4393, 4395, BUS 3350 or EGR 3305..... 3 hrs.  
 (Note: BSE Program requires EGR 3305.)
  - D. Human performance, one activity course ..... 1 hr.  
 (Note: HED 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. ENG 3300..... 3 hrs.
  - B. CSS 3308 ..... 3 hrs.
  - C. Foreign language ..... 3-8 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 human performance 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. ENG 3300..... 3 hrs.
  - B. Foreign language ..... 3-11 hrs.
  - One language through 2310 or equivalent.
  - 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 Foreign Language .....	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	
A. Complete one group: .....	8 hrs.
1. BIO 2401, 2402	
2. BIO 3422, 3429	
B. Complete one group: .....	4-6 hrs.
1. CHE 1300, 1301	
2. CHE 1100, 1316	
C. Complete one course: BIO 1402, 4401 .....	4 hrs.
D. FCS 2351 .....	3 hrs.
E. STA 1380 or equivalent .....	3 hrs.
F. PSY 3341 .....	3 hrs.
G. Elective or World Cultures V or Examined Life III .....	3 hrs.
H. Foreign Language .....	8 hrs.
I. Chapel—two semesters, usually freshman year .....	no credit
V. Major.....	65 hrs.
See School of Nursing section of this catalog for specific 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. Six semester hours to be selected from:
    1. GTX 2301: Intellectual Tradition of the Ancient World
    2. GTX 2302: Medieval Intellectual Tradition
    3. GTX 2320: Greek and Hebrew Era
    4. GTX 2321: Roman and Early Christian Era
  - 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 with at least six semester hours at the 3000-4000 level.

Students in the Baylor Interdisciplinary Core (BIC) Program who complete the BIC requirements through the second-year can receive credit for GTX 2301 and GTX 2302 toward the major or minor.

#### **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, 2320, 2321.
  - B. At least twelve semester hours of GTX 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 twenty-one 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 3.2.

#### 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.

### Upper-Division Honors

Students completing the requirements of lower-division Honors with an overall grade point average of at least 3.2 may be invited to continue with their Honors Program track during their remaining semesters at Baylor. 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/honors\\_program](http://www.baylor.edu/honors_program)

## 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.

In order of priority, the following are the five criteria for admission into the University Scholars Program:

1. SAT/ACT scores
2. Class rank and GPA
3. A 500-word essay stating your reason for applying to the program  
(Prior to beginning the University Scholars application, you should type your essay and save it as a Word document or a pdf file. You will be able to upload your document within the application.)
4. Three letters of recommendation from individuals familiar with your academic record and potential for success at the university level  
(These may be mailed or faxed to the University Scholars Office.)
5. The number and type of Advanced Placement or college-level courses previously taken.

### Application Procedure

Students seeking admission should:

1. Submit the application form (available online at:  
<http://www.baylor.edu/honors%5Fcollege/index.php?id=16570>)
2. Submit the 500-word essay (online)
3. Request that three letters of recommendation (at least two from present or former professors) be sent to the University Scholars Office.

### 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 on a rolling basis throughout the year, and acceptance letters will be sent on a monthly basis. 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. For more information, contact Campus Living & Learning or visit the University Scholars Program website.

### Degree Requirements

- REL 1310 and REL 1350
- Two semesters of Chapel
- GTX 2301 and GTX 2302, and UNSC 3301 (University Scholars capstone course)
- UNSC 3001 (Exit Interview)
- UNSC 4101 (Senior Thesis)
- UNSC 4302 (Senior Thesis)
- 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 and Sciences” and “General University Regulations.” UNSC students cannot declare additional majors or minors. Committee approval is required for graduation.

**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. Students who are University Scholars may also participate in one or both of these programs.

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. BIC 3358 will substitute for the University Scholars Religion requirements of REL 1310 and REL 1350. All other University Scholars Program requirements must be fulfilled.

For University Scholars in the Honors Program, the University Scholars Capstone course (UNSC 3301) will substitute for one semester of Honors Colloquium and one semester of Independent Readings (HON 3200 and 3100). The Honors Program courses HON 4V87 (4 hours) and HON 4088 will substitute for UNSC 4101 and UNSC 4302.

# School of Music



## SCHOOL OF MUSIC FACULTY AND STAFF

William V. May, Jr., Ph.D. .... Dean  
 Georgia A. Green, Ph.D. .... Associate Dean for Academic Affairs  
 Michael N. Jacobson, D.M.A. .... Associate Dean for Administrative Affairs  
 David W. Music, D.M.A. .... Director of Graduate Studies

### DIVISION OF ACADEMIC STUDIES

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 C. Randall Bradley, D.M.A.  
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 Alfredo Colman, Ph.D.  
 Jann M. Cosart, D.M.  
 Eric C. Lai, Ph.D.  
 Swee Hong Lim, Ph.D.  
 Scott McAllister, D.M.A.  
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 Edward J.F. Taylor, Ph.D.  
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 Michael N. Jacobson, D.M.A.  
 Todd Meehan, D.M.A.  
 Sandor Ostlund, D.M.A.  
 L. Brent Phillips, M.M.  
 Jeffrey S. Powers, M.M.  
 Wortley F. "Wiff" Rudd, M.M.  
 Ann Shoemaker, M.M.  
 Kathryn S. Steely, D.M.

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 Terry Lynn Hudson, D.M.A.  
 Krassimira Jordan, M.M.A.  
 Brian R. Marks, D.M.A.  
 Lesley McAllister, D.M.A.

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 Jeffrey Peterson, D.M.A.  
 Randall Umstead, D.M.A.  
 Deborah Williamson, D.M.A.

Deloris Acevedo, B.A., Administrative Associate for Recruiting/Admissions  
 Lori Banas, Administrative Associate, Division of Ensembles and Summer Camps  
 Stephen Bolech, B.M., Access Services Supervisor, Crouch Fine Arts Library  
 Betty Bradford, Administrative Associate, Instrumental Studies Division  
 Rick Carpenter, Recording Studio Manager and Sound Engineer  
 Melinda Coats, B.S., Administrative Associate, Graduate and Academic Studies Divisions  
 Jamie Duerksen, M.M./M.Div., Evening Supervisor, Crouch Fine Arts Library  
 Debbie Dunham, Administrative Associate, Vocal Studies and Music Education Divisions  
 Courtney Faulkner, Administrative Assistant, Keyboard Studies Division  
 James Michael Floyd, D.M.A., Public Services Coordinator, Crouch Fine Arts Library  
 Rachael Hibbs, B.M., Weekend Supervisor, Crouch Fine Arts Library  
 James Grady, Multi-Media Specialist/Building Manager  
 Kathy Johnson, B.M., Assistant to the Dean  
 Mandi Marshall, B.A., Night Supervisor, Crouch Fine Arts Library  
 Linda Stewart, Financial Associate for Fiscal Operations  
 Sha Towers, M.M./ M.L.I.S., Music and Fine Arts Librarian and Librarian/Head, Crouch Fine Arts Library  
 Georgianne VanDyke, B.A., Assistant for Academic Records  
 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

### PROFESSORSHIPS

The Joyce Oliver Bowden Professorship in Music

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

*The mission of the School of Music is to educate men and women for the music professions of the church and of the world by providing them with an integrated educational and artistic atmosphere which preserves and transmits the religious and cultural values of this culture's artistic traditions, religious beliefs expressed through those traditions, and a sense of beauty inherent to those traditions.*

## GENERAL INFORMATION

### THE SCHOOL OF MUSIC

The School of Music of Baylor University is a member of the National Association of Schools of Music and a member of the Texas Association of Music Schools. Courses and degree plans are designed to satisfy requirements of both accrediting agencies. Degree programs leading to the bachelor of music education degree conform to certification requirements of the Texas Education Agency.

The School of Music is an integral part of Baylor University: students taking regular work are under the same rules for attendance, discipline, and examinations as prevail in all other parts of the University. Regulations and requirements not specifically described in this section will be governed by the rules listed in the College of Arts and Sciences section of the catalog.

The purpose of the School of Music is to equip its students with a thorough background of music training based on an understanding of history, theory, and practical application in the various fields of music; to provide performance experience of high quality while at the same time achieving and maintaining a reasonable balance between meeting the educational needs of the students and serving the cultural needs of the school and community; and to contribute to the intellectual and cultural life of the community.

### BUILDINGS AND EQUIPMENT

The School of Music currently is housed in two facilities, the Waco Hall complex and the McCrary Music Building. The Waco Hall complex contains 500-seat Roxy Grove Hall, 120-seat Recital Hall II, as well as classroom, office, studio, rehearsal, practice, and storage spaces.

Housed within the optimal acoustically designed environment of 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 with seats for forty. In addition, the building features seventy-eight practice rooms, a recording studio, MIDI lab, choral and instrumental rehearsal halls, four special areas for chamber music and seminars in conducting and academic studies, instrumental and choral music libraries, and studio and office spaces for the division of instrumental studies, ensemble directors, and secretarial assistance.

The organ department has nine pipe organs, including two instruments for performance and teaching. Jones Concert Hall is the home of the four-manual, 92-rank concert organ built by Petty-Madden, which features electronic playback capability and a 128-channel, solid state combination action. Located in the Robert A. Markham Organ Teaching Studio/Recital Hall is a three-manual, 30-stop, 39-rank organ by the firm of Orgues Létourneau, Ltée, of Saint-Hyacinthe, Quebec. It is a free-standing, encased instrument with mechanical key action and a 64-channel, solid-state combination action. The Higginbotham Memorial Organ, located in Roxy Grove Hall of the Waco Hall facility, is a three-manual, 61-rank concert organ built by Ruffatti. Also by Ruffatti is a two-manual, mechanical action organ in Recital Hall II. Several practice organs of various types are also available, including one by Ross King and one by Roy Redman.

The School of Music maintains an inventory of over 200 pianos including four Steinway concert grands and three electronic keyboard labs. The McCrary Music Building offers fifty-five new Kawai grand and vertical pianos for student practice.

The School of Music owns three harpsichords, a virginal, a clavichord, and a fortepiano. A variety of instruments for the study and performance of Renaissance and Baroque music, as well as an electronic music laboratory, provide a wide range of musical experiences.

### FINE ARTS LIBRARY

The Crouch Fine Arts Library (located on the third floor of Moody Memorial Library) contains audio and video recordings, listening/viewing facilities, visual arts books, and a wide range of music for study and performance.

The library has a number of significant music and art related databases as well as a number of streaming audio databases for listening. The Crouch Library's reserve collection includes streaming audio and circulating iPods for courses incorporating music. Crouch Special Collections include the Mrs. J.W. Jennings Collection of medieval music manuscripts and early printed music, the Frances G. Spencer Collection of American printed music, several extensive hymnody collections, and the David W. Guion Collection of manuscripts and memorabilia, among others. The collection of music periodicals comprises the most important English language journals and representative publications in foreign languages.

## MUSICAL ACTIVITIES

Every advantage possible is given to students to enable them to study in a live, wholesome musical environment. Contacts with professional artists are supplied through concerts and ample opportunity is offered to students to stimulate talent through their own creative activities.

## 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; Pi Kappa Lambda, national music honor society; and a student chapter of the Music Educators National Conference. The Baylor Association of Church Musicians is a local group.

## ARTIST ATTRACTIONS

In addition to recitals by artist-members of the music faculty, the University presents visiting artists of distinction, some of whom perform with the University Orchestra and the University Bands. The University also presents a lecture and entertainment series which includes music attractions.

## LYCEUM SERIES

A series of recitals, lectures, and workshops by outstanding artists and lecturers is offered each year, supported by a grant from the Meadows Foundation, Inc., of Dallas.

## SUMMER MUSIC PROGRAMS

The summer band, orchestra, and choral camps are designed to provide opportunity for all levels of high school students to engage in a highly specialized week of concentrated study in performance and musicianship. The Keyboard Institute is offered by audition and is designed for students who will enter the junior or senior year of high school. In addition to major ensemble participation, students have the opportunity to study with guest artists and clinicians, as well as Baylor University School of Music faculty members. Musical activities include chamber music, master classes, individual instruction, performance techniques, repertoire, student performances and faculty recitals.

## INSTRUMENTAL AND VOCAL WORKSHOPS

Instrumental and vocal workshops are held periodically throughout the year. They are staffed by Baylor faculty as well as outstanding guest clinicians and are open to Baylor students, high school musicians, and teachers.

## 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.

## ENTRANCE REQUIREMENTS IN MUSIC

**In addition to admission to the University, an applicant for a music degree must be admitted to the School of Music through the Office of the Dean, based on audition in a performance area heard by the appropriate School of Music faculty.**

**\*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.\***

**Transfer students should have their applications completed and approved at least six weeks before the anticipated date of entrance.**

Candidates applying for entrance into any class of applied music or theory must give evidence of being prepared for the work entered. Their classification will be regarded as tentative until established by their work or by placement tests.

**Responsibility for curriculum and degree planning lies with the student, whose advisor, in conjunction with the Student Records Office, will provide guidance and advice.**

## TESTS

### Placement Tests\* – Applied Music

All entering freshmen and transfer students must take a classification test in piano and in their applied major before registering.

All entering freshmen and transfer students majoring in voice or music education with vocal emphasis must take a classification test in voice at the time of registration.

### **Placement Tests\* – Theory**

An entrance test in music theory to determine the student's background is given during Freshman Orientation.

### **Achievement Tests – Applied Music**

All students taking applied music for credit toward a music major must take an achievement test at the end of each semester.

### **Final Tests – Applied Music**

Applied music majors must take freshman and sophomore final tests in their applied major.

Students may register for upper division applied music only after successfully completing the sophomore final test. Junior and senior recitals take the place of junior and senior final tests, respectively. Students will not be admitted to recitals or to final tests in applied music unless they are of corresponding academic standing.

## **CREDIT IN MUSIC SUBJECTS**

One semester hour of credit is given for one hour of class work per week for one semester of sixteen weeks. Additional class and/or laboratory periods are required with some courses.

### **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 to 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 six semester hours. No student may be registered for more than one section of a given applied music subject in a semester. The maximum total amount of credit that can be earned in applied music in one semester is eight semester hours.

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.

### **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
M for midi		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

\* Concerning placement tests for transfer students, see "Transfer Credit" which follows.

K5 for accompanying	W5 for saxophone	B5 for tuba
S1 for violin		
S2 for viola		M1 for midi
S3 for cello	P1 for percussion	V1 for voice
S4 for bass	P2 for timpani	H1 for harp

Applied *class instruction* subjects are:

- 1131 Class piano (grade level Is)
- 1132 Class piano (grade level IIs)
- 1133 Class piano (grade level IIIs)
- 1124 Class voice (generally for non performance majors)
- 1125 Class piano (instruction for non-music majors)

## HONORS

**Honors Program.** The School of Music participates in the Honors Program for superior students. For detailed information concerning the program, consult the Honors College section of this catalog.

The **Bernard A. and Bessie Hess Smith Award for Academic Excellence** is made annually to the outstanding graduating senior student in the School of Music.

## SPECIAL MUSIC SCHOLARSHIPS

In addition to the aid programs administered by Student Financial Aid, numerous music scholarships are available. Qualifications are established by audition. Scholarships are awarded for one academic year unless otherwise specified. Renewal of awards is contingent upon a satisfactory grade point average and recommendation to the Dean by the Division Directors each year. Information about the music scholarships may be obtained by writing the director of the appropriate division or the Dean of the School of Music.

## COMPETITIVE SCHOLARSHIPS

### DESIGNATED SCHOLARSHIPS

The Rildia Bee O'Bryan Cliburn Endowed Scholarship is awarded to piano majors.

The Mary Etta Mason Memorial Scholarship is awarded to an outstanding student of voice.

The Robert and Enid Markham Organ Scholarships are awarded to students majoring in organ.

The Martha Barkema Voice Scholarship is awarded to voice majors.

The Jeannette C. Clift Music Scholarship is awarded to piano majors.

The Music School Special Scholarship Fund is awarded to choral music majors.

The Omie Scarborough Clements Memorial Scholarship is awarded to a Baptist music student.

The Mark Evyan Hollis Golden Wave Band Scholarship is awarded to wind or percussion instrumentalists in the band program.

The Waco Symphony Council Music Scholarship is awarded to string students.

The Stivers Memorial Music Scholarship Fund is reserved for a music student from McLennan County.

The D. Wesley and E. Kay Anthony Music Scholarship is awarded to students planning to go into the music ministry.

The Ruby Pool Music Scholarship is awarded to students in music education in the band program.

The Presser Scholarship is awarded to a rising senior student.

The Elizabeth Brient Smith Endowed Piano Scholarship is awarded to piano pedagogy majors.

The Florine Beall Shank Scholarship is awarded to voice or piano majors.

The Ruth Dean Morris Music Scholarship is awarded to members of the Phi Xi Chapter of Mu Phi Epsilon.

The Arthur and Geneva DeLoach Oboe Scholarship is awarded to oboe majors.

The Bedford D. and Joyce Harlan Edwards Scholarship is awarded to oboe students.

The Luther Alvin and Audrey M. Griffith Memorial Scholarship Fund is awarded to piano majors.

The Columbus Avenue Baptist Church Scholarship is awarded to church music majors.

The Houston Gala Scholarship for Exceptional Music Students is awarded to a music student from Houston, Texas.

The Lois Elizabeth Smith Memorial Music Scholarship is awarded to voice majors.

The Mary Francis Crumpler Sharp Church Music Scholarship is awarded to church music students.

The Lyle Skinner Scholarship is awarded to members of the Golden Wave Band.



- The Bernard A. Smith Award is awarded to an outstanding male student.
- The Gladys C. Stinson Scholarship is awarded to piano majors.
- The Walter and Emilie Spivey Endowed Scholarship is awarded to organ students.
- The Martha Barkema Mu Phi Epsilon Scholarship is awarded to members of Mu Phi Epsilon.
- The Fred and Princess Cameron Music Scholarship is awarded to church music majors.
- The Mollie Waldrop Cowden Music Scholarship is awarded to female piano or vocal majors.
- The Alan Wrotenbery Scholarship Fund is awarded to voice majors.
- The John McFadden Memorial Music Scholarship is awarded to a baritone voice student.
- The Ruth G. Burr Endowed Academic Scholarship Fund is awarded to a student studying in the classical music field.
- Mr. and Mrs. C. Thomas Newsom Band Scholarship is awarded to a woodwind band student.
- The Silvio and Isabel Scionti Piano Scholarship is awarded to a piano major.
- The Dean's Award for Outstanding Performance is awarded for outstanding performance.
- The Golden Wave Alumni Band Scholarship is awarded to a member of the Golden Wave Band.
- The Richard A. and Helen Ann Shanley Endowment Fund Scholarship is awarded to flute and clarinet majors.
- The Helen Ann Shanley Endowed Music Scholarship is awarded to flute majors.
- The Mary Ila and O. Herbert Colvin Endowed Scholarship is awarded to church music majors.
- The Lois Barfield Wimberly Endowed Scholarship is awarded to church music majors.
- The Kenneth Gauntt Scholarship Fund is awarded to students who hold the principal chair of trumpet in the Baylor Symphony Orchestra.
- The Ruby Lee McKellar Endowed Memorial Music Scholarship Fund is awarded to female vocal majors.
- The Jon Anne Jackson Endowed Scholarship Fund is awarded to violin students.
- The Thelma Jackson Smith Endowed Scholarship Fund is awarded to piano or organ majors.
- The Richard M. Willis Fellowship in Composition Endowed Scholarship Fund is awarded to graduate music composition majors.
- The Robert H. and Betty B. Young Endowed Music Scholarship Fund is awarded to choral church music majors.
- The Virginia Furrow Singers Music Scholarship is awarded to junior and senior members in choral programs.
- The Ruby V. Burns Memorial Scholarship Fund is awarded to piano or voice majors.
- The Johnnie and Jessie Gilstrap Memorial Scholarship Fund in Organ is awarded to organ performance majors.
- The John F. Baugh Endowed Scholarship Fund is awarded to vocal majors with an interest in church music.
- The Tom and Joan Branyon Scholarship is awarded to music students from Waco working toward a degree in vocal performance with a 3.0 GPA.
- The William E. and Alice Rebecca Carson Memorial Endowment Scholarship is awarded to students preparing for careers in church music.
- The Robert G. and Lorene Carson Bowers Scholarship is awarded to students pursuing a degree in music education.
- The Lorene Taylor and Floyd F. Davidson Endowed Scholarship Fund in Music is awarded to students who are studying piano or instrumental music.
- The William Carey Ring Memorial Endowed Band Scholarship Fund is awarded to students who participate in the Baylor University band program during both the fall and spring semesters.
- The Ann Peebles Cunningham Piano/Voice Endowed Scholarship Fund is awarded to piano or voice majors who are planning a career in some area of teaching music or church music work.
- The Miriam Elizabeth Hebert Memorial Endowed Scholarship Fund is awarded to undergraduate or graduate voice and music history majors.
- The Erkalene McCormack Ousley Endowed Scholarship Fund in Music Education is awarded to junior or senior music education majors.
- The Joyce Jones Organ Scholar Award is awarded to organ students.
- The Robert H. and Betty B. Young Endowed Choral Music Fund is awarded to students participating in the Chamber Singers or similar performing group.
- The Kurt and Patricia Kaiser Endowed Music Scholarship Fund is awarded to students majoring in composition.

The Kenneth Howard Choral Music Education Endowed Award Fund is awarded to junior choral music education majors.

The Norman Petty Memorial Choral Endowed Scholarship Fund is awarded to students who are majoring in choral music education and participating in one or more choral ensembles.

The C. E. and Gladys M. Bedwell Endowed Scholarship Fund in Piano.

The Bennett Award for Outstanding Music Students in Music Education

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 Eula Merle Lucas Harrison Memorial Endowed 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 is awarded to a vocal performance major participating in the Baylor Opera program.

The Jack Terrell Family Endowed Scholarship in Church Music is awarded to students majoring in church music.

The Dwain and Carolyn Bruner Golden Wave Band Endowed Scholarship is awarded to students participating in the Golden Waave Marching Band.

The William Jr., and Mary Covington Endowed Scholarship Fund in Christian Music awarded to students who have an interest in a vocation of Christian music.

Zachary Evans Retz Memorial Endowed Scholarship Fund in Music is awarded to students pursuing a major in voice.

Donald I. Moore Endowed Scholarship Fund is awarded to students who are in the band or are music composers.

Hugh Sanders Memorial Endowed Scholarship Fund in Choral Music is awarded to graduate students pursuing the Master of Music in Conducting with emphasis in Choral Conducting.

### GENERAL SCHOLARSHIPS

Available to any qualified student for the study of 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 Gullede Memorial Music Scholarship, established by Mrs. Edna Gullede Johnson, first recipient of a bachelor of music degree at Baylor

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 Daniel Sternberg Music Scholarship Endowed by Mr. and Mrs. Gordon Rountree, Sr.

The Anel M. Unger Scholarship, given by Mrs. Bessie U. Conner, is awarded to a music major.

The Larry Vanlandingham Music Scholarship, given by Carolynne and Ed Burleson, is awarded to a music major.

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 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 Martha Newman Cashion Endowed Scholarship Fund in Music  
The 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

### **INCENTIVE FUND**

Awards are made available to qualified students who are nominated by the faculty, recommended by the division director, and approved by the Dean. Recipients must participate in a major ensemble as needed each semester in which aid is received.

### **STUDENT LOAD**

The maximum credit load for an average student seeking the degree of bachelor of music or bachelor of music education is eighteen semester hours. The maximum load for an entering freshman is eighteen 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-one semester hours with the approval of the Dean.

### **RECITALS**

#### **Junior and Senior Recitals**

A senior recital is required of every degree candidate in applied music. It must be completed not 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. An approved ensemble performance may be included in the program. 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 4308.

#### **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 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 an ensemble every semester of residence, except for the student teaching semester for B.M.E. students. No student may be enrolled in more than two performing ensembles during any one semester. Any exception to the ensemble policies must be approved by the Dean in consultation with the appropriate applied teacher, ensemble director, and division director. The following ensembles are considered “major ensembles”: Instrumental –

Orchestra, Wind Ensemble, Symphonic Band, Jazz Ensemble, Concert Band, and Marching Band; Vocal – A Cappella Choir, Concert Choir, Chamber Singers, and Baylor Bella Voce. “Performing ensembles” are all major ensembles and Baylor University Men's Choir, Women's Choir, Opera Theater, Early Music Ensemble, and ShowTime! Ensemble requirements for keyboard majors include accompanying, keyboard skills, chamber music, and piano ensemble.

### COURSE REPETITION POLICY

Students enrolled in music degrees (BM, BME, BA Music) may not repeat a course in the Music Core or in their Major after receiving a grade of F or DF 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 a 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.

## DEGREE OFFERINGS

The undergraduate and graduate degrees offered by the School of Music are approved by the National Association of Schools of Music.

### BACHELOR'S DEGREES

**Bachelor of Arts Degree.** A Bachelor of Arts degree with a major in music is offered through the College of Arts and Sciences. In this degree, students may pursue studies that emphasize either performance or academic subjects in music.

**Bachelor of Music Degree.** The School of Music offers a four-year course leading to the Bachelor of Music degree with majors in applied music, church music, history and literature, piano pedagogy, theory, and composition. The Bachelor of Music is a professional degree.

**Bachelor of Music Education Degree.** This degree plan is designed for prospective teachers in the public schools. It is a professional degree that conforms to the certification requirements of the Texas Education Agency.

### BACHELOR OF MUSIC

- 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 2.00 overall, and also in the major for work done at Baylor.
- IV. Basic requirements ..... 29–43 hrs.
  - A. ENG 1302, 1304, and 2301 ..... 9 hrs.
  - B. HIS 1305 or 1307 ..... 3 hrs.
  - B.M. church music majors may take HIS 2365 or 2366.
  - C. REL 1310 and 1350 ..... 6 hrs.
  - D. PSC 2302 ..... 3 hrs.
  - This course may not be transferred from another school after the student has matriculated to Baylor.
  - E. Modern Foreign Language: one language through the 2310 level ..... 3–16 hrs.
  - B.M. voice and B.M. music history and literature majors must take two semesters each of two languages, 12–16 sem. hrs.
  - F. Mathematics or Natural Science ..... 3–4 hrs.
  - G. Additional Requirements ..... 0–3 hrs.
  - B.M. theory majors must select three hours from science or humanities courses.
  - H. Human Performance, two activity courses ..... 2 hrs.
    - 1. This requirement is waived for students who have reached age 25 at the time of matriculation to Baylor; for veterans (one semester hour per 135 days active duty); for students in Aerospace Studies (one hour per semester); for athletic participants (one hour for sport participation, maximum waiver two semesters); and for Marching Band participants. Marching Band enrollment may not satisfy both H.P. and ensemble requirements in the same semester. Any student enrolled in Marching Band for H.P. credit must also be enrolled in a second ensemble concurrently.

- 2. For those students with physical disabilities, an adaptive and/or academic oriented program will be provided. Students with disabilities should present to the coordinators at registration a medical statement from the Baylor physician outlining the nature of their disability and recommendation for activity.
- 3. For further information, see the Division of Human Performance in the School of Education section of the catalog.
- I. Chapel—two semesters, freshman year ..... no credit
- J. Electives ..... 2-19 hrs.
  - 1. B.M. piano majors must take three to twelve elective hours.
  - 2. B.M. organ and composition majors must take 0 to nine elective hours.
  - 3. B.M. music theory and wind, string, or percussion majors must take four to thirteen elective hours.
  - 4. B.M. pedagogy majors must take 0 to eight elective hours.
  - 5. B.M. voice majors must take 0 to five elective hours.
  - 6. B.M. church music, voice emphasis majors must take one to ten elective hours.
  - 7. B.M. church music, keyboard emphasis majors must take 0 to ten elective hours.
  - 8. B.M. music history and literature majors must take 0 to seven elective hours.
  - 9. B.M. church music, instrumental emphasis majors must take 0 to eight elective hours.

**MUSIC CORE FOR BACHELOR OF MUSIC DEGREE**

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 2101, MUS 2302, MUS 2101, 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 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.....	
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

**Bachelor of Music Degree**  
**Requirements for a Major in String Emphasis**

- Forty-four semester hours including:
- A. MUS 2260, MUS 4334 and, MUS 4321 Symphonic Literature.
  - 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 proficiency requirement has been met.)
  - D. A minimum of eight semesters of major 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 MUS 0130. Harp majors, six semester hours of MUS 0134.
- 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 - MUS 0120 Early Music ensemble, MUS 0106 Jazz ensemble, (Double Basses only), MUS 0130 String Chamber Music

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.

## Requirements for a Major in Brass Emphasis

Fifty-five to forty-seven 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 major 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.

Supportive Courses:

- A. Thirty-one semester hours music core.
- B. Five to seven semester hours classroom music courses (see list following B.M. requirements).

\*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 proficiency requirements have been completed.

## Requirements for a Major in Woodwind Emphasis

Forty-five to forty-seven 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 major 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.

Supportive Courses:

- A. Thirty-one semester hours music core.
- B. Five to seven semester hours classroom music courses\*\* (see list following B.M. requirements).

\*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 proficiency requirements have been completed.

### **Requirements for a Major in Percussion Emphasis**

Fifty-five to forty-seven 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 major 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.

Supportive Courses:

- A. Thirty-one semester hours music core.
- B. Five to seven semester hours classroom music courses\* (see list following B.M. requirements).

\*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 proficiency requirements have been completed.

### **Requirements for a Major in Organ**

Fifty-four 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 MUS 0136 and four hours in a choral ensemble); enrollment in ensemble required for every term in residence.
- E. Junior and senior recitals.

Supportive Courses:

- A. Thirty-one semester hours music core.
- B. Three semester hours classroom music courses (see list following B.M. requirements).

\*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

## Requirements for a Major in 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. A minimum of ten semester hours of ensemble from the following courses: MUS 0136 (four to six semesters); MUS 0137 (two semesters); MUS 0130 or 0135 (0 to two semesters); choir, band, orchestra (two semesters); enrollment in ensemble required for every term in residence.
- E. Junior and senior recitals.

Supportive Courses:

Thirty-one semester hours music core.

## Requirements for a Major in 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. A minimum of ten semester hours of ensemble from the following courses: MUS 0136 (four to six semesters); MUS 0137 (two semesters); MUS 0130 or 0135 (0 to two semesters); choir, band, orchestra (two semesters); enrollment in ensemble required for every term in residence.
- E. Recital in senior year.

Supportive Courses:

Thirty-one semester hours music core.

## Requirements for a Major in Voice

Must have a grade of "C" or above in MUS 1150, 1151, and 1152.

Forty-seven semester hours including:

- A. MUS 1150, 1151, 1152, 2260, 4299, 4327, 4329.
- B. Twenty-two 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 IVs). Must have a grade of "C" or above in all secondary piano courses.\*
- D. A minimum of eight semesters of major ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- E. Junior and senior recitals.

Supportive Courses:

- A. Thirty-one semester hours music core.
- B. Nine semester hours classroom music courses. Courses selected from MUS 4150, 4151, 4216, 4218, 4220, 4221, 4234, 4120 may substitute for three hours of classroom music courses (see list following B.M. requirements).

\*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, Voice Emphasis

Sixty-one semester hours including:

- A. MUS 1007, 2170, 2260, 3170, 3171, 3179, 3261, 3270, 3271, 3275, 3276, 3277, 3278, 4171, 4270, 4273, 4274, 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. Sixteen 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 semesters of major ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- E. Four semester hours additional ensembles.
- F. Junior-level recital in senior year.
- G. 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-two semester hours including:

- A. MUS 1007, 2170, 3170, 3171, 3179, 2260, 3261, 3270, 3271, 3275, 3276, 3277, 3278, 4171, 4270, 4273, 4274, and two to three semester hours from the following courses: MUS 4210 (organ concentration) and 3312 (piano concentration).
- B. Sixteen semester hours applied music (Piano Level VII and junior-level recital in senior year 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.
- C. Four semester hours Applied Voice (organ concentrations, also Piano Level IVs). Must have a grade of "C" or above in all secondary piano courses.\*
- D. A minimum of eight semesters of major ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- E. Four semester hours additional ensembles.
- F. Junior-level recital in senior year.
- G. 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**

Sixty-three semester hours including:

- A. MUS 1007, 2170, 2260, 3170, 3171, 3179, 3261, 3270, 3271, 3275, 3276, 3277, 3278, 4171, 4270, 4273, 4274.
- 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. 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 major 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 Composition**

Fifty-six 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, 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 major ensemble; enrollment in ensemble in the major performing area required for every term in residence.
- D. Recital of original works as part of MUS 4308.

**Supportive Courses:**

- A. Thirty-one semester hours music core.
- B. Three semester hours classroom music courses (see list following B.M. requirements).

\*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, 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 major 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:**

- 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.

**Requirements for a Major in Theory**

Forty-three 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 major 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:

A. Thirty-one semester hours music core.

B. Eleven semester hours classroom music courses (see list following B.M. requirements).

\*The s in Piano Levels indicates that the curriculum in these levels is designed for secondary piano students.

## CLASSROOM MUSIC COURSES

Classroom music hours may be selected from the following:

MUS 1331	Introduction to MIDI Applications
MUS 2207	Elementary Composition
MUS 2208	Elementary Composition
MUS 2260	Elementary Conducting
MUS 3137	Keyboard Skills
MUS 3202	Choral Arranging
MUS 3203	Jazz Arranging
MUS 3207	Composition
MUS 3212	String Methods
MUS 3260	Instrumental Conducting
MUS 3261	Choral Conducting
MUS 3270	Children's Music Ministry
MUS 3271	Youth and Adult Music Ministry
MUS 3275	Music Ministry Administration
MUS 3276	Church Choral and Solo Literature
MUS 3277	Instrumental Music in the Church
MUS 3279	Handbell Techniques
MUS 3306	Orchestration
MUS 3307	Intermediate Composition
MUS 3308	Intermediate Composition
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
MUS 3323	History of Jazz
MUS 3350	Vocal Pedagogy
MUS 4171	Issues in Music Ministry
MUS 4203	Electronic Studio
MUS 4204	Advanced Orchestration
MUS 4205	Theoretical Systems
MUS 4210	Organ Methods
MUS 4219	Marching Band/Jazz Pedagogy
MUS 4260	Orchestral Conducting
MUS 4261	Choral Conducting
MUS 4262	Band Conducting
MUS 4273	Worship in the Church

MUS 4274	Congregational Song
MUS 4301	Advanced Analysis
MUS 4304	Counterpoint
MUS 4305	Advanced Counterpoint
MUS 4307	Advanced Composition I
MUS 4308	Advanced Composition II
MUS 4311	Studio Teaching Procedures in Voice
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
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 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. A music student who meets requirements for a provisional teacher's certificate must also meet the requirements for a Bachelor of Music Education degree. 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 from a music education advisor 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 upper level study 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 and will be included in student advisement packets. 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.

No student will be allowed to register for upper division music education courses before the student has been admitted into upper level study 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 2.60 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 3232, MUS 3331, MUS 3334, MUS 3335, MUS 3337, MUS 4230,  
MUS 4F30
- V. Basic requirements ..... 42-50 hrs.
  - A. ENG 1302, 1304, and 2301 ..... 9 hrs.
  - B. HIS 1307 and 2365 ..... 6 hrs.
  - C. PSC 2302 ..... 3 hrs.
  - D. Science with lab: biology, physics, or chemistry ..... 4 hrs.
  - E. MTH 1301 ..... 3 hrs.
  - F. Foreign Language: One language through the 2310 level ..... 3-11 hrs.
  - G. REL 1310 and 1350 ..... 6 hrs.
  - H. Chapel—two semesters..... no credit
  - I. EDP 3326 ..... 3 hrs.
  - J. EDC 3309..... 3 hrs.
  - K. Human Performance (Activity Courses)..... 2 hrs.  
Marching Band may count as HP credit. Marching Band enrollment may not satisfy both HP  
and ensemble requirements in the same semester. Any student enrolled in Marching Band  
for HP credit must also be enrolled in a second ensemble concurrently.
- VI. Professional Education ..... 15 hrs.
  - A. MUS 1330 ..... 3 hrs.
  - B. MUS 4230 ..... 2 hrs.
  - C. MUS 4F30..... 10 hrs.

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

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 major ensemble; enrollment in ensemble in the major performing area required for every term in residence, except during the student teaching semester.
- E. Public performance in area of concentration.

Supportive Courses:

Thirty-one semester hours music core; MUS 1331.

\*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 major ensemble; enrollment in ensemble in the major performing area required for every term in residence, except during the student teaching semester.
- E. Public performance in area of concentration.

Supportive Courses:

Thirty-one semester hours music core; MUS 1331.

\*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

Forty-four semester hours including:

- A. MUS 1216, 2260, 3212, 3260, 3335, 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 major 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. Public performance in area of concentration.

Supportive Courses:

Thirty-one semester hours music core; MUS 1331.

\*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, Wind/Percussion Concentration

Forty-five semester hours including:

- A. MUS 1111, 1112, 1113, 1114, 1115, 1116, 1119, 2260, 3260, 3335, 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 major 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. Public performance in area of concentration.

Supportive Courses:

Thirty-one semester hours music core; MUS 1331.

\*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 minimum twenty-one semester hour requirement listed below:

Music Theory 1301 and 1101 .....	4 hrs.
Must make a grade of "C" or above.	
Music History 3315 .....	3 hrs.
Additional “3000” or “4000” level music courses .....	6 hrs.
Additional electives, selected from music courses .....	8 hrs.
<i>Note: MUS 1100, MUS 1200 and MUS 1220 may not be selected as electives.</i>	
Music 1001, Recital Attendance .....	<u>2 semesters</u>
A minimum of .....	21 sem. hrs.

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 requirement 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 degree.

Music Theory 1301 and 1101 .....	4 hrs.
Must make a grade of "C" or above.	
Music History 3315 .....	3 hrs.
Applied Music (MUS 11V1; Voice, 2 hrs.; Piano, Level IIs. 2 hrs.).....	4 hrs.
Choral Ensemble (MUS 0100, 0107, 0121, or 0124).....	2 hrs.
Elementary Conducting (MUS 2260).....	2 hrs.
Church Music Courses (MUS 3270 or 3271, 3273, 3274, 3275, 4171).....	9 hrs.
Baylor Association of Church Musicians (MUS 1007) .....	4 semesters
Music 1001, Recital Attendance .....	<u>2 semesters</u>
A minimum of .....	24 sem. hrs.

Requirements for a Bachelor of Arts in Music:

See the Arts and Sciences section of this catalog.

GRADUATE DEGREES IN MUSIC

Graduates of recognized four-year courses leading to a bachelor’s degree in music may become candidates for the Master of Music degree.

Application for admission to graduate study must be filed with the Graduate School. Students desiring to become candidates for the degree must have the equivalent of the undergraduate major in music at Baylor University in the field of concentration in which they wish to continue. Those who lack courses prerequisite to graduate study may make up the undergraduate work, for which graduate credit may be granted, provided the course work is at the "4000" level, carries graduate credit, and is appropriate to the degree program. A grade point average of 3.0 (“B”) in the major field and 2.7 in the total undergraduate record is required.

Applicants for degrees with emphasis in performance, piano pedagogy, collaborative piano, or the performance option of church music must audition (in person or submit a video of a recent performance) with repertoire of at least senior recital level. Applicants for the major in composition must submit a portfolio of recently completed compositions. An example of a recent paper is required of applicants who intend to pursue an emphasis in music history and literature, church music, or music theory. Applicants seeking admission to the conducting program must submit a video of their work.

The Graduate Record Examination General Test is required of applicants in music history and literature and music theory; the GRE is not required of church music, composition, conducting, and music education, performance, collaborative piano, or piano pedagogy and performance majors.

Applicants in music history and literature must possess reading ability in German or French. Students with the major in vocal performance and those in the vocal performance emphasis in church music must demonstrate knowledge of German, French, and Italian diction (knowledge of the International Phonetic Alphabet is necessary). Applicants in collaborative piano must demonstrate diction proficiency in two of the following languages: French, German, and Italian.

### **Special Requirements for Master's Degrees**

The normal time for completion of the requirements for the degree ranges from two semesters and a summer to four semesters. No correspondence work may be counted for graduate credit.

Membership in an ensemble is required throughout the term of residence.

All candidates for a master's degree must pass a comprehensive oral examination.

The Master of Music degree is offered in the School of Music with majors in church music, composition, conducting, music history and literature, music theory, music education, performance, collaborative piano, and piano pedagogy and performance.

The joint Master of Divinity and Master of Church Music degree program is available to students who wish to pursue the two degree programs simultaneously. Students seeking admission to the joint degree program will be required to fulfill admission requirements to the George W. Truett Theological Seminary, the Graduate School, and the School of Music. Students must apply and be admitted to each of the programs.

The Advanced Performers Certificate (a non-degree program) in Piano or Organ is intended for the student who demonstrates the potential to establish a career as a performing artist. The requirements for the Advanced Performers Certificate are designed for students who have demonstrated the ability to perform advanced repertoire and whose artistic communication and technical mastery of major repertoire for the instrument are unusually strong.

Refer to the Graduate School Catalog for specific requirements for all master's degree programs.





# **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 School of Nursing became one of the six, degree-granting schools of Baylor University in 1950 and the first Bachelor of Science in Nursing degrees were awarded in 1954, making Louise Herrington School of Nursing one of the oldest baccalaureate nursing programs in the United States.

The Louise Herrington School of Nursing is accredited by the Commission on Collegiate Nursing Education and by the Texas Board of Nursing. A graduate of the program is academically qualified to write the National Licensing Examination (NCLEX) 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, which is housed in the Harry W. Bass Academic Center, is located on the Baylor University Dallas campus a few blocks northeast of downtown Dallas.

There are approximately 280 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.

## SCHOOL OF NURSING FACULTY AND STAFF

Shelley F. Conroy, Ed.D.	.....	Dean
Mary C. Brucker, Ph.D.	.....	Associate Dean and Graduate Program Director
Catherine Rosser, Ed.D.	.....	Undergraduate Program Director
Susan Gerding Bader, M.L.S., A.H.I.P.	.....	Director of the Learning Resources Center
Cameron L. Armstrong, M.S.	.....	Director of Student Initiatives

### FACULTY

Claudia C. Beal, PhD.	Lynne S. Mann, M.S.N.	Jane Price, M.S.N.
Karen A. Bufton, M.S.N.	Melissa M. Neathery, M.S.N.	Cheryl A. Riley, M.S.N.
Barbara S. Devitt, M.S.N.	Jane B. Nunnelee, Ph.D.	Bonnie Savoldi, M.S.
Marsha A. Dougherty, M.S.N.	Kathryn A. Osteen, M.S.N.	Becky S. Spencer, Ph.D.
Mary Ann Faucher, Ph.D.	Lisa M. Otto, M.S.N.	Lori A. Spies, M.S.
Vivian C. Gamblian, M.S.N.	John A. Paschal, M.S.N.	Valerie Trousdale, M.S.N.
Marilyn S. Hightower, M.S.	Leslie K. Payne, Ph.D.	Cheryl A. Tucker, M.S.N.
Karen S. Holub, M.S.	Lynda M. Pesta, M.S.	Cindy A. Tynes, M.S.N.
Carol J. Johns, M.S.N.	Rebecca A. Phillips, Ph.D.	Kathryn G. Voreis, M.S.N.
Nan Ketcham, M.S.N.	Linda S. Plank, Ph.D.	
Judy Wright Lott, D.S.N.	Lyn Prater, Ph.D.	

### EMERITUS FACULTY

Elizabeth A. Farren, Ph.D.	Phyllis S. Karns, Ph.D.
Linda F. Garner, Ph.D.	Alice B. Pappas, Ph.D.
Sandra J. Genrich, Ph.D.	Martha Sanford, Ph.D.
Johanna Guenther, Ph.D.	Carey Ann Smith, M.S.N.
Pauline T. Johnson, Ph.D.	Frances Snow, M.S.N.

### ACADEMIC PROFESSIONAL

Jean Hillyer, M.L.S., Assistant Director, Learning Resource Center

**STAFF PERSONNEL**

Randy L. Adams, B.A.A.S., Technology Support Manager  
Jennifer Brovont, Administrative Associate–Student Services  
Elizabeth Calverley, LRC Library Associate  
Jeanne M. Carey, Lab Coordinator  
Wendy Craver, Office Manager - Academic Affairs  
Tina Glaspie, M.S.Ed., Academic Support Specialist–FastBacc  
Carolyn Hatfield, B.S., Administrative Associate to Faculty  
Diana Henson, Academic Support Specialists–Academic Affairs  
David Kemerling, M.Div., Director of Student Ministries  
Diana Kohler, B.S.N., Academic Support Specialists–PreNursing  
Janis Kovar, Development Coordinator  
Beverly Kurfees, Academic Support Specialists–Graduate Program  
Debra Milam, Office Manager–Student Services  
Trent Morelock, M.Ed., Senior Academic Consultant  
Erin R. Mulvey, M.S., Academic Support Specialist–Student Services  
Jeanny A. Powell, B.A., Academic Support Specialists–Student Services  
Becky Robbins, M.Ed., Manager of Business and Fiscal Operations  
Desrick S. Shelton, B.B.A., Senior Academic Consultant  
Michael D. Troutt, B.S.N, Senior Academic Consultant–SIM Lab  
Endalkachew Tulu, B.A., Financial Aid Coordinator  
Stephanie Willey, Assistant to the Dean  
Victoria Valerio, Administrative Associate–Academic Affairs

**PROGRAM OVERVIEW**

The Louise Herrington School of Nursing offers two pathways to the Bachelor of Science in Nursing (BSN) Degree.

- **Traditional Program**

This program (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 Program**

This program is an academically rigorous 12 month accelerated program designed for individuals desiring a career change who have completed a bachelor's degree in a non-nursing discipline.

## ADMISSION

**MINIMUM REQUIREMENTS.** Students are officially admitted to the **Traditional Program** in the fall and spring semesters each year. Students are admitted into the **FastBacc Program** each summer. Both programs require that students have completed the following requirements:

1. Admission to Baylor University or a Baylor University student in good standing.
2. Formal application to the School of Nursing is required. Application packets, including both University and School of Nursing applications are available on the School of Nursing Website. Application deadlines for the Traditional Program are January 15 for fall admission and May 1 for spring admission. The deadline for FastBacc Program admission is November 1.
3. Pre-requisite courses must be completed prior to beginning the nursing program. Exceptions and a plan of study must be approved by School of Nursing administration. See the Sample Curriculums for the Traditional and FastBacc programs at the end of the nursing section for all course requirements.
4. A minimum grade of "C" in each prerequisite course is required. Preference for admission will be given to students who have achieved a cumulative 3.0 or higher grade point average on all completed prerequisite courses. Admission is competitive and not guaranteed.
5. Students who complete their required science courses at Baylor University will receive a 0.025 GPA increase for each science course. This adjustment is for School of Nursing admission purposes **only and does not affect official GPA.**
6. 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.
7. A student desiring to transfer into the Traditional Program will be required to provide a letter of good standing from the former baccalaureate school of nursing in situations where nursing credits have been earned. A maximum of nine (9) semester hours of advanced credit in nursing may be approved by the Undergraduate Program Director for transfer from an accredited baccalaureate nursing program. Regardless of the number of credit hours accepted for transfer, the 60 hour residency requirement must be met.
8. Nursing applicants will be required to take the designated nurse admission examination as part of the application process. There is a fee associated with the required testing.
9. Students who have acquired English as a foreign language will be required to take the Test of English as a Foreign Language (TOEFL). Minimum scores for admission consideration: Paper Based Test - 560, Computer Based Test - 220, Internet Based Test (iBT) - 83.
10. All students beginning the nursing major will pass a criminal background check and drug screening prior to beginning the nursing program. Students who have a felony conviction or a positive drug screen will not be allowed to attend clinical courses. The inability to participate in a clinical course will prevent students from progressing in the major.

For additional information regarding admission to the School of Nursing, contact:

### **Dallas Campus**

Louise Herrington School of Nursing  
Student Services  
3700 Worth Street  
Dallas, TX 75246  
Phone: 214-820-4146  
Fax: 214-820-3835

### **Waco Campus**

Louise Herrington School of Nursing  
Pre-Nursing Office  
One Bear Place #97033  
Waco, TX 76798-7033  
Phone: 254-710-2407 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 merit-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**

The Abell-Hanger Foundation Scholarship  
The Dr. William P. Ball Scholarship  
The Bledsoe-Brantley Scholarship  
The Olive L. Boggs Scholarship  
The Centex Baylor Nursing Alumni Association Scholarship  
The Ruth Dillbeck Nursing Scholarship  
The Lena Kohler Gaines Memorial Scholarship  
The Dr. Lorraine M. Gentner Scholarship  
The Meda and A. A. Grusendorf Scholarship  
The Ethel Kern Memorial Scholarship  
The Nursing School Scholarship Fund  
The Imogene Smith Scholarship  
The Lillian Moore Turner Scholarship  
The Louise Janney Wade Scholarship  
The Donald H. Wills Scholarship  
The Weba C. Ferguson Scholarship  
The Elline Rouse Memorial Scholarship  
The Reba Landers Endowed Nursing Scholarship  
The Louise J. Ross Scholarship  
The Daisy N. Parsons Scholarship  
The Merle and Leroy Weir Scholarship  
The Cullen Trust Nursing Scholarship Fund  
The Virginia Smith Wilks/Six Smith Sisters Scholarship  
The Patricia Ann Johnston Memorial Scholarship  
The Zora Fiedler Nursing Scholarship  
The Hattie Bartee Memorial Scholarship  
The Patricia Hooper Nursing Scholarship  
The Frances E. Snow Scholarship  
The Amy Chesnutt Memorial Scholarship  
The Laura Dunham Shook Scholarship  
The Mary Ellen Johnston Endowed Nursing Scholarship  
The Carl and Cynthia Campo Scholarship  
The Louise Herrington Nursing Scholarship  
The Clara Lisa Ross and Courtney Lee Ross Endowed Scholarship  
The Don and Ruth Buchholz Scholarship  
The Ornelas Scholarship Fund  
The Kenneth Wayne Pittman Endowed Scholarship Fund  
The Jean Ellen Jones Key Endowed Scholarship  
The Trish Ring Memorial Endowed Scholarship  
The Bruce McMillan Memorial Endowed Scholarship  
The Maxine Bozeman Dunn Scholarship  
The Linda Shafer Gilbert and Sandra Shafer Oliver Endowed Scholarship  
May Marr Scholarship  
William & Majory Leslie Scholarship  
Lila Smith Cox Scholarship  
Welby & Eva Carlock Nursing Scholarship

Elizabeth Locke Nursing Scholarships  
Florence Piper and James Thieme Nursing Scholarship  
Good Samaritan Endowed Scholarship Fund in Nursing Honoring Gaye and  
Bob Roberts, Sr. Christian Foundations of Faith, Inc.  
Louise Herrington School of Nursing Alumni Endowed Scholarship Fund  
Welby and Eva Dodson Carlock/Louise Herrington School of Nursing Endowed Scholarship Fund  
Elizabeth Locke Endowed Scholarship Fund in Nursing  
Florence Piper and James D. Thieme Endowed Fund/Louise Herrington School of Nursing  
Curt and Donna Dee Floyd Endowed Scholarship Fund in Nursing  
Jay and Jenny Allison Endowed Scholarship Fund in Nursing  
Barnabas Endowed Scholarship Fund in Nursing  
Helene Fuld Health Trust Scholarship Fund for Baccalaureate Nursing Students  
at the Baylor University Louise Herrington School of Nursing  
Paul Earl Reinhart Memorial Endowed Scholarship Fund in Nursing  
Harris and Anne Clark Endowed Scholarship Fund in Nursing  
Teresa McMorro Endowed Scholarship Fund in Nursing  
Louise Herrington School of Nursing Dean's Board Endowed Scholarship Fund in Nursing  
Honoring Dean Judy Wright Lott  
John Wesley and Doris Elizabeth Bruce Wood Endowed Scholarship Fund in Nursing  
Hugh E. Yates Endowed Academic Scholarship Fund in Nursing  
Daisy N. Parsons Scholarship Fund  
Leroy and Merle Weir Scholarship Fund

#### **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.

#### **BAPTIST STUDENT MINISTRIES**

The Baptist Student Ministries Office (BSM) provides a broad base of religious and social activities for students on the **Dallas** campus. Activities include Bible studies, local mission opportunities, retreats, and domestic and international mission trips.

The BSM is committed to providing a well-balanced program of ministry opportunities for all students on the **Dallas** campus. Recreational activities are planned for all students around cultural and sports events in the metroplex area. Medical missions experiences are also provided for interested students.

#### **PROFESSIONAL ORGANIZATIONS**

All students enrolled in nursing courses are eligible for membership in the Baylor Nursing Students Association, an affiliate of the national and state Nursing Students Associations.

The School sponsors the Eta Gamma chapter of Sigma Theta Tau, the national nursing honor society. Qualified students are considered for membership in Sigma Theta Tau after completion of at least one-half of the requirements in the major. Information, qualifications, and application forms for any of the student organizations are available in the Office of Student Services at the school.

## HEALTH SERVICES

Due to the health risks associated with being in the health care profession, it is required that **ALL** students in the School of Nursing have their own personal health insurance coverage. The student is responsible for health care costs incurred while a student at Baylor. Students do have access to the Baylor University Medical Center Employee Health Center for minor health problems. The students are responsible for prescribed medications, tests, and other treatment costs.

## TOM LANDRY CENTER

Located on the campus of Baylor University Medical Center, the Landry Center provides a comprehensive fitness facility for students. Students taking a minimum of twelve semester hours are given complimentary membership which entitles them to use this facility free of charge during certain regulated hours of operation.

## ADVISEMENT

The Pre-nursing Coordinator on the **Waco** campus serves as program advisor to all students enrolled at Baylor as pre-nursing majors. The academic advisor on the Dallas campus serves as program advisor to all transferring students.

The Undergraduate Program Director of the School of Nursing serves as the academic adviser to all students needing individualized programs.

## MABEL PETERS CARUTH LEARNING RESOURCE CENTER

Located on the Dallas Campus, the Learning Resource Center houses over 5,000 volumes and receives more than 100 nursing journal titles in print or electronic format, with online access to all of Baylor University's Waco campus electronic resources. LRC resources include citation, full text, and drug information databases, research assistance, e-books, reserves, printers and a photocopier, audiovisuals and viewing stations with large screen monitors, student e-mail and Internet access, models and clinical equipment for checkout. The computer lab and adjacent study room with white boards have 24/7 access.

## THE BARNABAS SUCCESS CENTER

The Barnabas 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 Barnabas 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 also coordinates tutoring for nursing students.

The Barnabas Success Center also offers career services including resume review, mock interviews and interviewing tips. Special workshops and presentation are offered each semester, and topics include: financial literacy; learning styles; keeping mental, emotional and spiritual balance while in school; wellness; goal setting; and keeping creativity alive.

## PARTNERSHIP HOUSING

This partnership is between Baylor Health Care System (BHCS) and the Marquis Apartments in cooperation with Baylor University. The partnership is not part with Baylor University Housing, and all billing is done through BHCS. Apartments are all bills paid, double occupancy and fully furnished. The units feature a common living area, dining area, kitchen, two bedrooms and two baths. Furnishings include beds, couches, washer and dryer, and television. Single occupancy is offered for an increased cost on a space available basis.

## DINING

Basic kitchen facilities are available in the Harry Bass Hall Student Lounge as well as food and beverage Vending machines. A variety of public restaurants are located within the immediate vicinity of the campus. Students receive a discount on meals purchased at the Baylor University Medical Center (BUMC) Cafeteria when they present their BUMC ID, however BearBucks™ are not accepted in the Dallas area.



## **PARKING**

Parking on the Dallas Campus is by permit only through the Baylor University Medical Campus (BUMC) Department of Public Safety. Parking stickers may be purchased annually for \$50, and provide access to designated lots. Baylor Police patrol the BUMC campus and provide building security. A security escort is available to students upon request. The Public Safety Department has installed emergency call boxes at a variety of locations within and around the perimeter of the medical center.

Parking Services also requires that students wear an ID Badge while on the BUMC campus. There is no fee for the ID badge, although a \$25 fee will be charged for lost or damaged ID's. Parking violations that have not been resolved with the BUMC Department of Public Safety will affect your ability to graduate.

## **FACILITIES FOR LABORATORY EXPERIENCES**

The Baylor University Medical Center provides the primary acute-care facility for clinical teaching and research for the School of Nursing. The Medical Center has the distinction of being the second largest church-related medical center in the United States. Facilities for clinical experiences are also provided by several other area hospitals and by a variety of community health care agencies located in or near the City of **Dallas**.

## **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.

# **ACADEMIC POLICIES AND PROCEDURES**

**PROGRESSION IN THE MAJOR** toward an **anticipated** date of graduation is contingent upon successful completion, with a grade of "C" or above, of 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" 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 one or more courses and who must, therefore, delay progressing to more advanced courses in the curriculum, will not be able to complete all course requirements to graduate with the "class" with which the student began the major.

## **COURSE REPETITION IN THE NURSING MAJOR**

A grade of "C" is required for progression in the nursing major. If a student does not achieve a grade of "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 is allowed to repeat a nursing course only one time and can only repeat two courses in order to continue in the major. Furthermore, a student who has failed the same course twice or has failed two clinical courses will not be eligible to continue in the major. The student may, however, be eligible to continue studies in another major in 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 Academic Policies/ Admissions 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 in addition to documentation that 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 Undergraduate Program Director to develop a degree plan for continuation in the major.

**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.

**PSYCHIATRIC, CHEMICAL DEPENDENCY POLICY**

The School of Nursing enforces a “drug free” policy. Students exhibiting behavior which suggests impairment related to drugs and/or alcohol will be subject to a mandatory psychiatric and chemical dependence assessment. Such behavior may be observed in clinical, in campus lab, or in classrooms. Questionable behaviors that suggest impairment related to drugs and/or alcohol in any of the professional activities related to education (class, lab, clinical) put clients at risk for unsafe care. Assistance will be provided to students seeking help for psychiatric or chemical dependency problems. A student who tests positive for drugs or alcohol must participate in a recognized chemical dependence program in order to continue in the School of Nursing. Continuance in or re-admission to nursing courses will be evaluated on an individual basis, but must include monitoring of satisfactory progress in the rehabilitation program.

**BASIC CARDIAC LIFE SUPPORT CERTIFICATION**

Students must be certified/recertified in the American Heart Association (AHA) Basic Life Support Course C (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. CPR certification must be American Heart Association (AHA) Basic Life Support Course C (BCLS). 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. 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 Varicella titer confirming immunity may be substituted for proof of Varicella immunization. No student will be allowed in the clinical setting until fulfillment of this requirement is documented.

**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 allergy. Students are advised to discuss this 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 the 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 20 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.

**REQUIREMENTS FOR GRADUATION**

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.

Graduation exercises are held on the Waco campus in May, August, and December. Graduates are expected to attend their commencement exercises. Diplomas are dated and available only as of the official closing date of a semester or full summer session.

## **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) and an application to the Board of Nursing in the state in which they are seeking licensure. There is a fee for the NCLEX application and for licensure by the various state boards. (Board application fees vary by state.) The Student Services 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 State Board 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 Board of Nursing for the State of Texas: <http://www.bon.state.tx.us/>.

## 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 is best achieved 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 the master's 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.

**OBJECTIVES**

The curriculum is designed to provide learning experiences that will prepare the graduates to:

1. Practice as a professional nurse to facilitate human need fulfillment of individuals, families, groups, communities, and/or society.
2. Provide nursing care which reflects consideration of the worth, dignity, and value of each person as a unique individual.
3. Integrate contemporary knowledge from the humanities, physical and behavioral sciences in professional nursing practice.
4. Utilize nursing theory and research as a basis for professional nursing practice.
5. Demonstrate responsibility and accountability in nursing practice.
6. Participate in identifying and effecting needed change to improve health care delivery for individuals, groups, communities, and society within a variety of settings.
7. Participate in the delivery of interdisciplinary health care through consultation, collaboration, and coordination.
8. Demonstrate responsibility for personal and professional growth and advancement of the profession.

**BACHELOR OF SCIENCE IN NURSING  
DEGREE REQUIREMENTS**

Prerequisite Courses Required for Admission to the Nursing Major  
(Traditional Program and FastBacc Programs)

	sem. hrs.
<b>GENERAL EDUCATION ELECTIVES<sup>1</sup></b> .....	<b>6</b>
<b>HUMANITIES</b> .....	<b>23</b>
English Composition.....	6
Literature <sup>2</sup> .....	3
Religion <sup>3</sup> .....	6
Foreign Language <sup>4</sup> .....	8
<b>NATURAL SCIENCE AND MATHEMATICS</b> .....	<b>22</b>
Anatomy and Physiology I and II with labs.....	8
Chemistry.....	4
Microbiology or Bacteriology with Laboratory.....	4
Nutrition.....	3
Statistics <sup>5</sup> .....	3
<b>SOCIAL SCIENCES</b> .....	<b>15</b>
American Constitutional Development <sup>6</sup> .....	3
General or Introductory Psychology.....	3
History <sup>7</sup> .....	3
Human Growth and Development <sup>8</sup> .....	3
Introductory Sociology .....	3
<b>Total Prerequisite Hours</b> .....	<b>66</b>

NURSING

<sup>1</sup> Students are responsible for completion of approved general education courses before they arrive in Dallas. The School assumes no responsibility for circumstances beyond its control in students following through with their commitment.

<sup>2</sup> May be met by a course in British, American, or World Literature, or by an upper-level (that is, above the intermediate level) literature course in modern foreign languages or in classical languages.

<sup>3</sup> The courses in religion must be “The Christian Scriptures” and “The Christian Heritage.”

<sup>4</sup> Spanish language is strongly recommended because of the demographics of the area.

<sup>5</sup> May be in a discipline other than mathematics if the course is judged as equivalent to STA 1380 at Baylor.

<sup>6</sup> Students transferring to Baylor who wish to fulfill this requirement before admission to Baylor must take six semester hours of American Government.

<sup>7</sup> Must be a course in World History, Western Civilization, a survey course in American History, or History of the American Woman.

<sup>8</sup> Course must cover entire life span.

## SAMPLE CURRICULUM PLAN—Traditional Program

### PRENURSING—WACO CAMPUS

#### FRESHMAN YEAR

First Semester	sem. hrs.	Second Semester	sem. hrs.
ENG 1302 Thinking and Writing	3	ENG 1304 Thinking, Writing and Research <sup>1,2</sup>	3
CHE 1300 General Chemistry	3	BIO 2401 Anatomy and Physiology I	4
CHE 1100 Intro. Chemistry Laboratory	1	PSY 1305 Introductory Psychology <sup>1</sup>	3
REL 1310 The Christian Scriptures <sup>3</sup>	3	History Elective <sup>1,3</sup>	3
SOC 1305 Introduction to Sociology <sup>1</sup>	3	Foreign Language <sup>4</sup>	4
Elective	3	Chapel*	
Chapel*			
	16		17

\*Waco campus students only.

#### SOPHOMORE YEAR

Third Semester	sem. hrs.	Fourth Semester	sem. hrs.
Literature Elective <sup>1,3</sup>	3	STA 1380 Statistics	3
BIO 2402 Anatomy and Physiology II	4	BIO 1402 Microbiology	4
REL 1350 Christian Heritage <sup>3</sup>	3	PSC 2302 American Constitutional Development <sup>1,6</sup>	3
FCS 2351 Nutrition	3	PSY 3341 A Survey of Human Growth and Development <sup>7</sup>	3
Foreign Language <sup>4</sup>	4	Elective	3
	17		16

### NURSING MAJOR—DALLAS CAMPUS

#### JUNIOR YEAR

First Semester	sem. hrs.	Second Semester	sem. hrs.
NUR 3310 Professional Development: Foundations	3	NUR 3324 The Maturing Family	3
NUR 3314 Health Assessment	3	NUR 3339 The Childbearing Family	3
NUR 3420 Pathophysiology & Pharmacology	4	NUR 3421 Pathophysiology & Pharmacology II	4
NUR 3316 Human Needs I	3	NUR 3317 Human Needs II	3
NUR 3414 Professional Nursing Practice I	4	NUR 3425 Profession Nursing Practice II	4
	17		17

#### SENIOR YEAR

Third Semester	sem. hrs.	Fourth Semester	sem. hrs.
NUR 4339 The Childrearing Family	3	NUR 4335 Clinical Internship	3
NUR 4351 Professional Development: A Consumer of Research	3	NUR 4341 Professional Development Management & Leadership	3
NUR 4353 Community and Culture	3	NUR 4338 Human Needs IV	3
NUR 4328 Human Needs III	3	NUR 4345 Professional Nursing Practice IV	3
NUR 4435 Professional Nursing Practice III	4	NUR Elective - see catalog for listings	3
	16		15

<sup>1</sup> Baylor Interdisciplinary Core (BIC) courses provide an alternative way to fulfill the requirements for these courses.

<sup>2</sup> ENG 3300 may be substituted for this course.

<sup>3</sup> Must be a course in World History, Western Civilization, a survey course in American History, or History of the American Woman.

<sup>4</sup> Spanish is strongly recommended.

<sup>5</sup> May be met by a course in English, American, or World Literature, or by an upper-level (above intermediate level) literature course in modern foreign languages or in classical languages.

<sup>6</sup> Students transferring to Baylor who wish to fulfill this requirement before admission to Baylor must take six semester hours of American Government.

<sup>7</sup> Course must cover entire life span.

**Requirements for Graduation—Traditional Program**

1. Successful completion of 131 semester hours and the prescribed curriculum for the Bachelor of Science in Nursing Degree.
2. Overall grade point average of 2.0 on all work completed at Baylor and a grade of “C” in all prerequisite lower-division courses and courses in the major.
3. Completion of a minimum of sixty residence hours at Baylor including the last thirty hours prior to graduation.

**SAMPLE CURRICULUM PLAN—FastBacc Program**

SUMMER TERM MINIMESTER	
Course	Cr. hrs.
NUR 3310 Professional Development: Foundations	3
NUR 3314 Health Assessment	<u>3</u>
	6

SUMMER SEMESTER 1 AND 2	
NUR 3316 Human Needs I	3
NUR 3414 Professional Nursing Practice I	4
NUR 3420 Pathophysiology & Pharmacology I	4
NUR 3324 Maturing Family (Geriatrics)	<u>3</u>
	14

FALL SEMESTER	
NUR 3421 Pathophysiology & Pharmacology II	4
NUR 3317 Human Needs II	3
NUR 3426 Professional Nursing Practice II FB	4
NUR 4328 Human Needs III	3
NUR 4353 Community & Culture	3
NUR 4345 Professional Nursing Practice IV	3
NUR 4351 Professional Development Consumer of Research	<u>3</u>
	23

SPRING SEMESTER	
NUR 3339 The Childrearing Family	3
NUR 4339 The Childrearing Family	3
NUR 4436 Professional Nursing Practice III FB	4
NUR 4338 Human Needs IV	3
NUR 4335 Clinical Internships	3
NUR 4341 Professional Development Management & Leadership	<u>3</u>
	19

**Requirements for Graduation—FastBacc Program**

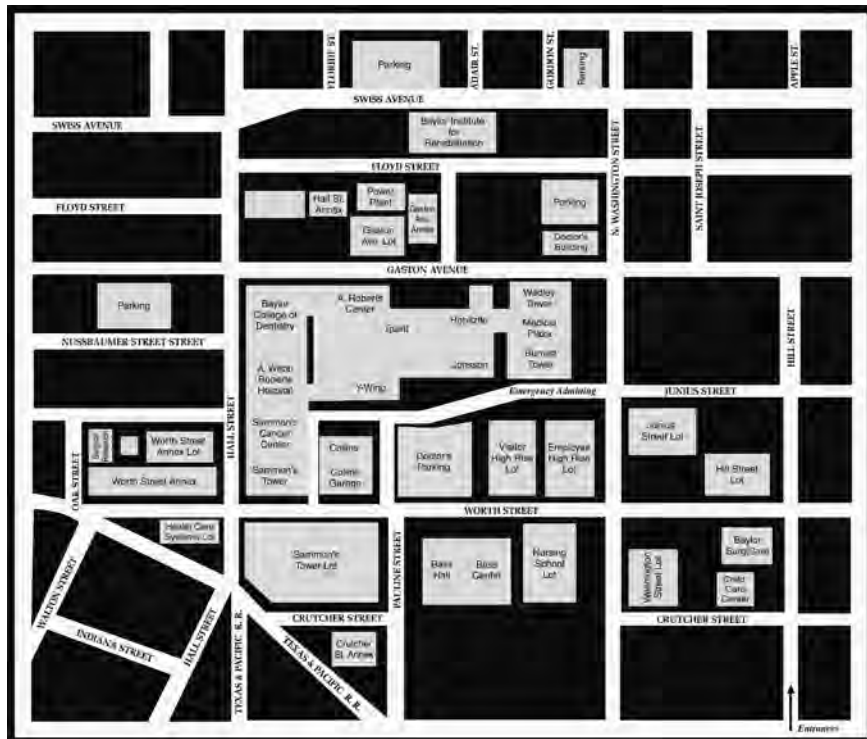
1. Successful completion of 62 semester hours and the prescribed curriculum for the Bachelor of Science in Nursing Degree.
2. Overall grade point average of 2.0 on all work completed at Baylor and a grade of “C” in all prerequisites lower-division courses and courses in the major.
3. Completion of a minimum of sixty residence hours at Baylor including the last thirty hours prior to graduation.



**SUMMER CLASSES**

**A selected number of courses in the major may be offered each summer. The particular courses offered, as well as the number of sections in each course, vary from summer to summer. No course will be offered in which less than ten students are registered.**

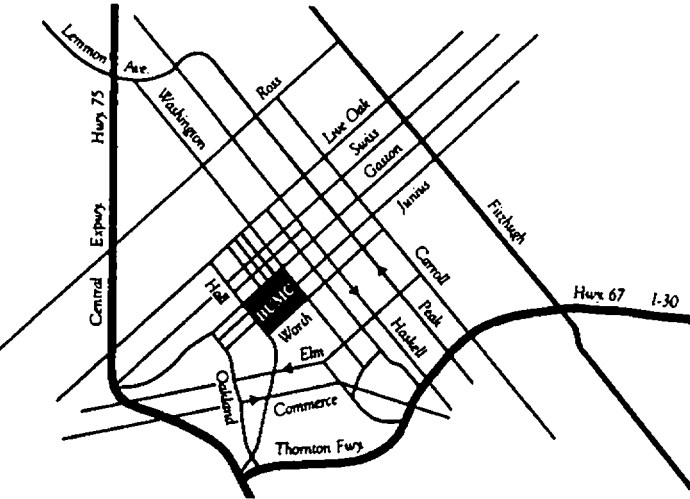
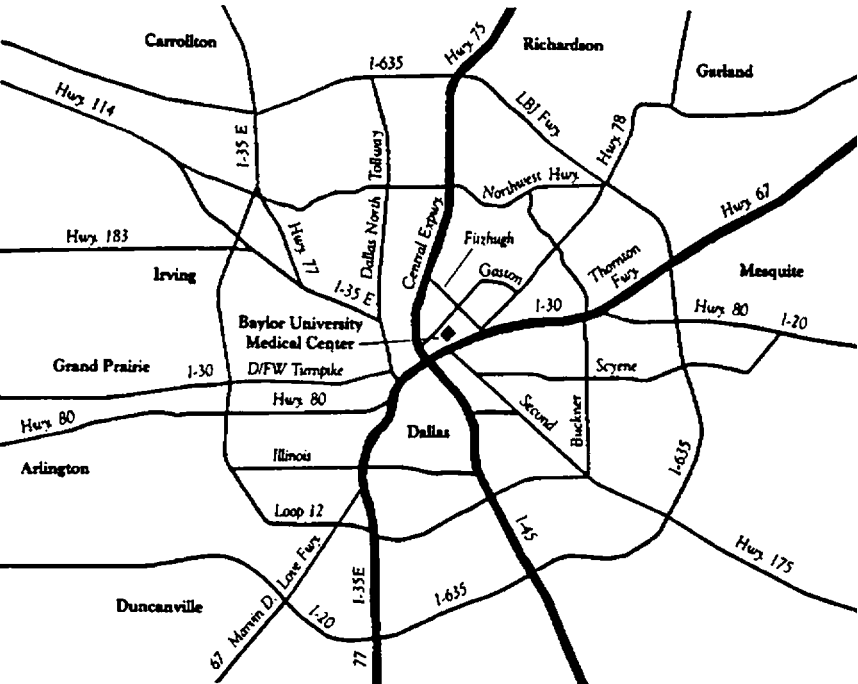
BAYLOR UNIVERSITY  
MEDICAL CENTER CAMPUS



# NURSING

Baylor University Medical Center is located east of downtown Dallas at 3500 Gaston Avenue, between Hall and Washington Streets approximately two miles northwest of Interstate 30, from the Peak or Carroll Street exits. For information on how to get to Baylor, please call 214-820-2192 and a volunteer will be happy to provide you with instructions.

**Louise Herrington School of Nursing**  
**3700 Worth Street**  
**Dallas, TX 75246**  
**Phone: 214-820-3361**  
**Fax: 214-820-3835**  
**E-Mail: BU\_Nursing@baylor.edu**



# 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 and Sciences. In September 2004, the School of Social Work was granted independent status.

### MISSION

The mission of the Baylor University School of Social Work is preparing 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 Baylor University 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; and
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 well being of persons, 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 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 merit-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 School of Social Work. The School of Social work has limited scholarship funds available for students who have been admitted in the major and who have proven their commitment by posting good grades and taken at least two courses in the major. The following scholarships are awarded on an annual basis. Scholarships are awarded based on need and merit. Need is determined through the Office of Financial Aid and the student completing a FAFSA. Applications are due each spring on April 1st for the upcoming academic year and can be found at [http://www.baylor.edu/social\\_work/index.php?id=66473](http://www.baylor.edu/social_work/index.php?id=66473).

#### The Helen Louise McCullough Endowed Scholarship Fund for Social Work

The Baylor University Helen Louise McCullough Endowed Scholarship Fund provides assistance for worthy baccalaureate students pursuing a career in social work. The scholarship is awarded on the basis of merit and/or need, with need being the primary consideration.

#### Andrea Dunn-Theilengerdes Memorial Endowed Scholarship

The Andrea Dunn-Theilengerdes Memorial Endowed Scholarship awards scholarships to junior or senior baccalaureate students who are pursuing a degree in social work. It was established to honor a longtime social worker and beloved field supervisor in the School of Social Work.

#### Adam Smith and Tiffani Smith-Conway Endowed Scholarship Fund

The Adam Smith and Tiffani Smith-Conway Endowed Scholarship Fund awards scholarships to baccalaureate students pursuing a career in social work. The scholarship is awarded on the basis of merit and/or need.

#### Caitlin Elizabeth Creed Memorial Endowed Scholarship

The Caitlin Elizabeth Creed Memorial Endowed Scholarship was established by Brad and Kathy Creed in loving memory of their daughter, Caitlin, who was tragically killed in an automobile accident in 2007 during her freshman year at Baylor. Scholarships are awarded to deserving baccalaureate students who are pursuing a major in social work and who reflect the values of Christian service, hard work, leadership potential, and enthusiasm for life that were reflected in Caitlin's life.

#### David and Elizabeth Anderson Endowed Scholarship

The David and Elizabeth Anderson Endowed Scholarship Fund provides assistance to undergraduate students who are pursuing a major in social work with the intent to pursue a ministry vocation in the field of social work. The scholarship is awarded on the basis of merit and/or need.

#### Ed and Laura Vick Endowed Scholarship

The Ed and Laura Vick Endowed Scholarship Fund provides assistance to undergraduate students who are pursuing a major in social work and are committed to vocational service that integrates Christian faith and social work practice.

#### Gene Thompson Memorial Endowed Scholarship

The Gene Thompson Memorial Endowed Scholarship was established in memory of the long-time associate pastor at Broadway Baptist Church in Fort Worth, Texas, by friends of Gene and Rosemary Thompson. Rev. Thompson was instrumental in the church's development of innovative, compassionate ministries among the poor, underemployed, homeless and other disadvantaged persons. The fund provides assistance to deserving baccalaureate students who are pursuing a major in social work.

#### Kathleen and Eddie Yancey Endowed Scholarship

The Kathleen and Eddie Yancey Endowed Scholarship Fund awards scholarships to baccalaureate students who are pursuing a degree in social work and planning a career for missions or full-time ministry in the United States. The scholarship is awarded on the basis of merit and need with primary emphasis given to need.

#### Madalene Cain Social Work Endowed Scholarship

The Madalene Cain Social Work Endowed Scholarship is awarded to undergraduate students who are pursuing a degree in social work. The scholarship is awarded on the basis of need and merit.

#### Mark and Holly Trice Endowed Scholarship

The Mark and Holly Trice Endowed Scholarship is awarded on the basis of merit and/or need to provide assistance to deserving baccalaureate students who plan to pursue a career in social work. The scholarship was established by Baylor alumni Mark and Holly Trice.

#### Marshall and Joan Anderson Endowed Scholarship

The Marshall and Joan Anderson Endowed Scholarship Fund is awarded to undergraduate students who are pursuing a degree in social work with intent to pursue a ministry vocation in the field of social work. The scholarship is awarded on the basis of merit and need.

#### Matthew 6 Foundation Endowed Scholarship

The Matthew 6 Foundation Endowed Scholarship Fund is awarded to undergraduate students who are pursuing a degree in social work. The scholarship is awarded on the basis of merit and need with the primary emphasis given to need.

#### Minette D. and William M. Pratt Endowed Scholarship

The Minette D. and William M. Pratt Endowed Scholarship was established by William M. Pratt of Fort Worth, Texas, in honor of his wife, Minette D. Pratt. Mrs. Pratt is a 1951 Baylor alumna who has been a respected leader for many years in national Baptist life and Baylor University. This scholarship provides assistance to deserving baccalaureate students who are pursuing a major in social work.

#### Robert and Martha Guthrie Endowed Scholarship

The Robert and Martha Guthrie Endowed Scholarship Fund is awarded to students who are pursuing a degree in social work with an emphasis on gerontological studies. Students must have completed their first year and have a minimum overall GPA of 3.0.

#### Willis Family Social Work Endowed Scholarship

The Willis Family Endowed Scholarship Fund is awarded to students who are pursuing a degree in social work. This scholarship is awarded on the basis of merit and need.

### STUDENT ORGANIZATIONS

#### Phi Alpha

Phi Alpha is a national honor society for professional social work. The organization's purpose is to advance excellence in social work practice and to encourage, stimulate, and maintain scholarship of individual members. Membership requires junior status, nine hours of social work, and a 3.0 overall GPA, and a 3.75 GPA in the major. The Alpha Iota Chapter was chartered at Baylor in 1978.

#### Social Work Student Association

The School encourages social work students to participate in the Baylor Social Work 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 SSW committees, coordinate their interests, and act cooperatively in 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 students who have completed fewer than 30 semester hours are advised in the Office of Academic Advisement. Pre-social work and Social Work students who have completed 30 semester hours or more will be advised in the Baccalaureated Program Office in the School of Social Work.

## APPLICATION FOR ADMISSION

Students wishing to pursue the Bachelor of Social Work (BSW) degree must apply for admission to the major. This application process is normally initiated in the "Introduction to Social Work" course (SWO 2321). Students who transfer to Baylor University having already completed the Introduction to Social Work course should discuss application for admission to the program with their advisor or the Director of Recruitment and Career Services. Admission is competitive and achievement of minimum standards does not guarantee acceptance to the major.

Admission to the Major requires, at minimum:

1. 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.
2. Completion of SWO 2321 with a minimum grade of "C" in the course. It is recommended that SWO 2321 be taken in the Sophomore year.
3. A written application demonstrating a commitment to social work values and the profession. The application is provided in SWO 2321. Applications are due in the Spring semester of the Sophomore year; a due date for the application will be provided during the course.
4. An essay comparing personal and professional values. This essay is written as part of SWO 2321. The content and evaluation of this essay must reflect professional values and be evaluated as "proficient," based on a rubric that includes criteria such as: self-awareness, professional development, ethical decision-making, religious and spiritual reflection.
5. Ability to qualify for state licensure in the State of Texas upon completion of the academic program (i.e., no disqualifying factors) under the Texas Professional Social Worker Act (administered by the Texas State Board of Social Work Examiners).
6. Signed Student Code of Conduct, including affirmation of NASW Code of Ethics of the National Association of Social Workers (provided in SWO 2321).
7. Approval of the School of Social Work Baccalaureate Admissions Committee, which meets each Spring Semester.

The Dean of the School of Social Work appoints an admissions committee that will review applications in the Spring Semester 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 him/her of one of the outcomes stated below.

1. *Admission.*
2. *Not Admitted.*

The decision of the committee will be made on the basis of a simple majority after a review of items 1-7 mentioned above.

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 who are confirmed as "Admitted" when they sign a statement of acceptance which outlines the standards and conditions for maintaining his/her standing in the program. Students must be admitted to the program prior to enrolling in Practice I (SWO3371).



## BACHELOR OF SOCIAL WORK (B.S.W.)

*The Baylor School of Social Work baccalaureate and graduate programs are fully accredited by the Council on Social Work Education.*

### BSW Degree Requirements

Minimum 124 semester hours including the following:

- I. Basic requirements 62-75 hrs.
  - A. ENG 1302, 1304, and 2301, plus one of the following:  
 ENG 2304 or 2306 or 3300 or 3 hours of "2000" level or above GTX..... 12 hrs.
  - B. REL 1310 AND 1350..... 6 hrs.
  - C. MTH 1301, 1304\*, 1321, or STA 1380 3 hrs.  
*\*MTH 1304 is intended only for students who plan to take MTH 1321.*
  - D. Fine Arts..... 4 to 6 hrs.
    1. One course from each of two areas:  
 ART 1300, 2302, or 2303.  
 CLA 3380.  
 FAS 1161, 1126, 1136 (must take all three courses)  
 FCS 3313, 4313.  
 JOU 1303 or FDM 1303. \*  
*\*Credit not allowed for both JOU 1303 and FDM 1303.*  
 MUS 1220, 3322, 3323.  
 CSS 1301, 1302, 1304.  
 THEA 1206, 2374.
    2. Applied courses may not be substituted.
  - E. Foreign Language 3 to 14 hrs.  
 To be fulfilled with one of the following combinations:
    1. Complete one Modern or Classical language through 2320 level.  
 Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, Swahili, and Thai may be used.  
 [1401 (1301) and 1402 (1302)] or 1412, 2310, and 2320.
    2. Complete two Classical languages through 1302 or 1402 level.  
 Two languages from Latin, Greek, and Hebrew may be used. (If available, the following Biblical and Related languages may be used: Akkadian, Aramaic, Syriac, Ugaritic.)  
*\*It is strongly recommended that the language requirement be started during the first year of residence work.*
  - F. Laboratory Science ..... 12 hrs.
    1. Four semester hours from BIO 1401 or BIO 1305-1105.
    2. Four semester hours from: NSC 1306-1106.
    3. Four semester hours from: CHE 1300-1100, or CHE 1301-1101, or CHE 1405, or PHY 1405, 1408, 1420, or 1455.
  - G. History and Social Science ..... 12 hrs.
    1. PSC 2302
    2. Six semester hours from HIS 1305, 1307, 2365, or 2366.
    3. ECO 3355
  - H. Human Performance, three activity courses ..... 3 hrs.
  - I. Civic Education, CCS 1100 ..... 1 hr.
  - J. Chapel – two semesters..... no credit
  - K. Electives..... 11 to 25 hrs.
- II. Major – Forty-one semester hours including the following:
  - A. SWO 2321, 3351, 3352, 3354, 3371, 4301, 4322, 4372, 4373, 4401, 4491, 4492, and 4293.
  - B. A grade of "C" or better in social work courses used for the major.
- III. Advanced work ("3000" or "4000" numbered courses) minimum .....36 hrs.

- IV. 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 Regulations for the College of Arts and Sciences” and “General University Regulations.” Practice in accordance with the National Association of Social Work (NASW) Code of Ethics is required.

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 3322, SWO 4315
- B) Nine hours from ANT 2305, 3320, 4306, 4327, BIC 4374, BIO 4331, CHE 3341, CHS 4303, CCS 1100, 3300, CHS 4350, ECO 3330, 3331, 4316, ECO 4331, 4332, 4334, 4335, 4350, ELC 4377, ENG 3305, ENT 4353, 4380, ENV 1301, 3314, 4310, 4350, 4380, FCS, 1300, 1301, 2351, 2380, 3314, 3350, FCS 3388, 4310, 4340, 4351, 4352, 4356, 4357, 4387, 4388, GEOG 1300, GEO 1401, 1403, HED 2340, 3313, 3351, 4331, 4340, 4341, 4355, HIS 3355, 3371, 4312, 4350, 4375, 4385, 4388, HP 3311, LS 4353, MKT 3325, MUS 3323, NSC 4312, PHI 1308, 3301, 4361, PSC 3300, 3314, 3320, 3322, PSC 3325, 4330, 4355, 4383, REL 3390, 4340, 4393, 4397, SOC 1306, 2310, SOC 3311, 3318, 3322, 3330, 3360, 4322, 4353, 4366, SPA 2321, 2322, 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; FSC 2351; PSC 3310; REL 4394 or 4395; SOC 4310, HED 4327, PSY 4355 or SOC 4V70; SWO 4V70

Bachelor in Social Work (Sample program of work)

BIC and Honor students need to refer to the Honors Section of this catalog.

Fall Semester, Freshman		Spring Semester, Freshman	
English 1302	3	English 1304	3
Religion 1310	3	Math 1301	3
Biology 1401	4	Religion 1350	3
History 1305	3	Physics or Chemistry	4
Fine Arts	3	Fine Arts	3
Chapel	<u>0</u>	HP	1
	16	Chapel	<u>0</u>
			17

**Fall Semester, Sophomore**

Social Work 2321 (Introduction)	3
English 2301	3
Language	4
Neuroscience 1306/1106	4
Civic Education (CCS 1100)	<u>1</u>
	15

**Spring Semester, Sophomore**

English 2304 or 2306	3
Language	4
Social Work 3354 (Family)	3
Elective	3
History 2366	<u>3</u>
	16

**Fall Semester, Junior**

Social Work 3371 (Practice I)	3
Social Work 3351 (HBSE I)	3
Elective	3
Political Science 2302	3
Language	<u>3</u>
	15

**Spring Semester, Junior**

Social Work 3352 (HBSE II)	3
Social Work 4372 (Practice II)	3
Elective	3
Economics 3355	3
Language	3
HP	<u>1</u>
	16

**Fall Semester, Senior**

Social Work 4373 (Practice III)	3
Social Work 4491 (Internship I)	4
Social Work 4401 (Statistics or SW)	4
Elective	3
HP	<u>1</u>
	15

**Spring Semester, Senior**

Social Work 4293 (Capstone Seminar)	2
Social Work 4492 (Internship II)	4
Social Work 4301 (Research)	3
Social Work 4322 (Policy)	3
Fine Arts	<u>2</u>
	14

**Total Hours = 124**

## REQUIREMENTS FOR GRADUATION

### *Capstone Seminar*

The program uses an exit process to determine if candidates for graduation meet the program's primary mission of preparing students for social work generalist practice. The exit process consists of successful completion of SWO 4293, including portfolio development; and an oral portfolio presentation. Students must have a passing grade in the Senior Capstone Seminar to complete the degree requirements for a BSW degree in social work.

The oral portfolio presentation process demonstrates essential components of professional social work education such as practice skills, social work values and ethics, integration of faith and practice, communication skills, research ability, policy analysis, social and economic justice issues, understanding of populations-at-risk, and understanding and appreciation for human diversity. The process provides the student an opportunity to demonstrate his/her readiness for practice. It requires an integration of all of the student's learning throughout her/his university career and the ability to communicate this knowledge. Students will be scheduled for oral portfolio presentations that are held at the end of the final internship semester. Students will prepare a portfolio in hard copy or electronically, or both, and provide two copies two weeks before the oral portfolio presentation. The presentation will consist of an interview with a team composed of a social work faculty member and a community practitioner who has not supervised the student.

### **Field Placement Sites Must Fulfill the Following Expectations:**

1. The agency shares with the University and the student a common commitment to education as the primary purpose of the internship.
2. The field instructor models social work values and ethics and supports the mission and code of conduct of the University and the School.
3. Field placement sites include settings that allow, encourage, and facilitate the integration of faith and practice and that will develop social work leadership in congregations and faith-based organizations.
4. Field placement sites provide environments that meet and/or exceed standards set by National Association of Social Workers, the Council on Social Work Education, and social work legislation.
5. Field placement sites and personnel provide practice that is sensitive and responsive to diversity, oppression and social injustice and that provide interns with opportunity to practice with diverse populations and populations at risk.

### **Field in the Curriculum**

Baccalaureate field internship begins after the student has successfully completed the core Social Work courses. These include: Introduction to Social Work, Marriage and Family, Human Behavior and the Social Environment I and II, Social Policy, Research, Statistics for Social Workers and Practice I and II.

Field internship is the application of the knowledge and skills the student has obtained in the core classroom courses. The program 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 first semester Field internship, the baccalaureate student is not permitted to take more than 15 semester hours (including Field internship) without the consent of the Associate Dean for Baccalaureate Studies.

Because of the Baylor class schedule, most baccalaureate students are involved in their placements on Tuesdays and Thursdays and attend classes on Mondays, Wednesdays, and Fridays. This is always subject to change. Because Field internship agencies provide services to school aged children and working people, working hours vary from agency to agency. The intern is expected to work out a time schedule with the agency and Field Instructor and to communicate specific scheduling needs to the Director of Field Education - Generalist Practice before placement. Internship hours must be completed in blocks of at least four hours at a time. Exceptions must be approved by the Director of Field Education - Generalist Practice. Internship hours must be completed across the semester of

internship, ending no earlier than one week before the end date on the course outline. See the Generalist Practice Field Manual for more information.

**Field Orientation**

Prior to beginning field internship, all students must attend the School of Social Work's Field orientation. This orientation includes presentation of Field policies, discussion of Field requirements and evaluation, grading procedures, a description of the Field faculty/liaison system, and a discussion of internship sites and the placement process. Failure to attend this orientation will prohibit entry into Field internship and will therefore delay a student's course of study. See the Generalist Practice Field Manual for more information.

**SCHOOL OF SOCIAL WORK FACULTY AND STAFF****Faculty**

Erma M. Ballenger, Ph.D., Director of Field Education – Advanced Practice  
Tanya S. Brice, Ph.D.  
James W. Ellor, Ph.D.  
Diana R. Garland, Ph.D., Dean and the Director of The Center for Family and Community Ministries  
Cynthia Harr, Ph.D.  
Helen E. W. Harris, Ed.D.  
Johnny M. Jones, Ph.D.  
Susanne Klawetter, M.S.W.  
Kimberly Kotrla, Ph.D.  
Dennis R. Myers, Ph.D.  
David K. Pooler, Ph.D.  
Robin K. Rogers, Ph.D., Associate Dean for Graduate Studies  
Rebecca Scott, M.S.W.  
Michael Sherr, Ph.D.  
Jon E. Singletary, Ph.D., Associate Dean for Baccalaureate Studies  
Gaynor I. Yancey, D.S.W.  
Melody Y. Zuniga, M.S.W., Director of Field Education—Generalist Practice

**Staff Personnel**

Kasey M. Ashenfelter, Program Coordinator; Texas Hunger Initiative  
Krista R. Barrett, Program Manager, Field Education  
Kay B. Boatman, Financial Manager  
Beth Drew, Campaign Director, Texas Hunger Initiative  
Jeremy Everett, Director, Texas Hunger Initiative  
Jeanie D. Fitzpatrick, Assistant to the Dean  
Marilyn Y. Gusukuma, Program Manager, Graduate Program  
Mary Lindsay Jackson, MSW Admissions Coordinator  
Tracey Kelley, M.S.W., Director, Recruitment and Career Services  
Laura H. McWhorter, Program Manager, Texas Hunger Initiative  
Samantha Oakley, M.S.W., Assistant Director, Center for Family & Community Ministries  
Jennifer Smyer, M.S.W., Director of Global Mission Leadership  
Angela C. Traylor, Program Manager, Baccalaureate Program  
Eric Weeden, Research and Grant Coordinator



# **Interdisciplinary Programs Academic Support Services**





## **INTERDISCIPLINARY PROGRAMS AND ACADEMIC SUPPORT SERVICES**

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 University libraries system, the museum complex, and the Baylor University Press.

### **INTERDISCIPLINARY PROGRAMS**

#### **MEDICAL HUMANITIES**

Dr. James A. Marcum, Director

#### **INTERNATIONAL EDUCATION**

Naymond H. Keathley, Ph.D., Interim Director of the Center for International Education

Randy Penson, M.A., Associate Director, Center for International Education

Kristina Ballard, Administrative Associate

Alexine Burke, B.S., International Student Advisor

Lexi English, B.A., Administrative Associate

J.J. Ilseng, Exchange Program and Study Abroad Advisor

Treva G. Hall, SEVIS Coordinator

Leslie Hicks, Administrative Associate

Lynae Jordan, Budget Associate

Jackie McClendon, Office Manager

Jackie Blankenship, Coordinator of Semester Abroad Programs

Melanie Smith, M.R.E., International Student Relations Coordinator

#### **Scholarship**

Glennis McCrary Goodrich International Scholarship (Study Abroad)

**INSTITUTES**

**Institute for Air Science**

Trey Cade, Ph.D., Director

**Allbritton Art Institute**

Paul A. McCoy, M.F.A., Director

**Institute of Archaeology**

Sara E. Alexander, Ph.D., Director

Garrett Cook, Ph.D. (*Anthropology*)

C. Alton Hassell, Ph.D. (*Chemistry*)

Lee C. Nordt, Ph.D. (*Geology*)

**Institute for Biblical and Related Languages**

William H. Bellinger, Ph.D. (*Religion*)

Naymond H. Keathley, Ph.D. (*Religion*)

James M. Kennedy, Ph.D. (*Religion*)

Mikeal C. Parsons, Ph.D. (*Religion*)

R. Alden Smith, Ph.D. (*Classics*)

**J. M. Dawson Institute of Church-State Studies**

Robyn L. Driskell, Ph.D., Director

William A. Mitchell, Ph.D., Graduate Program Director

Jerold Waltman, Ph.D., Editor of The Journal of Church and State

**Institute for Oral History**

Stephen M. Sloan, Director

Lois E. Myers, M.A., Associate Director

Elinor A. Mazé, M.A., M.L.S., Senior Editor

## ACADEMIC SUPPORT SERVICES

### UNIVERSITY LIBRARIES

Pattie Orr, M.Ed., Dean of University Libraries

Jeffrey A. Steely, M.L.I.S., Associate Dean and Director of University Libraries

### CENTRAL LIBRARIES

#### CLIENT SERVICES

Beth Elene Tice, M.M., M.L.I.S., Associate Director

Eileen M. Bentsen, M.A., M.Phil., M.L.S.

Jennifer H. Borderud, M.S.I.S.

Kenneth L. Carriveau, Jr., M.S.L.S.

Bruce J. Evans, M.L.S.

Ellen Hampton Filgo, M.L.I.S.

Amanda Harlan, M.M., M.L.S.

Ramona J. McKeown, M.L.I.S.

Carol Carson Schuetz, M.L.S., M.S.

Janet E. Sheets, M.S.

Michael Skinner, M.L.S., Th.M.

Sha Towers, M.M., M.L.S.

Sinai P. Wood, M.L.S.

Allison R. Yanos, M.L.S.

#### ELECTRONIC LIBRARY

Timothy M. Logan, M.F.A., Associate Vice President-Electronic Library

##### *Client Services*

Richard D. Gerik, M.S., Director

Sandra M. Bennett, Ph.D.

David R. Burns, M.S.Ed.

J. Michael Hutcheson, M.S.

Conner J. Krey, B.B.A.

##### *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

#### Central Libraries Special Collections

Kathy R. Hillman, M.L.S., Director

#### Armstrong Browning Library

Rita Patteson, M.L.S., Director

Cynthia A. Burgess, M.L.I.S.

Avery T. Sharp, Ph.D.

#### The Texas Collection

John S. Wilson, M.L.S., Interim Director

Michael L. Toon, M.L.I.S.

Benna Vaughn, M.A., C.A.

#### W. R. Poage Legislative Library

James Benjamin Rogers, M.S., Director

Mary K. Goolsby, M.L.I.S.

William B. Hair, III, M.L.S.

### ENDOWED POSITIONS

The Margaret Root Brown Chair in Robert Browning Studies  
and Victorian Poetry

**BAYLOR UNIVERSITY PRESS**

Carey C. Newman, Ph.D., Director  
Diane Smith, M.A., Associate Director/Production Manager  
Nicole Smith Murphy, M.T.S., Associate Director/Director of Sales and Marketing  
Jennifer Hannah, M.A., Senior Marketing and Advertising Manager  
Karla Garrett, B.B.A., Finance and Operations Manager  
Jenny Hunt, M.A. Assistant Production Manager  
LaToya Butler, M.A., Office Manager

**MAYBORN MUSEUM COMPLEX**

Ellie B. Caston, Ph.D., Director of Mayborn Museum Complex  
Tom Haddad, A.A.S., Assistant Director of Facilities  
Lesa Bush, B.S., Assistant Director of Visitor Experience  
Mark E. Smith, B.S., Assistant Director of Promotions and Events

**ENDOWED POSITIONS****CHAIR**

The Jo Murphy Chair, Center for International Education

**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

See Pre-Professional Programs and Advisors in the College of Arts and Sciences section of this catalog.

### UNIVERSITY STUDIES

Certain broadly interdisciplinary courses which are available for elective credit for various degree programs are offered under the heading of University Studies.

## INSTITUTES

### INSTITUTE FOR AIR SCIENCE

Baylor Institute for Air Sciences offers a four-year undergraduate program developed specifically for people who wish to follow careers in aviation. Each graduating student will receive a Bachelor of Science in Aviation Sciences degree and will have flying qualifications to the Commercial Pilot level (including an instrument rating and multiengine rating), along with a Certified Flight Instructor (CFI) license.

This program is offered in conjunction with the Texas State Technical College (TSTC) at Waco.

#### B.S.A.S. Degree

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

- I. All specific and group requirements for the Bachelor of Science in Aviation Sciences degree.
- II. Sixty-two semester hours including the following:
  - A. Thirty-five hours required from TSTC: AIRP 1215, 1255, 1301, 1417, 1451, 2236, 2239, 2250, 2251, 2331, 2333, 2337, and 2349.
  - B. Twenty-seven hours required from Baylor to include:
    - a. Eighteen hours Aviation Science courses: AVS 1300, 3310, 3311, 3315, 4314, and 4315.
    - b. Nine advanced Aviation Science elective hours ("3000" or "4000" numbered courses).

Required courses in other fields:

- I. MTH 1321.
- II. MTH 1322 or STA 2381.
- III. PHY 1408 or 1420.
- IV. CHE 1301 and 1101.
- V. CSI 3303.

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

##### Requirements for a Minor in Aviation Sciences

Eighteen semester hours including the following:

- A. AVS 1300, AVS 3311, and AVS 4310
- B. Nine semester hours selected from: AVS 3310, 3315, 3320, 4305, 4314, 4315, 4318, and 4485.

## THE ALLBRITTON ART INSTITUTE

The Allbritton Art Institute is conducted in conjunction and affiliation with the Department of Art at Baylor University. The program focuses on the study of nineteenth and twentieth-century and contemporary art history. It provides courses for undergraduate students and is part of preparation for further study at the graduate level.

#### Facilities

The Allbritton Art Institute is located in the Hooper-Schaefer Fine Arts Center. Class presentations and seminars take place in two newly-equipped lecture rooms featuring the latest audio-visual and computer technology. Internet projection capabilities allow faculty to access images from museum internet sites or take students on virtual museum tours.

#### Library

An impressive and growing collection housed in Moody Library of scholarly publications concerned

with nineteenth and twentieth century artists and their art is available for student and scholarly research by those who place emphasis on this area of specialization.

## INSTITUTE OF ARCHAEOLOGY

The Institute of Archaeology is a multidisciplinary unit anchored in the Department of Anthropology, Forensic Science and Archaeology. 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.

## INSTITUTE FOR BIBLICAL AND RELATED LANGUAGES

See listing of requirements for the major in Biblical and Related Languages under the Department of Religion.

## 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.

The minor in Religion, Politics, and Society offered through the Institute provides undergraduates the opportunity to enrich their existing course of study by participating in what has been called "the greatest subject in the history of the West" with a distinguished faculty and diverse group of colleagues. Students find the interdisciplinary focus of the minor helpful when applying to graduate programs in disciplines such as political science, sociology, and religion. Law schools value the introduction to legal theory and constitutional issues that this minor provides. As contemporary American culture reflects a growing interest in the interrelationship of religion and society, a concentration in religion and politics helps to open doors in a variety of careers, including government work, academia, ministry, journalism, and public policy.

The Dawson Institute also offers Master of Arts and Ph.D. degrees in "Church-State Studies" and a Ph.D. in "Religion, Politics, and Society." Information concerning the graduate degrees can be found in the Graduate Catalog or by accessing the Institute of Church-State Studies website at: [www.baylor.edu/church\\_state](http://www.baylor.edu/church_state).

## RELIGION, POLITICS, AND SOCIETY MINOR

### Requirements for Minor in Religion, Politics, and Society

Eighteen semester hours including the following:

- A. Religion, Politics, and Society Core – Nine semester hours selected from the following:

CHS 2304	Foundations of Religious Liberty
CHS 3309	Religion and Society
CHS 3339	Law and Religion in the United States
CHS 4350	Religion and Terrorism in the Modern World
CHS 4360	Religion and the Body Politic
CHS 4367	The Non-Christian Experience and U.S. Church-State Relations
CHS 4370	Politics and Religion
CHS 4376	Eastern Perspectives on Church and State
CHS 4379	Islam and Democracy
CHS 4385	Religious Ethics in a Liberal Democracy

- B. Nine semester hours selected from the following:

At least two departments must be represented. Each course can count only once on the minor, based on the prefix of the course.

## Church-State Studies

CHS 4314 Religion and Politics in Contemporary Africa

## History

HIS 3362 History of Religion in America

HIS 4326 Early Medieval Europe

HIS 4327 High Middle Ages

HIS 4329 Renaissance and Reformation

HIS 4360 Religion and the Body Politic (CHS/PSC/REL 4360)

HIS 4362 American Colonial History

HIS 4395 History of American Thought, 1630-1859

HIS 4396 History of American Thought, 1859-present

## Philosophy

PHI 3301 Moral Philosophy

PHI 3312 History of Philosophy: Modern European Philosophy

PHI 4318 Philosophy of Law

PHI 4320 Philosophy of Religion

PHI 4342 Contemporary American Philosophy

## Political Science

PSC 3339 Law and Religion in the United States (CHS/REL 3339)

PSC 3363 Western Political Thought: Classical and Medieval

PSC 3373 Western Political Thought: Modern

PSC 4303 International Human Rights (CHS 4303)

PSC 4355 Power, Morality, and International Relations

PSC 4360 Religion and the Body Politic (CHS/HIS/REL 4360)

PSC 4370 Politics and Religion

PSC 4381 American Constitutional Law

## Religion

REL 2342 The Christian Church in Africa (CHS 2342)

REL 3339 Law and Religion in the United States (CHS/PSC 3339)

REL 3340 Religion and Society (CHS/SOC 3309)

REL 3344 New Religious Movements in the United States

REL 3345 World Religions

REL 3351 Introduction to Christian Theology

REL 3390 Christian Ethics

REL 3394 War and Peace in the Christian Tradition

REL 4331 History of Roman Catholicism

REL 4333 History of Protestantism

REL 4336 Introduction to Religion in America

REL 4343 Topics in Islam

REL 4346 Topics in Asian Religions (AST 4346)

REL 4360 Religion and the Body Politic (CHS/HIS/PSC 4360)

## Sociology

SOC 3309 Religion and Society (CHS 3309/REL 3340)

SOC 4325 Sociology of Religion

**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 INTERNATIONAL EDUCATION (CIE)**

The Jo Murphy Chair in International Education is responsible for promoting academic programs and activities that strengthen the international character of the University, through international exchange programs, study abroad programs, the presence of international students (more than four hundred sixty students from seventy-four countries), and the area study programs lectures. The Center for

International Education serves as an information clearing house for University international activities.

Students are encouraged to include participation in a study abroad experience as an integral part of the undergraduate experience.

Current faculty-led group study abroad programs and director/or contact person include the following:

Baylor in Guatemala (Anthropology Field School)	Dr. Garrett Cook
Baylor Education in Costa Rica	Dr. Tom Offit
Baylor European Business Seminar	Dr. Richard Strot
Baylor in Argentina	Dr. Richard Easley
Baylor in Brazil	Dr. Joan Supplee
Baylor in the Caribbean	Dr. Eva Doyle
Baylor in China	Dr. Leslie Palich
Baylor in Florence	Dr. Xin Wang
Baylor in Germany	Pro.Maxey Parrish
Baylor in Great Britain	Dr. Jennifer Good
	Dr. James Henderson
	Dr. Charles Weaver
Baylor in Italy or Greece	Dr. Jeffery Hunt
Baylor in London (Kensington)	Dr. David Schlueter
Baylor in Oxford	Dr. Stuart Rosenbaum
Baylor in Paris	Dr. David Uber
Baylor in Shanghai (I-5 Program)	Dr. Greg Leman
Baylor in Spain-Denia	Dr. Linda McManness
Baylor in Spain-Madrid	Dr. Paul Larson
Baylor in Turkey and Greece	Dr. Doug Henry
Baylor in Tuscany	Prof. Humberto Gonzalez
BU Theatre Abroad	Dr. Stan Denman
Encountering Islam	Dr. Michael W. Stroope
Baylor European Entrepreneurship Experience	Dr. Leslie Palich
Family and Consumer Science Abroad: Europe	Dr. Lorynn Divita
Baylor School of Education: Interns in England	Dr. Tony Talbert
Baylor School of Education in Italy	Dr. Randy Wood
Baylor Social Entrepreneurship in Africa	Dr. Kendall Artz and Prof. Colene Coldwell
Baylor School of Education Interns in Australia	Prof. Betty Ruth Baker
International Nursing:Women's Healthcare in Great Britain	Dr. Lyn Prater

Current semester or year-long exchange and study abroad programs include the following:

<b>Argentina</b>	Universidad Nacional de Cordoba	Dr. Manuel Ortuño
	Universidad Nacional de Cuyo*	Dr. Joan Supplee
<b>Australia</b>	Swinburne University of Technology	Mr. Jimmy Ilseng (CIE)
	University of Tasmania	Mr. Jimmy Ilseng (CIE)
<b>Brazil*</b>	Universidade Federal de Minas Gerais (UFMG)	Dr. Lizbeth Souza-Fuertes
<b>Canada</b>	Ecole des Hautes Etudes Commerciales de Montreal	Dr. Stephen Gardner
<b>China</b>	Tsinghua University	Dr. Xin Wang
	Hong Kong Baptist University	Dr. Stephen Gardner
<b>Egypt</b>	American University in Cairo	Dr. Mark Long
<b>England</b>	Baylor in London/FIE	Ms. Jackie Blankenship (CIE)
	Kingston-upon-Thames	Dr. Elden Barrett
	Middlesex University*	Mr. Jimmy Ilseng (CIE)
	University of London, Queen Mary	Mr. Jimmy Ilseng (CIE)



<b>Finland</b>	Regent's College	Mr. Jimmy Ilseng (CIE)
<b>France</b>	University of Jyväskylä	Dr. Michael Long
	Paris Graduate School of Management*	Dr. Stephen Gardner
	Universite de Caen	Dr. Theresa Kennedy
	C.U.P.A. (Center for Undergraduate Programs)	Dr. David Uber
<b>Germany</b>	Albert-Ludwigs University in Freiburg	Dr. Andrew Wisely
	Cologne Business School	Dr. Stephen Gardner
<b>Italy*</b>	Florence University of the Arts	Mr. John Wilson
	John Cabot University Rome	Mr. John Wilso
<b>Japan</b>	Hosei University	Ms. Yuko Prefume
	Seinan Gakuin University	Dr. David Uber
<b>Korea</b>	Yonsei University, Seoul	Dr. David Uber
<b>Mexico*</b>	Monterrey Tec University	Dr. Lizbeth Souza-Fuertes
<b>Peru</b>	Pontificia Universidad Catolica	Dr. Lizbeth Souza-Fuertes
<b>The Netherlands</b>	Baylor in Maastricht	Ms. Jackie Blakenship (CIE)
<b>Russia</b>	Voronezh State University	Dr. Michael Long
<b>Scotland</b>	Baylor in St. Andrews	Ms. Jackie Blakenship (CIE)
	University of Dundee	Mr. Jimmy Ilseng (CIE)
	University of Edinburgh	Mr. Jimmy Ilseng (CIE)
<b>South Africa</b>	Rhodes University, Grahamstown	Mr. Jimmy Ilseng (CIE)
<b>Spain</b>	Universidad of Cantabria	Dr. Manuel Ortuño
	St. Louis University Madrid*	Dr. Stephen Gardner
<b>Sweden</b>	Jonkoping International School	Dr. Stephen Gardner
	of Business	
<b>Turkey</b>	Bogazici University	Mr. Jimmy Ilseng (CIE)
<b>Wales</b>	Swansea University	Mr. Jimmy Ilseng (CIE)

\*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.baylor.edu/study\\_abroad](http://www.baylor.edu/study_abroad).*

## ACADEMIC SUPPORT SERVICES

### UNIVERSITY LIBRARIES

#### MISSION STATEMENT

The Baylor University Libraries connect people with ideas in support of teaching, learning, scholarship and academic distinction.

#### GOALS

- Create a friendly world-class learning environment that is the center of academic life at Baylor
- Build a collection of information resources meeting the needs of scholars and creating international academic distinction
- Provide exceptional services in support of teaching, learning and scholarship.

#### MOODY MEMORIAL LIBRARY AND JESSE H. JONES LIBRARY

Moody Memorial Library and Jesse H. Jones Library are the central libraries for the University. Located at the end of Fountain Mall on South Third Street, these adjoining libraries house more than 1.8 million volumes and 84,000 media items for undergraduate, graduate and faculty research. The libraries also provide access to thousands of electronic resources including e-books, full-text journal articles and databases covering a wide range of research areas.

Subject specialist 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 Ptichard Family Information Commons and Moody foyer are popular study areas open from 1 p.m. Sunday to 10 p.m. Friday during most of the fall and spring semesters. The Garden Level is also home to Java City Café.

For more information on the libraries, visit [www.baylor.edu/lib/](http://www.baylor.edu/lib/).

#### 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 and electronic tools for scholarship. 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/lib/el/](http://www.baylor.edu/lib/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](http://www.browningguide.org)), an online database created by the library, facilitates the study of the Brownings and their circle.

In recent years the collection has broadened its scope and presently serves students and scholars researching many aspects of the Victorian period. All library materials are used in the Belew Scholars' Room located on the third floor, where staff members are available to assist patrons. The building itself contains magnificent architectural features and attracts thousands of visitors each year. Baylor students are encouraged to use the John Leddy-Jones Research Hall on the second floor for quiet and concentrated study from 9 a.m. to 5 p.m. on weekdays and 10 a.m. to 2 p.m. on Saturdays in an atmosphere reminiscent of a college library at Oxford or Cambridge.

For additional information, visit [www.baylor.edu/lib/abl/](http://www.baylor.edu/lib/abl/).

## **THE TEXAS COLLECTION**

Founded in 1923, The Texas Collection is a research center consisting of extensive printed materials and archives, holdings include books, periodicals, vertical files, maps, historical manuscripts, photographs, newspapers, Baylor University records 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 elsewhere.

The Texas Collection is located in Carroll Library Building on the Burleson Quadrangle and is an excellent library for quiet study and research.

For more information visit [www.baylor.edu/lib/texas/](http://www.baylor.edu/lib/texas/).

## **W.R. POAGE LEGISLATIVE LIBRARY**

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 library is now processing the papers of Bob Bullock, former lieutenant governor of Texas, the papers of Jack Hightower, former U.S. Congressman and Texas Supreme Court justice, and materials related to the assassination of President Kennedy.

The Poage Library is located on the first floor of the W. R. Poage Legislative Library building. Hours are 9:00 a.m. to 12:00 p.m. and 1:00 p.m. to 5:00 p.m. Monday through Friday.

For more information, visit <http://www.baylor.edu/lib/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	Hebrew	HEB
Aerospace Studies	AS	History	HIS
Air Pilot	AIRP	Honors	HON
American Studies	AMS	Human Performance	HP
Anthropology	ANT	Indonesian	IND
Arabic	ARB	International Business	INB
Aramaic	ARA	Italian	ITA
Archaeology	ARC	Japanese	JPN
Art	ART	Journalism	JOL
Asian Studies	AST	Korean	KOR
Aviation Sciences	AVS	Latin	LAT
Baylor Interdisciplinary Core	BIC	Latin American Studies	LAS
Bioinformatics	BINF	Leadership Development	LDS
Biology	BIO	Library Science	LS
Biomedical Engineering	BME	Linguistics	LING
Business	BUS	Maastricht	MAA
Business Law	BL	Management	MGT
Chapel	CHA	Management Information Systems	MIS
Chemistry	CHE	Marketing	MKT
Chinese	CHI	Mathematics	MTH
Church-State Studies	CHS	Mechanical Engineering	ME
Civic Education and Community Service	CCS	Medical Humanities	MH
Classics	CLA	Middle East Studies	MES
Communication Sciences and Disorders	CSD	Military Science	MILS
Computer Science	CSI	Modern Foreign Languages	MFL
Computer Science Fellows	CSE	Museum Studies	MST
Curriculum and Instruction	EDC	Music	MUS
Economics	ECO	Neuroscience	NSC
Education	EDU	Nursing	NUR
Educational Administration	EDA	Philosophy	PHI
Educational Psychology	FDP	Physics	PHY
Electrical and Computer Engineering	ELC	Political Science	PSC
Engineering	EGR	Portuguese	POR
Engineering and Computer Science	ECS	Prehealth Professions	PHP
English	ENG	Professional Development	PRD
Entrepreneurship	ENT	Psychology	PSY
Environmental Studies	ENV	Quantitative Business Analysis	QBA
Family and Consumer Sciences	FCS	Recreation and Leisure Services	RLS
Film Digital Media	EDM	Religion	REL
Finance	EIN	Russian	RUSS
First Year Seminar	FYS	Sanskrit	SAN
Forensic Science	FOFS	Slavic and East European Studies	SEES
French	FRE	Social Work	SWO
Freshman Academic Seminar	EAS	Sociology	SOC
Geography	GEOG	Spanish	SPA
Geology	GEO	Speech Communication	CSS
German	GER	Statistics	STA
Gerontology	GRT	Swahili	SWA
Great Texts	GTX	Teacher Education	TED
Greek	GKB	Theater Arts	THEA
Greek	GKC	University Scholars	UNSC
Health Education	HED		

## ACCOUNTING (ACC)

### 2301 Survey of Accounting

Prerequisite(s): A minimum grade of C in MIS 1305 or CSI 1430. Not open to business majors 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

Prerequisite(s): A minimum grade of C in MIS 1305; or CSI 1430.

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

Prerequisite(s): A minimum grade of C in ACC 2303 and cumulative GPA of 2.5 or higher.

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.

### 3301 Financial Accounting and Reporting I

Co-requisite(s): ACC 3303.

Prerequisite(s): ACC 2303 and 2304 with a C+ average, including all repeated attempts in those courses.

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 and 3310.

Prerequisite(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.

Prerequisite(s): ACC 2303 and ACC 2304 with a C+ average including all repeated attempts in those courses.

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.

### 3304 Introduction to Federal Taxation

Co-requisite(s): ACC 3302 and 3310.

Prerequisite(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**

Prerequisite(s): A minimum grade of C in ACC 2304. (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**

Prerequisite(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**

Co-requisite(s): ACC 3302 and 3304.

Prerequisite(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.

**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 and 4350.

Prerequisite(s): ACC 3302, 3304 and 3310 with a grade of C or better; not open to pre-business students.

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.

**4320 Not-for-Profit and Governmental Accounting**

Prerequisite(s): ACC 4308, 4330 and 4350 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 and 4350.

Prerequisite(s): ACC 3302, 3304, and 3310 with a grade of C or better; not open to pre-business students.

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.

**4340 Advanced Accounting**

Prerequisite(s): ACC 3302, ACC 3304 and ACC 3310 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**

Co-requisite(s): ACC 4308 and 4330.

Prerequisite(s): ACC 3302, 3304 and 3310 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**

Prerequisite(s): A minimum grade of C in ACC 2304; not open to pre-business students or 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**

Prerequisite(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**

Prerequisite(s): ACC 3302, 3304 and 3310 with a grade of C or better in each course and consent of director of accounting internships. (Not open to pre-business students).

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.**

Prerequisite(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 Foundations of the Air Force I**

Co-requisite(s): AS 1111.

An introductory course exploring the doctrine, mission, and organization of the U.S. Air Force, and roles of the U.S. Army, Navy, and Marine Corps. Laboratory (AS 1111) required for AFROTC students.

**1102 Foundations of the Air Force II**

Co-requisite(s): AS 1112.

A continuation of the study of U.S. Forces, including general purpose forces, aerospace support forces, and a study of the functions of strategic offensive and defensive forces. Laboratory (AS 1112) required for AFROTC students.



**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.

Evolution of air power through the Korean War. Air Force values and communication skills. Laboratory (AS 2111) required for AFROTC students.

**2102 Evolution of Air and Space Power II**

Co-requisite(s): AS 2112.

A continuation of AS 2101, emphasizing the evolution of air power from the Cuban missile crisis in 1962. Further develops Air Force values and communication skills. Laboratory (AS 2112) required for AFROTC students.

**2111 Leadership Laboratory**

Co-requisite(s): AS 2101.

A continuation of AS 1112.

**2112 Leadership Laboratory**

Co-requisite(s): AS 2102.

A continuation of AS 2111.

**PROFESSIONAL OFFICER CRSE (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 United States Air Force Leadership Studies I**

Co-requisite(s): AS 3111.

A study of leadership/followership, authority/responsibility, management functions, motivation, feedback, ethics, team building, and counseling subordinates. Emphasis on improving speaking/writing communication skills and assessing personal leadership strengths and weaknesses. Concurrent laboratory (AS 3111) enrollment required for AFROTC students.

**3302 United States Air Force Leadership Studies II**

Co-requisite(s): AS 3112.

A continuation of AS 3301. Concurrent laboratory (AS 3112) enrollment required for AFROTC students.

**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 Defense Studies (National Security Affairs)**

Co-requisite(s): AS 4111.

Prerequisite(s): Upper-level standing or consent of instructor.

A study of civilian control of the military, the national security process and issues, American defense strategy and policy, and the Air Force organizational structure. Laboratory (AS 4111) enrollment is required for AFROTC students. This course may also be taken by non-AFROTC students without the lab.

**4302 Preparation for Active Duty**

Co-requisite(s): AS 4112.

This course prepares the student for active duty studying various world regions, officership, the military justice system, the military as a profession, and advanced leadership ethics. Special emphasis is placed on speaking and writing skills in the unique military-style format. Laboratory (AS 4112) enrollment required for AFROTC students.

**AIR PILOT (AIRP)****1255 Intermediate Flight****1301 Air Navigation****1307 Aviation Meteorology****1341 Advanced Air Navigation****1343 Aerodynamics****1345 Aviation Safety****1417 Private Pilot Ground School****1451 Instrument Ground School****2236 Certified Flight Instructor - Airplane****2239 Commercial Flight****2242 Flight Instructor - Instrument Airplane****2250 Instrument Flight****2251 Multiengine Flight****2331 Advanced Aviation Meteorology****2333 Aircraft Systems****2337 Commercial Ground School****2349 Instructor Ground School**

**2355 Propulsion Systems****2357 Turbine Aircraft Systems and Ground School****AMERICAN STUDIES (AMS)**

**1305 Survey of Economic Principles for Non-Business Majors (Cross-listed as ECO 1305)**  
See ECO 1305 for course information.

**2304 American Literature (Cross-listed as ENG 2304)** **TCCNS: ENGL 2326**  
See ENG 2304 for course information.

**2305 Cultural Anthropology in the Global Context (Cross-listed as ANT 2305)**  
See ANT 2305 for course information.

**2365 History of the United States to 1877 (Cross-listed as HIS 2365)**  
See HIS 2365 for course information.

**2366 History of the United States since 1877 (Cross-listed as HIS 2366)**  
See HIS 2366 for course information.

**3310 Legislative Process and Behavior (Cross-listed as PSC 3310)**  
See PSC 3310 for course information.

**3311 Race, Class and Gender (Cross-listed as SOC 3311)**  
See SOC 3311 for course information.

**3320 Minority and Ethnic Group Politics (Cross-listed as PSC 3320)**  
See PSC 3320 for course information.

**3321 History of American Popular Music (Cross-listed as MUS 3322)**  
See MUS 3322 for course information.

**3322 American Public Policy (Cross-listed as PSC 3322)**  
See PSC 3322 for course information.

**3323 History of Jazz (Cross-listed as MUS 3323)**  
See MUS 3323 for course information.

**3330 The American Presidency (Cross-listed as PSC 3330)**  
See PSC 3330 for course information.

**3339 Law and Religion in the United States (Cross-listed as CHS 3339, PSC 3339, and REL 3339)**  
See CHS 3339 for course information.

**3340 Campaigns and Elections (Cross-listed as PSC 3340)**  
See PSC 3340 for course information.

**3344 New Religious Movements in the United States (Cross-listed as REL 3344)**  
See REL 3344 for course information.

**3350 Native North Americans (Cross-listed as ANT 3350)**  
See ANT 3350 for course information.

- 3353 American Political Thought (Cross-listed as PSC 3353)**  
See PSC 3353 for course information.
- 3360 History of the American Presidency (Cross-listed as HIS 3360)**  
See HIS 3360 for course information.
- 3362 History of Religion in America (Cross-listed as HIS 3362)**  
See HIS 3362 for course information.
- 3371 History of Black Americans (Cross-listed as HIS 3371)**  
See HIS 3371 for course information.
- 3376 History of American Journalism (Cross-listed as JOU 3376)**  
See JOU 3376 for course information.
- 3377 The Art of Film (Cross-listed as ENG 3377)**  
See ENG 3377 for course information.
- 3380 American Literature through Whitman (Cross-listed as ENG 3380)**  
See ENG 3380 for course information.
- 3381 History of Texas (Cross-listed as HIS 3380)**  
See HIS 3380 for course information.
- 3390 American Literature from Whitman (Cross-listed as ENG 3390)**  
See ENG 3390 for course information.
- 3399 Literature of the American West and Southwest (Cross-listed as ENG 3393)**  
See ENG 3393 for course information.
- 4300 Political Behavior (Cross-listed as PSC 4300)**  
See PSC 4300 for course information.
- 4313 American Realism and Naturalism (Cross-listed as ENG 4383)**  
See ENG 4383 for course information.
- 4316 Postmodern American Novel (Cross-listed as ENG 4386)**  
See ENG 4386 for course information.
- 4318 Philosophy of Law (Cross-listed as PHI 4318)**  
See PHI 4318 for course information.
- 4319 Postmodern American Poetry (Cross-listed as ENG 4389)**  
See ENG 4389 for course information.
- 4321 African American Politics (Cross-listed as PSC 4320)**  
See PSC 4320 for course information.
- 4322 Social Stratification (Cross-listed as SOC 4322)**  
See SOC 4322 for course information.
- 4326 American Folk Music (Cross-listed as MUS 4326)**  
See MUS 4326 for course information.
- 4336 Introduction to Religion in America (Cross-listed as REL 4336)**  
See REL 4336 for course information.

- 4338 Women in Religion in America (Cross-listed as REL 4338)**  
See REL 4338 for course information.
- 4339 Special Topics in History (Cross-listed as HIS 4340)**  
See HIS 4340 for course information.
- 4340 Environmental Archaeology (Cross-listed as ANT 4340, ARC 4340, and ENV 4340)**  
See ANT 4340 for course information.
- 4342 Contemporary American Philosophy (Cross-listed as PHI 4342)**  
See PHI 4342 for course information.
- 4352 The Cold War (Cross-listed as HIS 4379 and SEES 4379)**  
See HIS 4379 for course information.
- 4353 Archaeology of North America (Cross-listed as ANT 4353 and ARC 4353)**  
See ANT 4353 for course information.
- 4354 Religion and War in U.S. History (Cross-listed as HIS 4354)**  
See HIS 4354 for course information.
- 4355 The United States in the 1960s (Cross-listed as HIS 4385)**  
See HIS 4385 for course information.
- 4356 Modern American Art - AAI (Cross-listed as ART 4356)**  
See ART 4356 for course information.
- 4357 American Art - AAI (Cross-listed as ART 4357)**  
See ART 4357 for course information.
- 4358 Contemporary Art - AAI (Cross-listed as ART 4358)**  
See ART 4358 for course information.
- 4359 History of Photography (Cross-listed as JOU 4359)**  
See JOU 4359 for course information.
- 4360 Documentary Explorations (Cross-listed as JOU 4360)**  
See JOU 4360 for course information.
- 4361 American Constitutional Law (Cross-listed as PSC 4361)**  
See PSC 4361 for course information.
- 4362 American Colonial History (Cross-listed as HIS 4362)**  
See HIS 4362 for course information.
- 4363 American Revolution and Constitution (Cross-listed as HIS 4363)**  
See HIS 4363 for course information.
- 4365 The Early Republic, 1789-1860 (Cross-listed as HIS 4365)**  
See HIS 4365 for course information.
- 4366 Social Change and Industrial Society (Cross-listed as SOC 4366)**  
See SOC 4366 for course information.
- 4367 Music and Identity in Texas Culture (Cross-listed as MUS 4365)**  
See MUS 4365 for course information.

**4368 Civil War and Reconstruction (Cross-listed as HIS 4368)**

See HIS 4368 for course information.

**4369 Religion in America, 1877-Present (Cross-listed as HIS 4369)**

See HIS 4369 for course information.

**4370 Women Writers (Cross-listed as ENG 4370)**

See ENG 4370 for course information.

**4371 United States, 1877-1920 (Cross-listed as HIS 4371)**

See HIS 4371 for course information.

**4373 History of the American Woman Since 1865 (Cross-listed as HIS 4378)**

See HIS 4378 for course information.

**4374 United States since 1920 (Cross-listed as HIS 4374)**

See HIS 4374 for course information.

**4375 Special Topics in Literature (Cross-listed as ENG 4374)**

See ENG 4374 for course information.

**4377 The American Civil Rights Movement (Cross-listed as HIS 4375)**

See HIS 4375 for course information.

**4378 Contemporary Novel (Cross-listed as ENG 4378)**

See ENG 4378 for course information.

**4379 Colonial American Literature (Cross-listed as ENG 4381)**

See ENG 4381 for course information.

**4380 American Renaissance (Cross-listed as ENG 4380)**

See ENG 4380 for course information.

**4381 American Constitutional Law (Cross-listed as PSC 4381)**

See PSC 4381 for course information.

**4382 The American West (Cross-listed as HIS 4380)**

See HIS 4380 for course information.

**4383 History of the South (Cross-listed as HIS 4383)**

See HIS 4383 for course information.

**4384 American Indian History (Cross-listed as HIS 4384)**

See HIS 4384 for course information.

**4385 Seminar in American Studies**

Prerequisite(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.

**4386 The City in American History (Cross-listed as HIS 4386)**

See HIS 4386 for course information.

**4387 Modern American Novel (Cross-listed as ENG 4387)**

See ENG 4387 for course information.

**4388 American Environmental History (Cross-listed as HIS 4388)**

See His 4388 for course information.

**4389 Literature of the South (Cross-listed with ENG 4390)**

See ENG 4390 for course information.

**4391 Modern American Poetry (Cross-listed with ENG 4391)**

See ENG 4391 for course information.

**4392 American Foreign Relations since 1919 (Cross-listed as HIS 4392)**

See HIS 4392 for course information.

**4393 Environmental Ethics (Cross-listed as ENV 4393 and REL 4393)**

See REL 4393 for course information.

**4394 American Drama (Cross-listed as ENG 4394)**

See ENG 4394 for course information.

**4395 History of American Thought, 1630-1859 (Cross-listed as HIS 4395)**

See HIS 4395 for course information.

**4396 History of American Thought, 1859 to Present (Cross-listed as HIS 4396)**

See HIS 4396 for course information.

**4397 American Rhetoric (Cross-listed as CSS 4396)**

See CSS 4396 for course information.

**4398 Reading Course in American History (Cross-listed as HIS 4398)**

See HIS 4398 for course information.

**4669 Documentary Summer Field School (Cross-listed as JOU 4669)**

See JOU 4669 for course information.

**4V99 Special Topics in Philosophy (Cross-listed as PHI 4V99)**

See PHI 4V99 for course information.

1 to 3 sem. hrs.

**ANTHROPOLOGY (ANT)****1305 Introduction to Anthropology**

TCCNS: ANTH 2346

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.

**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.

**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.

**2302 The Emergence of World Civilizations (Cross-listed as ARC 2302)**

See ARC 2302 for course information.

**2304 Introduction to Biological Anthropology (Cross-listed as ARC 2304)**

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

**2305 Cultural Anthropology in the Global Context (Cross-listed as AMS 2305)**

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

**2307 Introduction to Archaeology (Cross-listed as ARC 2307)**

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

**2401 Methods of Archaeology (Cross-listed as ARC 2401)**

Field methods in contemporary archaeology.

**3301 Science, Society, and Culture**

Prerequisite(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.

**3310 Introduction to Language and Linguistics (Cross-listed as ENG 3310 and LING 3310)**

See ENG 3310 for course information.

**3318 African Civilization**

Survey of African civilization from pre-history to the present, including traditional bodies of knowledge, political and economic institutions as well as social systems.

**3320 Environment and Human Behavior (Cross-listed as ENV 3320)**

Prerequisite(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)**

Prerequisite(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.

**3340 Indigenous Cultures of Modern Mexico and Central America**

Prerequisite(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 (Cross-listed as AMS 3350)**

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 (Cross-listed as ARC 3351)**

Prerequisite(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.

**3352 Latin-American Interface**

Analysis of the interface between Anglo and Latin American socio-cultural patterns in the American Southwest and Central America.

**3353 Native Ideologies of Latin America**

Native ideologies of Latin America within their cultural context.

**3375 Ethnographic Methods**

Prerequisite(s): Upper-level standing or consent of instructor.

The multiple ethnographic methods used in cultural anthropological field research.

**3399 Archaeology of Texas**

Prerequisite(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.

**3401 Interpretation of Archaeological Data (Cross-listed as ARC 3401)**

Prerequisite(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.

**3402 Social Statistics (Cross-listed as SOC 3402)**

See SOC 3402 for course information.

**4199 Senior Thesis I**

Prerequisite(s): Senior standing in anthropology major.

Thesis project planning, including topic identification, literature review, bibliography compilation, and thesis proposal.

**4299 Senior Thesis II**

Prerequisite(s): Senior standing in anthropology major.

Primary data collection, processing, and analysis, culminating in the thesis.

**4305 Anthropological Theory**

Prerequisite(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)**

Prerequisite(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**

Prerequisite(s): Upper level standing or consent of instructor.

Mechanisms that contribute to biological diversity between and among human populations with particular emphasis on the genetic basis of variation.

**4316 Human Evolutionary Anatomy**

Prerequisite(s): Consent of instructor; upper-level standing.

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.

**4320 Culture, Personality and Identity (Cross-listed as SOC 4320)**

Prerequisite(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**

Prerequisite(s): ANT 2305 or consent of instructor; upper-level standing.

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**

Prerequisite(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.

**4333 Formal Decision Analysis & Health Policy**

Prerequisite(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.

**4335 The Human Fossil Record**

Prerequisite(s): ANT 2304, BIO 1306, or GEO 1406; or consent of instructor.

Seminar on the evolutionary history of humans. Emphasis on fossil evidence and primary texts.

**4340 Environmental Archaeology (Cross-listed as AMS 4340, ARC 4340, and ENV 4340)**

Prerequisite(s): ANT 1305 or 3304 or ENV 1101.

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 Eastern Mediterranean (Cross-listed as ARC 4341)**

Prerequisite(s): Junior or senior standing.

Study of the environmental and cultural factors that led to the rise and fall of civilizations in the Eastern Mediterranean from 8,000 to 69 B.C.

**4342 Archaeology of Ancient Turkey (Cross-listed as ARC 4342)**

Prerequisite(s): Upper-level standing.

Human history in Turkey from the first appearance of modern humans to the development of agricultural economies to the rise of the sophisticated cities of the Classical and Biblical world.

**4344 African Archaeology**

Prerequisite(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 ARC 4348 and 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)**

Prerequisite(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 as AMS 4353 and 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)**

Prerequisite(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.

**4358 Death, Injury and Physical Remains (Cross-listed as FORS 4359)**

See FORS 4359 for course information.

**4360 Anthropology of Religion**

Prerequisite(s): ANT 2305 and 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)**

Prerequisite(s): ANT 1305.

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**

Prerequisite(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)**

Prerequisite(s): ANT 3304, 3305; or 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.

**4380 Bioarchaeology**

Prerequisite(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.

**43C9 Anthropology Capstone**

Prerequisite(s): ANT 2302, 2304, and 2305; and senior standing.

Integration of knowledge and experiences acquired from anthropology courses, research, and field school.

**4680 Field School in Cultural Anthropology (Cross-listed as ENV 4680)**

Prerequisite(s): Consent of instructor.

Residence for five to six weeks in a selected area to observe and analyze social, economic, and environmental systems. (Fee)

**4690 Field School in Physical Anthropology**

Prerequisite(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 physical anthropology. (Fee)

**4V15 Research Methods in Cultural Anthropology**

**3 to 6 sem. hrs.**

Prerequisite(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.**

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.

**4V70 Special Topics in Anthropology**

**1 to 6 sem. hrs.**

Prerequisite(s): ANT 1305 and consent of instructor.

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.

**ARABIC (ARB)****1401 Elementary Spoken/Modern Standard Arabic**

Introduction to Arabic language and culture: pronunciation, grammar, conversation, and reading of simple texts.

**1402 Elementary Spoken/Modern Standard Arabic**

Prerequisite(s): ARB 1401 or two units of high school Arabic.

Continuation of ARB 1401.

**2310 Intermediate Spoken/Modern Standard Arabic**

Prerequisite(s): ARB 1401 and 1402 or three units of high school Arabic.

Conversation, composition, cultural readings, and grammar reviews.

**2320 Intermediate Spoken/Modern Standard Arabic**

Prerequisite(s): ARB 1401, 1402, and 2310 or four units of high school Arabic.

Continuation of ARB 2310.

**3302 Arabic Conversation and Composition**

Prerequisite(s): ARB 2320.

Advanced practice in oral and written communication.

**3304 Advanced Topics in Arabic Language and Literature**

Prerequisite(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.

**3V70 Special Topics**

Prerequisite/s: Consent of instructor and Division Director of Asian and African Languages, in the department of Modern Foreign Languages.

Independent study in Arabic Language, literature, or culture with a professor. With content changed, this course may be repeated once for a maximum of six hours of credit.

**ARAMAIC (ARA)****4303 Aramaic**

Prerequisite(s): HEB 2301 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.

**2304 Introduction to Biological Anthropology (Cross-listed as ANT 2304)**

See ANT 2304 for course information.

**2307 Introduction to Archaeology (Cross-listed as ANT 2307)**

See ANT 2307 for course information.

**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.

**2401 Methods of Archaeology (Cross-listed as ANT 2401)**

See ANT 2401 for course information.

**3303 Archaeology and the Bible (Cross-listed as REL 3303)**

See REL 3303 for course information.

**3307 Historical Archaeology (Cross-listed as ANT 3307)**

Prerequisite(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.

**3351 Ancient Civilizations of Mesoamerica (Cross-listed as ANT 3351)**

See ANT 3351 for course information.

**3401 Interpretation of Archaeological Data (Cross-listed as ANT 3401)**

See ANT 3401 for course information.

**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 AMS 4340, ANT 4340, and ENV 4340)**

See ANT 4340 for course information.

**4341 Archaeology of the Eastern Mediterranean (Cross-listed as ANT 4341)**

See ANT 4341 for course information.

**4342 Archaeology of Ancient Turkey (Cross-listed as ANT 4342)**

See ANT 4342 for course information.

**4348 Geoarchaeology (Cross-listed as ANT 4348 and GEO 4348)**

See GEO 4348 for course information.

**4353 Archaeology of North America (Cross-listed as AMS 4353 and 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.**

Prerequisite(s): Consent of instructor.

Current topics in archaeological research. May be repeated once for credit up to a total of six semester hours provided topic is different.

**ART (ART)****ART HISTORY COURSES****1300 Introduction to Art (for non-art majors only)**

Critical analysis of selected examples of architecture, painting, and sculpture (for non-art majors only). (Applicable toward fine arts humanities requirements for Bachelor of Arts degree.)

**1V91 Studies in Art History (for non-art majors only)**

**1 to 4 sem. hrs.**

Prerequisite(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 History of Art I**

**TCCNS: ARTS 1303**

Architecture, sculpture, painting, and the minor arts in relation to styles and culture patterns from prehistoric times to ca. A.D. 1400.

**2303 History of Art II**

**TCCNS: ARTS 1304**

Architecture, sculpture, painting, and the minor arts in relation to styles and culture patterns from A.D. 1400 to the present time.

**3352 Greek Art**

Prerequisite(s): ART 2302 and 2303.

A survey of Greek art from its beginnings through the first century B.C. with emphasis on stylistic developments, the contributions of known artists, and the relationship between art and various aspects of Greek life and thought.

**3353 Roman Art**

Prerequisite(s): ART 2302 and 2303.

A study of Roman art from the Republic to around A.D. 330 with special consideration given to an analysis of its artistic forms and their social and political meaning.

**3354 Medieval Art**

Prerequisite(s): ART 2302 and 2303.

Architecture, sculpture, and painting from the fourth to the fourteenth centuries with emphasis on artistic forms as expressions of and influences upon the intellectual, spiritual, social, and political aspects of medieval life.

**3356 Nineteenth Century European Art - AAI**

Prerequisite(s): ART 2302 and 2303.

Art of nineteenth century Europe with emphasis on developments in France, Germany, and England from Romanticism through Post-Impressionism.

**3357 Baroque Art**

Prerequisite(s): ART 2302 and 2303.

Art of Italy, France, Flanders, Holland, and Spain in the seventeenth century.

**3358 History of Impressionism and Post-Impressionism - AAI**

Prerequisite(s): ART 2302 and 2303.

Evolution of European Impressionism and Post-Impressionist reactions.

**3359 Northern Renaissance Art**

Prerequisite(s): ART 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.

**3360 Greek Painted Pottery (Cross-listed as CLA 3360)**

Prerequisite(s): ART 2302 or consent of instructor. ART 3352 is recommended.

Techniques and stylistic development of Greek painted pottery from the Late Aegean Bronze Age through the Late Classical and Early Hellenistic periods.

**3370 Key Monuments in European Art**

Prerequisite(s): ART 2302 and 2303.

Selected examples of art studies in situ in art centers of Europe, supplemented by readings, lectures, and collected illustrations and catalogs.

**3390 Philosophy and the Arts (Cross-listed as PHI 3322)**

See PHI 3322 for course information.

**4100 Field Studies in Art History - AAI**

Co-requisite(s): ART 3356, 3358, 4355, 4357, 4358 or 4362.

Prerequisite(s): ART 2302 and 2303; and consent of department chair.

Students with established success in art history research and report on special areas or topics in art history relevant to group destination. Requires concurrent enrollment in one of the courses listed and group travel to designated destination. May repeat for a maximum of four hours with a change in content. Course will not apply on a major or minor.

**4355 Special Topics in Early Modern Art - AAI**

Prerequisite(s): ART 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 (Cross-listed as AMS 4356)**

Prerequisite(s): ART 2302 and 2303; upper-level standing.

Artistic expression in the United States from 1900 to 1945.

**4357 American Art - AAI (Cross-listed as AMS 4357)**

Prerequisite(s): ART 2302 and 2303; and upper-level standing.

Artistic expression in the United States from the Colonial Period to 1900.

**4358 Contemporary Art - AAI (Cross-listed as AMS 4358)**

Prerequisite(s): ART 2302 and 2303; and upper-level standing.

American and European painting and sculpture from 1945 to the present.

**4359 Special Topics in Art History**

Prerequisite(s): ART 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.

**4362 Modern European Art - AAI**

Prerequisite(s): ART 2302 and 2303; and upper-level standing.

Modern art in Europe from Post-Impressionism to 1945.

**4365 Italian Renaissance Art**

Prerequisite(s): ART 2302 and 2303; and upper-level standing.

The major arts in Italy from the thirteenth to the sixteenth centuries with emphasis on sculpture and painting.

**4366 Mannerism**

Prerequisite(s): ART 2302 and 2303.

A seminar on the Mannerist style (c.1520-85) of 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**

Prerequisite(s): Art 2302 and 2303; and upper-level standing or consent of instructor.

A research seminar on a selected 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.

**4369 Greek and Roman Sport and Spectacle**

Prerequisite(s): ART 2302 or consent of instructor. Either ART 3352 or 3353 is recommended.

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**

Prerequisite(s): ART 2302 and 2303; and upper-level standing.

Sources, development, style, and meaning within the historical context of Michelangelo's art.

**4375 Art Theory and Criticism**

Prerequisite(s): ART 2302 and 2303; and upper-level standing.

Critical examination of theoretical issues in interpretation and evaluation of art.

**4396 Internship in Art History**

Prerequisite(s): 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**

Prerequisite(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.**

Prerequisite(s): ART 2302 and 2303; and upper-level standing; and consent of instructor and department chair.

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.

**STUDIO COURSES****1310 Drawing I****TCCNS: ARTS 1316**

Realization of content and form using a variety of drawing media and subjects. Emphasis on draftsmanship and personal statements; introduction to perspective. (Fee)

**1311 Drawing II****TCCNS: ARTS 1317**

Prerequisite(s): ART 1310.

Continuation of ART 1310. Gestural drawing will be stressed along with study of composition, structure, and development of images from a quick study into a more finished product. Emphasis on ability to draw quickly and with expression and accuracy. (Fee)

**1314 Design IA (Two-dimensional)****TCCNS: ARTS 1311**

Lines, shapes, values, colors, and textures in unified and varied organizations. Emphasis on imaginative development of spatial feeling, transitions, contrasts, and compositions. (Fee)

**1316 Design IB (Three-dimensional)****TCCNS: ARTS 1312**

Prerequisite(s): ART 1314.

Three dimensional, exploring form, space, line, surface and texture. Students engage in problem solving assignments using basic processes of carving, modeling, casting and construction. (Fee)

**2310 Figure Drawing I****TCCNS: ARTS 2323**

Prerequisite(s): ART 1311.

Studies of the human figure to secure structure and relationships. Emphasis on anatomy, tensions, and movement. (Fee)

**2311 Figure Drawing II****TCCNS: ARTS 2324**

Prerequisite(s): ART 2310.

Advanced studies of the human figure with more dependence upon anatomy and complicated figure arrangement. (Fee)

**2320 Introduction to Oil Painting (for non-art majors only)****TCCNS: ARTS 2316**

An introductory course in oil painting concepts covering a broad range of subject matter. The importance of brush stroke, color harmony, sound techniques, and composition is stressed through painting problems. Instruction includes group critiques and personal criticism. (Fee)

**2321 Introduction to Acrylic Painting (for non-art majors only)****TCCNS: ARTS 2317**

An introductory course in acrylic painting using a wide variety of subjects and approaches. The significances of technique and concept are emphasized by studio and outside work. Instruction includes both group and personal evaluations. (Fee)

**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)

**2325 Introduction to Lithography (for non-art majors only)**

An introduction to stone lithography. Technical skills related to processing and printing the lithograph will be studied. (Fee)

**2330 Introduction to Graphic Design (for non-art majors only)****TCCNS: ARTS 2331**

Graphic design principles, typography, and print production. (Fee)

**2332 Computer Aided Graphic Design (for non-art majors only)**

Prerequisite(s): ART 2330 or consent of instructor.

Introduction to the desktop computer as an artistic tool for typesetting, graphic design, and illustration. (Fee)

**2333 Graphic Communication (for non-art majors only)****TCCNS: ARTS 2332**

Prerequisite(s): ART 2332 or consent of instructor.

Traditional and computer aided techniques for the design and production of posters, folders, advertisements, and magazines. (Fee)

**2334 Photography IA (B&W) (for non-art majors only)****TCCNS: ARTS 2356**

Photography as a fine art media; 35mm camera operation; film processing; printing of black and white photographs; creative composition and content. (Camera, fee)

**2335 Photography IB (B&W) (for non-art majors only)****TCCNS: ARTS 2357**

Prerequisite(s): ART 2334.

Continuation of Photography IA, emphasizing historical and contemporary aesthetic issues within photography through problem-solving assignments. (Camera, fee)

**2340 Ceramic Design IA (for non-art majors only)****TCCNS: ARTS 2346**

Designing, shaping, decorating, glazing, and firing of clay forms such as tiles, pottery, and figures. (Fee)

**2341 Ceramic Design IB (for non-art majors only)****TCCNS: ARTS 2347**

Prerequisite(s): ART 2340.

A continuation of ART 2340 with emphasis upon creative aspects of the medium. (Fee)

**2344 Sculpture IA/Wood (for non-art majors only)****TCCNS: ARTS 2326**

Form, mass, structure, surface and scale using wood as the primary medium. Emphasis on construction, carving, bending and joinery through problem solving assignments. (Fee)

**2345 Sculpture IB/Metal (for non art majors only)****TCCNS: ARTS 2327**

Prerequisite(s): ART 2344.

Form, mass, structure, surface and scale using steel as the primary medium. Emphasis on welding construction, forging and shaping through problem solving assignments. (Fee)

**2350 Jewelry and Metalsmithing IA****TCCNS: ARTS 2341**

(for non-art majors only)

Study in the elementary design and techniques for the creation of jewelry and metals including lapidary, metal fabrication, combining of different materials, and lost wax casting. (Fee)

**3310 Advanced Drawing (Media)**

Prerequisite(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)

**3312 Figure Drawing III**

Prerequisite(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)

**3314 Fabric Surface Design**

Prerequisite(s): ART 1316 and 2310.

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.

**3315 Non-Woven Fiber/Fabric Structures**

Prerequisite(s): ART 1316 and 2310.

Investigation of historical and contemporary basketry techniques, felting, beading and other non-loom produced fiber/fabric constructions. Emphasis on expressing three-dimensional ideas.

**3316 Weaving**

Prerequisite(s): ART 1316 and 2310.

Introduction to loom weaving through the study of weave structures, fiber types and color relationships. Development of technical skill and design competency.

**3320 Oil Painting**

Prerequisite(s): ART 1316 and 2310.

Introductory course in painting with oil, working with concepts covering a wide range of subjects. Group and individual critiques concern the importance of brushstroke, color harmony, technical factors, and composition. (Fee)

**3321 Acrylic Painting**

Prerequisite(s): ART 1316 and 2310.

Continuation of ART 2321 with emphasis on the acrylic medium. Instruction includes both group and individual criticism. (Fee)

**3324 Intaglio**

Prerequisite(s): ART 1316 and 2310.

An introduction to etching and the other related intaglio processes. Technical skills related to drawing, processing, and printing will be studied. (Fee)

**3325 Lithography**

Prerequisite(s): ART 1316 and 2310.

An introduction to stone lithography. Technical skills related to processing and printing the lithograph will be studied. (Fee)

**3326 Woodcut**

Prerequisite(s): ART 1316 and 2310.

A study of relief printmaking. Emphasis will be given to the skills involved in cutting and printing the wood block. (Fee)

**3327 Silkscreen**

Prerequisite(s): ART 1316 and 2310.

An introduction to silkscreen printing. Technical methods involved in processing and printing will be studied. (Fee)

**3330 Design Methods**

Prerequisite(s): ART 2310.

Introduction to graphic design principles, creative process, problem-solving methodologies, theory, and conceptual development. (Fee)

**3332 Digital Media for Graphic Design**

Prerequisite(s): ART 3330 or art department approval.

The digital tools and requirements that assist in the solution and execution of graphic design problems. (Fee)

**3333 Type and Image**

Prerequisite(s): ART 3332.

An intermediate exploration of the combination of type and image emphasizing hierarchy, layout, grid, and other organizational structures of design. (Fee)

**3334 Photography IIA (B&W)**

Prerequisite(s): ART 1314.

Photography as a fine art medium; 35 mm camera operation; film processing; printing of black and white photographs; creative composition and element. (Camera, fee)

**3335 Photography IIB (B&W)**

Prerequisite(s): ART 3334.

Continuation of Photography IIA, emphasizing historical and contemporary aesthetic issues within photography through problem-solving assignments. (Camera, fee)

**3340 Ceramic Design IIA**

Prerequisite(s): ART 1316 and 2310.

An introduction to ceramics exploring various hand-built methods of construction, surface design, and decoration involving the use of glazes and slips, firing, and historical and contemporary aspects of the medium. (Fee)

**3341 Ceramic Design IIB**

Prerequisite(s): ART 3340.

A continuation of ART 3340. (Fee)

**3344 Sculpture IIA/Wood**

Prerequisite(s): ART 1316 and 2310.

Form, mass, structure, surface and scale using wood as the primary medium. Emphasis on construction, carving, bending and joinery through problem solving assignments. (Fee)

**3345 Sculpture IIB/Metal**

Prerequisite(s): ART 1316 and 2310.

Form, mass, structure, surface and scale using steel as the primary sculpture medium. Emphasis on welding construction, forging and shaping through problem solving assignments. (Fee)

**3350 Jewelry and Metalsmithing IIA**

Prerequisite(s): ART 1316 and 2310.

Study in the elementary design and techniques for the creation of jewelry and metals including lapidary, metal fabrication, combining of different materials, and lost wax casting. (Fee)

**4312 Figure Drawing IV**

Prerequisite(s): ART 3312.

Complex problems depicting the human figure using a medium or a combination of media. Emphasis is placed on individual development of skills and creative style. (Fee)

**4313 Problems in Fabric Design A**

Prerequisite(s): ART 3314 or 3316; upper-level standing; and consent of instructor.

Study of specific fabric design techniques and/or media selected by student in consultation with instructor.

**4314 Advanced Surface Design**

Prerequisite(s): ART 3314 and consent of instructor; upper-level standing.

Formal and improvisational screen printing processes. Emphasis on design and technical competency.

**4316 Problems in Fabric Design B**

Prerequisite(s): Art 3316 or 4314; upper-level standing; and consent of instructor

Advanced problems in woven fabric design selected by student in consultation with instructor.

**4320 Watercolor Painting**

Prerequisite(s): ART 1316 and 2310.

Techniques of the water-based media. Instruction gives much attention to creative style and individual criticism. (Fee)

**4321 Advanced Painting**

Prerequisite(s): ART 1316, 2310, and either 3320, 3321, or 4320.

Study of a specific painting medium selected by the student in consultation with the instructor. (Fee)

**4322 Problems in Painting B**

Prerequisite(s): ART 4321.

Advanced problems in media selected by the student in consultation with the professor. (Fee)

**4323 Problems in Painting C**

Prerequisite(s): ART 4321.

Advanced problems in media selected by the student in consultation with the professor. (Fee)

**4324 Advanced Intaglio**

Prerequisite(s): ART 3324.

A continuation of ART 3324 with emphasis upon creative expression with the metal plate. (Fee)

**4325 Advanced Lithography**

Prerequisite(s): ART 3325.

A continuation of ART 3325 with emphasis upon the creative aspects of aluminum plate lithography and color printing. (Fee)

**4329 Web Design**

Prerequisite(s): ART 3333.

Introduction to internet web page design with emphasis on process, concept, aesthetics, user experience, mark-up languages, and internet access software. (Fee)

**4330 Illustration**

Prerequisite(s): ART 2310, 3320, 3330 or 4320.

Illustrative art for graphic design. Emphasis on media, technique, style, and concept in advertising and editorial illustration. (Fee)

**4331 Package Design**

Prerequisite(s): ART 3332.

Graphic design concepts applied to the design of three-dimensional form such as packaging, point-of-sale, environmental, and/or exhibition design. (Fee)

**4332 Identity Design**

Prerequisite(s): ART 3332.

Introduction to the visual communication of identity development and branding. Emphasis on merging conceptual development with the aesthetic and implementation. (Fee)

**4333 Portfolio Preparation**

Prerequisite(s): ART 4332.

Portfolio preparation and management, interviewing, and presentation skills. (Should be taken the last semester prior to graduation.) (Fee)

**4334 Advanced Photography I (Color)**

Prerequisite(s): ART 3335.

Basic principles, processes and approaches to color photography through creative problem-solving assignments. (Camera, fee)

**4335 Advanced Photography II (Digital Imaging)**

Prerequisite(s): ART 3332 and 4334.

Basic principles, processes and approaches to digital imaging through creative problem-solving assignments. (Camera, fee)

**4336 Advanced Photography III**

Prerequisite(s): ART 4335.

Self-directed study of photographic media and aesthetic issues in consultation with the instructor. (Camera, fee)

**4337 Advanced Photography IV**

Prerequisite(s): ART 4336.

Continuation of ART 4336. (Camera, fee)

**4338 Studio Topics in Graphic Design**

Prerequisite(s): ART 3333.

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)

**4340 Ceramic Design IIIA**

Prerequisite(s): ART 3341.

Continuation of ART 3341 with instruction in ceramic materials and glaze formulation. (Fee)

**4341 Ceramic Design IIIB**

Prerequisite(s): ART 4340.

Continuation of Art 4340 with instruction in kiln design and construction. (Fee)

**4342 Ceramic Design IVA**

Prerequisite(s): ART 4341.

Continuation of ART 4341 with instruction in photo-documentation of completed works. (Fee)

**4343 Ceramic Design IVB**

Prerequisite(s): ART 4342.

Continuation and the culmination of ART 4342; development of a cohesive body of ceramic works and completion of a formal photographic portfolio. (Fee)

**4344 Advanced Sculpture I**

Prerequisite(s): ART 3344 and 3345.

Sculpture emphasizing the combination of materials, use of alternative materials, scale and presentation, mold making, castable materials, installation, and site specific work. (Fee)

**4345 Advanced Sculpture II**

Prerequisite(s): ART 4344.

Self-directed program in consultation with instructor. Examination of aesthetic issues in contemporary sculpture and the development of a personal vision. (Fee)

**4346 Advanced Sculpture III**

Prerequisite(s): ART 4345.

Continuation of ART 4345 plus a portfolio and other materials needed to pursue further development as a visual artist. (Fee)

**4347 Advanced Sculpture IV**

Prerequisite(s): ART 4346.

Continuation of ART 4346. (Fee)

**4395 Internship in Studio Art**

Prerequisite(s): ART 4332; and consent of department chair.

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.

**4V90 Special Problems in Studio Art**

**1 to 9 sem. hrs.**

Prerequisite(s): Written consent of the appropriate instructor.

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.

**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 (Cross-listed as GEOG 3315)**

See GEOG 3315 for course information.

**3345 World Religions (Cross-listed as MH 3345 and 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.

**4390 Reading Course in Political Science**

Prerequisite(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 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.

**1V03 Basic Flight Training**

Prerequisite(s): Consent of department chairperson.

Basic flight training conducted in accordance with Federal Aviation Administration regulations up to private license standards and pre-instrument flight rating requirements. May be repeated for credit provided content is different.

**2V03 Commercial or Instrument Flight Training**

Prerequisite(s): Departmental consent required.

Flight training conducted in accordance with Federal Aviation Administration regulations up to Commercial Pilot License standards or Instrument Flight Rating certificate requirements. May be repeated for credit provided content is different.



**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.

**3315 Advanced Aviation Meteorology**

Prerequisite(s): Admission to Aviation Sciences program.

Physical and chemical processes in the atmosphere which affect aviation including atmospheric motion, climatic conditions, and pollution. Weather map analysis and forecasts.

**3320 Aviation Operations**

Airline, corporate, and military flight operations with emphasis placed on daily operations environments and employment resources in the aviation industry.

**3360 Introductory Atmospheric Chemistry**

Prerequisite(s): CHE 1301; and either AVS 1311 or MTH 1321; and either AVS 1312 or MTH 1322.

Atmospheric chemistry involved with the various layers of the earth's atmosphere.

**4305 Special Topics in Aviation**

Prerequisite(s): Upper-level standing or consent of instructor.

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

**4310 Aviation Management**

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

**4311 Meteorology (Cross-listed as GEO 4314 and GEOG 4314)**

See GEOG 4314 for course information.

**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**

Prerequisite(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.

**4318 Avionics System Design (Cross-listed as ELC 4318)**

See ELC 4318 for course information.

**4320 Air Pollution Sampling and Testing**

Prerequisite(s): AVS 1311, 1312, 4305, and CHE 1301.

Air pollution characterization and movement, principles and operation of pollution measuring instruments, air sampling techniques both at ground level and using instrumented aircraft, an interpretation and analysis of the data obtained. For graduate credit, students will be assigned a project by the instructor in addition to the course work assigned to undergraduate students.

**4323 The Environment and Economic Analysis (Cross-listed as ECO 4323 and ENV 4323)**

See ENV 4323 for course information.

**4330 Aviation Fuels**

Prerequisite(s): AVS 1311, 1312, CHE 1301 or consent of instructor.

General overview of fuels, combustion processes including energy release and maximum flame temperature calculations, fuels specific to aviation-sources, properties, manufacture, and distribution. Alternative fuels for aviation-sources, properties, manufacture, distribution, pollution and other ecological issues, and safety issues. For graduate credit, students will be assigned a project.

**4340 Flight Performance Testing**

Prerequisite(s): AVS 1311, 1312, 4305; Private Pilot License; and credit or concurrent enrollment in AVS 4315; or consent of instructor.

Exploration of the theoretical and practical performance of aircraft including methods and techniques needed to determine airspeed calibration, climb and descent performance, level flight performance, takeoff and landing distance determinations, turning performance and energy performance. Practical flight tests will be conducted using different aircraft and aviation fuels.

**4386 Remote Sensing (Cross-listed as BIO 4386, ENV 4386, GEO 4386 and GEOG 4386)**

See GEO 4386 for course information.

**4390 Internship in Aviation**

Prerequisite(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.

**4485 Introduction to Geographic Information Systems (Cross-listed as ENV 4485, GEO 4485, and GEOG 4485)**

See GEOG 4485 for course information.

**4487 Advanced GIS Analysis (Cross-listed as ENV 4487, GEO 4487, and GEOG 4487)**

See GEOG 4487 for course information.

**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.

**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.

**1323 World of Rhetoric II: Rhetoric in Context**

Co-requisite(s): BIC 1324.

Prerequisite(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.

Prerequisite(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.

**1413 World of Rhetoric I**

Co-requisite(s): BIC 1212 and 1314.

Prerequisite(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.

Prerequisite(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.

Prerequisite(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.

**2340 Social World II: The Conditions and Possibilities of Human Fulfillment**

Co-requisite(s): BIC 2344

Prerequisite(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.

Prerequisite(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**

Prerequisite(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.

**2447 The Natural World II: Global Science Issues**

Prerequisite(s): BIC 2437.

A continuation of *The Natural World I*.**3358 Examined Life II: Biblical Heritage and Contemporary Ethical Issues**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): BIC 3358.

Synthesizes learning in two or more disciplines, or in some way connects modes or areas of learning not normally connected. This capstone course represents the culmination both of the Baylor Interdisciplinary Core experience and of the undergraduate experience. By integrating learning, and application, this course will bridge the gap between undergraduate life and life after graduation, leading students to form connections between their lives in the university and their lives in the wider community. The course will include significant written and oral projects. Religion majors and minors must repeat course once under a different topic.

**BIOINFORMATICS (BINF)****3350 Genomics and Bioinformatics (Cross-listed as BIO 3350)**

Prerequisite(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**

Prerequisite(s): BINF 3350 and CSI 3335.

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.**

Prerequisite(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**

Prerequisite(s): Senior standing. CSI 3335, BINF 3360.

A semester-long project course in which students will create a bioinformatics computing system. The project requires applying information technology according to established design management practices, including technical presentations (oral and written) by all students.

**BIOLOGY (BIO)****0305 The Biological Basis of Limnology**

Prerequisite(s): For graduate students only.

An introductory course on the unifying biological principles essential to the understanding of limnology. Restricted to and required of all students in the M.S. in Limnology program who do not have an undergraduate degree in a biological science. Credit for this course does not apply toward any degree program.

**1105 Modern Concepts of Bioscience Laboratory**

**TCCNS: BIOL 1106**

Prerequisite(s): BIO 1305 or concurrent enrollment.

Laboratory experiments illustrating modern concepts in the biological sciences, with emphasis on cell biology, metabolism, and genetics.

**1106 Modern Concepts of Bioscience Laboratory****TCCNS: BIOL 1107**

Prerequisite(s): BIO 1306 or concurrent enrollment.

Laboratory experiments illustrating modern concepts in the biological sciences, with emphasis on morphology, general physiology, and ecology.

**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.

**1305 Modern Concepts of Bioscience****TCCNS: BIOL 1306**

Prerequisite(s): Satisfactory performance on the ACT or SAT or completion of MTH 1304 with a grade of B or better or completion of MTH 1321 with a grade of C or better.

An introductory course on the unifying principles common to all levels of biological organization, with emphasis on cell biology, metabolism, and genetics. BIO 1305 is not a prerequisite for BIO 1306.

**1306 Modern Concepts of Bioscience, continued****TCCNS: BIOL 1307**

Prerequisite(s): Satisfactory performance on the ACT or SAT or completion of MTH 1304 with a grade of B or better or completion of MTH 1321 with a grade of C or better.

A continuation of the study of biological concepts with emphasis on morphology, general physiology, evolution, and ecology.

**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.

**1402 Introductory Microbiology**

Prerequisite(s): One course in biology or one course in chemistry or consent of instructor.

A study of the culture, morphology, and activities of representative types of microorganisms and their relation to health. Does not count toward a major in biology. (3-3)

**1403 Exploring the Living World**

Ecological issues in the media, including ecosystems and biodiversity. For non-majors.

**1405 Investigations of Modern Biology Concepts I**

Prerequisite(s): Consent of instructor.

An introductory course in 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.

**1406 Investigations of Modern Biology Concepts II**

Prerequisite(s): Consent of instructor.

Introduction to 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.

**1V90 Individual Topics****1 to 9 sem. hrs.**

Prerequisite(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.

**2106 Genetics Laboratory**

Prerequisite(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)

**2306 Genetics****TCCNS: BIOL 2316**

Prerequisite(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 and Physiology I****TCCNS: BIOL 2401**

Prerequisite(s): CHE 1300 or 1301; or consent of instructor.

An introductory course examining the organization of the human body and mechanisms for maintaining homeostasis. Topics include basic metabolism and 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 needed for a major in biology. (3-3)

**2402 Human Anatomy and Physiology II****TCCNS: BIOL 2402**

Prerequisite(s): BIO 2401 or consent of instructor.

Continuation of BIO 2401. 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 needed for a major in biology. (3-3)

**3100 Seminar in Biology**

Prerequisite(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. May be repeated once for credit when topics vary.

**3103 Ecology Laboratory**

Prerequisite(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.

**3124 Laboratory for Entomology**

Prerequisite(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.

**3300 Advanced Topics in Biology**

Prerequisite(s): BIO 1105-1305 and 1106-1306.

Advanced topics in biology not covered in other biology courses. Can be repeated once for credit if topic is different.

**3303 Ecology**

Prerequisite(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.

**3314 Medical Botany**

Prerequisite(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 pharmacognosy and humanistic botany, including a discussion of the major food plants, special medicinal plants, plant hallucinogens, poisonous plants, and other economically important plants. (3-0)

**3324 Entomology**

Prerequisite(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**

Prerequisite(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 2106 and 2306 or consent of instructor.

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)

**3340 Biology of Animal Behavior**

Prerequisite(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.

A study of animal behavior: animal orientation, instinctive behavior, learning, communication, and social behavior with emphasis on evolutionary and ecological relationships. (3-0)

**3341 Marine Field Studies (Cross-listed as GEO 3341)**

See GEO 3341 for course information.

**3342 Molecular Cell Biology**

Prerequisite(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.

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.

**3399 Bachelor's Thesis in Biology**

Prerequisite(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.

Interest in research. Course prerequisites to be determined by director. Prior to registration the student will choose a project, which must be approved by the director. The research will be presented orally and submitted in proper thesis form.

**3422 Human Physiology**

Prerequisite(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 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.

**3425 General Human Anatomy**

Prerequisite(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.

The organs and systems of the human body emphasizing relationships between structure, function, development and microscopic anatomy.



**3429 Comparative Chordate Anatomy**

Prerequisite(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)

**3435 Invertebrate Paleontology (Cross-listed as GEO 3435)**

See GEO 3435 for course information.

**3V90 Individual Topics**

**1 to 3 sem. hrs.**

Prerequisite(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.

**4001 Achievement Test**

Prerequisite(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.

**4100 Genetics Seminar**

Prerequisite(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 2106 and 2306.

Reading and discussion of advanced topics in genetics. A research paper is required. (1-0)

**4104 Medical Entomology Laboratory**

Prerequisite(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.

**4106 Molecular Genetics Laboratory**

Prerequisite(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 either BIO 2306 or CHE 4341; and credit or concurrent enrollment in BIO 4306; or consent of instructor.

Training and preparation for graduate work in genetic engineering, molecular ecology, or molecular medical research. Techniques include DNA isolation, cloning, southern blotting, PCR, DNA sequencing, and computer analysis of DNA sequence.

**4107 Laboratory Studies in Cell Physiology**

Prerequisite(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 4307.

Experimental aspects of cellular physiology and metabolism with emphasis on techniques in colorimetry and enzyme analysis. (0-3)

**4108 Cell and Developmental Biology Laboratory**

Prerequisite(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, and credit or concurrent enrollment in BIO 4308; or consent of instructor.

Modern experimental techniques of cell and developmental biology such as microscopy, mutant screening, immunoblotting, histochemistry, tissue culture, and cell adhesion assay will be covered during the course of laboratory exercises and students will have hands-on experience.

**4123 Laboratory for Parasitology**

Prerequisite(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.

**4301 Immunology**

Prerequisite(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 resistance to disease, host-antigen interactions, immunologic response mechanisms, immunologic techniques, and correlations of disease and the immune response. (3-0)

**4303 Molecular and Medical Biotechnology**

Prerequisite(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.

Production of medical and industrial products (e.g., vaccines, enzymes, pharmaceuticals); genetic manipulation of mice, livestock, plants, and microbes for medical research, agriculture, and environmental remediation; regulations, ethics, and patenting. Group capstone project: defend the technology platform of an existing biotechnology company.

**4304 Medical Entomology**

Prerequisite(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 consent of instructor.

Identification, biology, and management of arthropod pests, especially insects, transmitting diseases affecting man, livestock and wildlife.

**4306 Molecular Genetics**

Co-requisite(s): BIO 4106.

Prerequisite(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 either BIO 2306 or CHE 4341.

Techniques and strategies pertinent to work in genomics, proteonomics, and genetic engineering as well as cellular processes such as DNA replication, message expression, and cell signaling. Capstone project on analysis and presentation of published research is required.

**4307 Physiology and Biochemistry of the Cell**

Prerequisite(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.

Physiology and biochemistry of the cell; a correlation of the fine structure of the cell with metabolic pathways occurring therein. Undergraduate biology majors who choose this course to fulfill the physiology requirement must take both BIO 4307 and 4107.

**4308 Cell and Developmental Biology**

Co-requisite(s): BIO 4108.

Prerequisite(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 2306.

The mechanisms that regulate the development of multicellular organisms, from nematode to humans, will be examined using biochemical, genetic, and cell biological approaches. The course will investigate 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**

Prerequisite(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 3403 and any one of BIO 3424, 4414, 4420, 4422, 4425, 4427 or 4428.

Patterns of geographic distributions of animals and plants, and the physical and biological factors, and processes affecting geographic distributions. (3-0)

**4320 Pathophysiology**

Prerequisite(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 3422 or concurrent enrollment; or consent of instructor.

Pathophysiology of disease with emphasis on immunology, communicable disease, neoplasia, heredity, congenital problems, and degeneration as expressed in each organ system.

**4323 Parasitology**

Prerequisite(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.

**4330 Behavioral Genetics**

Prerequisite(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 2106 and 2306; or consent of instructor.

Biological and genetic foundations of animal behavior. (3-0)

**4331 Science Leadership: Community-Based Medical Research**

Prerequisite(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 medical and public health problems.

**4333 Science Leadership: Improvement of Science Education**

Prerequisite(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**

Prerequisite(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.

**4352 Evolutionary Developmental Genetics**

Prerequisite(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 2306, and upper-level standing; or consent of instructor.

Integration of Evolutionary Biology and Developmental Biology into a common framework. The focus will be on the evolution of developmental pathways in order to explain the evolution of animal morphology.

**4365 Topics in Evolution**

Prerequisite(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)

**4366 Foundations of Evolutionary Biology**

Prerequisite(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.

**4370 Biological Principles and Clinical Decision-Making**

Prerequisite(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 3422 or concurrent enrollment; or consent of instructor.

Qualitative and quantitative fundamentals of clinical diagnosis and evidence-based medicine in the context of basic anatomy, physiology, biochemistry, and epidemiology.

**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 and GEOG 4386)**

See GEO 4386 for course information.

**4401 General Microbiology**

Prerequisite(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. Laboratory studies emphasize pure culture methods and identification of unknowns. (3-4)

**4402 Transmission Electron Microscopy**

Prerequisite(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.

Use and operation of the transmission electron microscope and ancillary equipment as instruments of biological research, with special emphasis on tissue preparation, sectioning, examination, data acquisition, and photography.

**4403 Scanning Electron Microscopy**

Prerequisite(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.

Use and operation of the scanning electron microscope and support equipment. Specimen preparation, specimen examination, data acquisition, and data analysis will be emphasized.

**4405 Limnology**

Prerequisite(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)

**4406 Aquatic Biology**

Prerequisite(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)

**4414 Taxonomy of Flowering Plants**

Prerequisite(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 by the use of a dichotomous key emphasizing flowering plants of the Central Texas area as topics of study, and recognition of the major families of vascular plants. Lecture emphasis is on current problems in plant taxonomy and systematics. (3-3)

**4416 Plant Anatomy**

Prerequisite(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)

**4417 Plant Physiology**

Prerequisite(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. (3-3)

**4418 Biology of Wetland and Aquatic Vascular Plants**

Prerequisite(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)

**4420 Biology of the Vertebrates**

Prerequisite(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)

**4422 Ichthyology**

Prerequisite(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)

**4426 Vertebrate Histology**

Prerequisite(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.

Microscopic structure of vertebrate tissues and organs. (3-3)

**4427 Biology of Mammals**

Prerequisite(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.

**4428 Ornithology**

Prerequisite(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)

**4430 Vertebrate Paleontology (Cross-listed as GEO 4430)**

Prerequisite(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)

**4431 Comparative Vertebrate Physiology**

Prerequisite(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.

**4V04 Biology Field Studies****1 to 9 sem. hrs.**

Prerequisite(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.

**BIOMEDICAL ENGINEERING (BME)****4353 Image Formation and Processing (Cross-listed with ELC 4353)**

See ELC 4353 for course information.

**4370 Biomaterials: Form and Function**

Prerequisite(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)

**4372 Bioinstrumentation (Cross-listed as ELC 4372)**

See ELC 4372 for course information.

**4374 Biomechanics**

Prerequisite(s): ELC 3335.

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)

**4396 Special Topics in Biomedical Engineering**

Prerequisite(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**

Prerequisite(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.**

Prerequisite(s): Consent of department chair.

Advanced topics and/or special project activities in biomedical engineering.

## **BUSINESS (BUS)**

### **1125 Computer Keyboarding**

Taught for students who do not know the typewriter and microcomputer keyboards. Students will learn the keyboard on IBM personal computer using keyboard diskettes and word processing software. Credit will be earned after student reaches required competencies.

### **1301 Business, the Economy, and World Affairs**

A foundations course that emphasizes decision making in an ever-changing world economy. The focus is on building a foundation for key success factors and life skills, including communications, global and cultural awareness, team-based decision making, critical thinking, and technological competence. Some emphasis is placed on career guidance.

### **3302 Personal Financial Decisions**

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, automobiles, appliances); and estate planning. (This course will not count toward either BBA or BA-Business degree.)

### **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 Integrated Business Writing**

Prerequisite(s): ENG 1302 and 1304; or BIC 1323 and 1413.

A foundation course in business communication. Topics include an examination of the theory base; the development of effective style; and strategic approaches to letters, memoranda, reports, and other workplace-related documents. Also included is the study of information technology that supports business research and reporting tasks.

### **3345 Training and Development in Business and Industry**

Prerequisite(s): Upper-level standing.

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**

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**

Prerequisite(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)**

Prerequisite(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**

Prerequisite(s): FIN 3310; MKT 3305; MGT 3305 or AS 3301; and MGT 3325. Prerequisites must be successfully completed prior to enrolling in BUS 4385. May not be taken for graduate credit. Not open to PBUS students.

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.

### **4395 Internship in Business**

Prerequisite(s): Consent of the instructor; not open to pre-business students.

Supervised work in an area of business which corresponds with the student's major. Applications for and requirements of a particular internship are available from the department chair in the student's major.

### **4V98 Special Studies in Business**

**1 to 3 sem. hrs.**

Prerequisite(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**

Prerequisite(s): A minimum grade of C in BUS 1301 and either a minimum grade of C in ACC 2303 or a minimum grade of C in ECO 2306.

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**

Prerequisite(s): Junior standing or consent of instructor.

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**

Prerequisite(s): Upper-level standing or consent of instructor.

A study of legal issues relating to cyberspace and the management of technology. Students will examine emerging cyberlaw issues such as jurisdiction; ownership and protection of intellectual property; electronic commerce; regulation of privacy, security, and online speech; and computer crimes, as well as international law and ethical issues in this area. The course is designed to provide an active learning environment for business students to prepare them to effectively manage technological innovations.

#### **4320 International Business Law (Cross-listed as INB 4320)**

Prerequisite(s): BL 3305 or consent of instructor.

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**

Prerequisite(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.

#### **4V98 Special Studies in Business Law**

**1 to 3 sem. hrs.**

Prerequisite(s): BL 3305 and consent of instructor.

May be taken for 3 hours credit, and may be repeated under different topic.

### **CHAPEL (CHA)**

#### **1088 Chapel**

### **CHEMISTRY (CHE)**

#### **1100 Introductory Chemistry Laboratory**

**TCCNS: CHEM 1105**

Prerequisite(s): Credit or concurrent registration in CHE 1300.

Laboratory investigations of chemical reactions and properties of common, everyday materials.

#### **1101 General Chemistry Laboratory I**

Prerequisite(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.

**1102 General Chemistry Laboratory II**

Prerequisite(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.

**1146 Introductory Organic Biochemistry Laboratory**

Prerequisite(s): Credit or concurrent registration in CHE 1341.

Laboratory experiments illustrating principles of organic chemistry and biochemistry.

**1300 Introductory Chemistry****TCCNS: CHEM 1305**

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****TCCNS: CHEM 1311**

Prerequisite(s): For professional and science majors. A satisfactory score on either SAT math or ACT math, with completion of high school chemistry strongly recommended; or a minimum grade of B in CHE 1300 and a minimum grade of B in either MTH 1304 or MTH 1321.

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****TCCNS: CHEM 1312**

Prerequisite(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**

Prerequisite(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.

**1V98 Special Research Problems****0 to 3 sem. hrs.**

Prerequisite(s): CHE 1302 and 1316; 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.

**2216 Laboratory Measurements and Techniques**

Prerequisite(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.

**2V98 Extended Research Problems****0 to 3 sem. hrs.**

Prerequisite(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**

Prerequisite(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.

### **3331 Organic Chemistry I**

Prerequisite(s): CHE 1302.

Chemistry of organic compounds which primarily contain the less polar functional groups. Topics include reaction mechanisms, stereochemistry and organic spectroscopy.

### **3332 Organic Chemistry II**

Prerequisite(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**

Prerequisite(s): CHE 1341.

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**

Prerequisite(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**

Prerequisite(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.

### **4125 Biophysical Chemistry Laboratory**

Prerequisite(s): CHE 1316 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.

### **4127 Physical Chemistry Laboratory I**

Prerequisite(s): CHE 1316 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.

### **4128 Physical Chemistry Laboratory II**

Prerequisite(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.

### **4141 Modern Biochemistry Laboratory**

Prerequisite(s): CHE 2216, 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.

**4142 Advanced Biochemistry Laboratory**

Prerequisite(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.

**4151 Undergraduate Seminar I**

Prerequisite(s): CHE 3332 and senior standing.

Presentation of a seminar derived from the recent literature in an area of chemistry designated by the instructor.

**4152 Undergraduate Seminar II**

Prerequisite(s): CHE 4151.

Additional experience in seminar presentations derived from the recent literature in an area of chemistry designated by the instructor.

**4199 Senior Thesis**

Prerequisite(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**

Prerequisite(s): CHE 3238 and either 4125 or 4127; 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.

**4217 Instrumental Analysis Laboratory**

Prerequisite(s): CHE 4125 or 4127, and either credit or concurrent registration in CHE 4316.

Laboratory work in instrumental analysis with an emphasis on spectroscopy, separations, and electrochemical methods.

**4237 Advanced Organic Laboratory**

Prerequisite(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.

**4301 Inorganic Chemistry**

Prerequisite(s): CHE 4321.

Quantum mechanics, prediction of reaction energetics by thermodynamics (Born-Haber cycles and oxidation potentials), ionic crystals and radii, structure and bonding theories, coordination chemistry, kinetics and mechanics, and acid-base theories.

**4307 Advanced Inorganic Chemistry**

Prerequisite(s): CHE 4321 and CHE 4301.

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**

Prerequisite(s): CHE 4321 or 4327.

Introduction to instrumental methods of analysis including spectroscopy, separations, and electrochemical methods.

**4321 Physical Chemistry I**

Prerequisite(s): CHE 1316, 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**

Prerequisite(s): CHE 1316, 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.

**4324 X-ray Diffraction and Spectroscopy**

Prerequisite(s): CHE 4321 or consent of instructor.

Principles of X-rays, X-ray diffraction, and X-ray spectroscopy. These principles will be applied to the qualitative and quantitative analysis of solids. Practical experience with X-ray equipment will be required.

**4327 Physical Chemistry for the Life Sciences**

Prerequisite(s): CHE 1316, 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**

Prerequisite(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**

Prerequisite(s): CHE 3238 and 3332 with grades of B or above; or consent of instructor.

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**

Prerequisite(s): CHE 3332.

Structure and dynamics of compounds of biological interest.

**4342 Topics in Human Biochemistry**

Prerequisite(s): A grade of C or better in CHE 4341 or BIO 4307 or BIO 4341.

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.**

Prerequisite(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.**

Prerequisite(s): CHE 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 once if research continues. Departmental clearance is required before a grade can be assigned.

**CHINESE (CHI)****1401 Elementary Chinese****TCCNS: CHIN 1411**

Introduction to the Chinese language and culture: pronunciation, grammar, reading of simple texts and conversation.

**1402 Elementary Chinese****TCCNS: CHIN 1412**

Prerequisite(s): CHI 1401 or 2 units of high school Chinese.

Continuation of CHI 1401.

**2310 Intermediate Chinese**

Prerequisite(s): CHI 1401 and 1402 or three units of high school Chinese.

Conversation, composition, cultural readings, and grammar review.

**2320 Intermediate Chinese**

Prerequisite(s) CHI 1401, 1402, and 2310 or four units of high school Chinese.

Continuation of CHI 2310.

**3301 Chinese Conversation, Composition, and Readings I**

Prerequisite(s): Fourteen semester hours of Chinese or consent of division director.

Development of communication and reading skills.

**3302 Chinese Conversation, Composition, and Readings II**

Prerequisite(s): Fourteen semester hours of Chinese or consent of division director.

Continuation of CHI 3301.

**3305 Chinese for Business I**

Prerequisite(s): CHI 2320.

Chinese language study centered on the development and mastery of business-related vocabulary and communication skills. Classes conducted in Chinese.

**3306 Chinese for Business II**

Prerequisite(s): CHI 2320.

Case studies of international corporations moving into China and Chinese companies developing in other countries. Classes conducted in Chinese.

**3V70 Special Problems****1 to 3 sem. hrs.**

Prerequisite(s): Consent of division director.

With content changed, this course may be repeated once for credit.

**4301 Chinese Literature and Culture I**

Prerequisite(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**

Prerequisite(s): CHI 3302 or consent of instructor.

An analytical study of the representative works of literature, history, and philosophy since the Wei dynasty.

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**CHURCH-STATE STUDIES (CHS)****2304 Foundations of Religious Liberty**

Survey of church-state relations in western society from ancient times to the present with special attention given to the historical antecedents and development of separation of church and state in America as well as recent constitutional debates concerning the religion clauses of the First Amendment.

**2310 Law, Science, and Society (Cross-listed as PHI 2310)**

See PHI 2310 for course information.

**2342 The Christian Church in Africa (Cross-listed as REL 2342)**

See REL 2342 for course information.

**3309 Religion and Society (Cross-listed as REL 3340 and SOC 3309)**

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.

**3339 Law and Religion in the United States (Cross-listed as AMS 3339, PSC 3339, and REL 3339)**

An examination of the relationships between government and religion in the American experience. Special attention is given to United States Supreme Court decisions dealing with matters such as prayer and Bible reading in public schools, government aid to church-related schools, and religious liberty rights of individuals and churches. Note for undergraduate religion majors: This course or CHS 4360 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.

**4303 International Human Rights (Cross-listed as PSC 4303)**

Prerequisite(s): Upper-level standing.

The philosophy and implementation of human rights protection in the United States and abroad.

**4314 Religion and Politics in Contemporary Africa**

Prerequisite(s): Junior or senior standing.

The dynamic relationship between religion and politics in selected African countries south of the Sahara.

**4350 Religion and Terrorism in the Modern World (Cross-listed as HON 4350)**

Prerequisite(s): Upper-level standing.

Religious-based terrorism and its motivating forces in the age of globalization and sophisticated information technology.

**4360 Religion and the Body Politic (Cross-listed as HIS 4360, PSC 4360, and REL 4360)**

Theological foundations, historical roles, and political directions of religion in the body politic in the United States. Particular attention will be given to the ways in which religion has been and is involved in the body politic and the political consequences of religion in the life of the nation. Note for undergraduate religion majors: This course or CHS 3339 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.

**4367 The Non-Christian Experience & U.S. Church-State Relations**

The non-Christian experience in American society and political life, with particular attention to Muslim, Jewish, Buddhist, and Hindu experiences in America from the colonial era to the present.

**4370 Politics and Religion (Cross-listed as PSC 4370)**

See PSC 4370 for course information.

**4373 Christianity and Marxism (Cross-listed as REL 4373)**

Prerequisite(s): Upper-level standing.

An interdisciplinary inquiry into the Marxist critique of religion and the Church.

**4376 Eastern Perspectives on Church and State (Cross-listed as HIS 4376)**

Prerequisite(s): Upper-level standing.

The theory and practice of “church-state” relations from the “Eastern” perspective. Special attention will be paid to the question of the nature of power and its utilization in both secular and spiritual realms.

**4378 Religion & Politics in the Middle East (Cross-listed as MES 4378)**

Prerequisite(s): Upper-level standing.

An examination of the relationship between religion and politics in select countries of the Middle East.

**4379 Islam and Democracy (Cross-listed as PHI 4379 and PSC 4379)**

Prerequisite(s): Upper-level standing.

Examines the evolution of political philosophy and institutions in Muslim culture.

**4385 Religious Ethics in a Liberal Democracy (Cross-listed as PHI 4385)**

Prerequisite(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.

**4V13 Readings in Church and State****1 to 3 sem. hrs.**

Prerequisite(s): CHS 2304.

An independent readings course to be conducted with one of the professors in the Institute of Church-State Studies. May be repeated under a different topic, but not to exceed a maximum of three degree hours.

**CIVIC EDUCATION AND COMMUNITY SERVICE (CCS)****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.

**3300 Citizenship, Community, and Service Learning**

Prerequisite(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.



**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)**

Prerequisite(s): Upper-level standing.

Introduction to legal practice. Contains community service component and required internship in legal offices.

**CLASSICS (CLA)****1301 Vocabulary Development**

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.

**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.

**3301 Roman Civilization**

The customs, religious beliefs, institutions and literature of ancient Rome. Readings in translation include Virgil, Cicero, Tacitus, and/or Seneca.

**3302 Greek Civilization**

Ancient Greek customs, religious beliefs, art, architecture, literature, and institutions, which serve as a basis for Western Civilization. Readings in translation include Homer, Herodotus, pseudo-Xenophon, Aeschylus, Sophocles, Aristophanes, and lyric poets.

**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.

**3360 Greek Painted Pottery (Cross-listed as ART 3360)**

See ART 3360 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.)

**3381 Medical Terminology**

Study of the medical vocabulary of English, based upon Greek and Latin prefixes, stems, and suffixes.

**4301 Principles of Classical Studies**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): 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.

**4350 Augustine's Theological Development (Cross-listed as REL 4350)**

See REL 4350 for course information.

**4360 Indo-European Language and Culture**

Prerequisite(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.

**4V01 Topics in Classical Literature**

Prerequisite(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.

**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 regarding education of the deaf/hard of hearing.

**1405 American Sign Language I**

Introduction to American Sign Language and Deaf culture: grammar, lexicalized signs, numbers and basic conversational language.

**1406 American Sign Language II**

Prerequisite(s): CSD 1405.

Continuation of CSD 1405.

**2301 American Sign Language III**

Prerequisite(s): Minimum grade of C in CSD 1406.

Development of intermediate skills: grammar, numbers, non-manual markers, emphasis on expressive language.

**2302 American Sign Language IV**

Prerequisite(s): CSD 2301.

Continuation of CSD 2301. Introduction to the literature and poetry of American Sign Language.

**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.

**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 Articulation**

Disorders of articulation and phonologic processes, including etiology methods of assessment, and techniques for remediation.

**3310 Principles of Interpreting**

Prerequisite(s): CSD 1406.

The profession of interpreting, including Code of Ethics, certification criteria, roles and responsibilities of an interpreter, and compensation.

**3312 Deaf Studies**

Historical perspective of the deaf community including structure, values, social interaction, and education.

**3357 Anatomy and Physiology**

A study of the anatomy and physiology of speech.

**4249 Clinical Application of Speech-Language Pathology**

Prerequisite(s): CSD 4477 or concurrent enrollment.

Clinical application of approaches for identifying, assessing, and treatment of individuals with communication disorders.

**4301 Introduction to Clinical Audiology**

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 Therapy**

Basic principles of therapy for children with language problems, including evaluation.

**4309 Organic Communication Disorders**

Prerequisite(s): CSD 3357.

Incidence, etiology, and symptoms of cerebral palsy, cleft palate, and aphasia. Therapy techniques and procedures.

**4312 Advanced Clinical Audiology**

Prerequisite(s): CSD 4301.

Routine and advanced audiologic measures, including masking and evoked-potential tests. Practical clinical experiences.

**4322 ASL/English Interpreting I**

Prerequisite(s): CSD 2302.

Communication theory and its application to interpreting situations, development of intralingual skills in ASL, translation to and from written English texts, and consecutive interpreting.

**4323 ASL/English Interpreting II**

Prerequisite(s): CSD 2302 and 4322.

A continuation of ASL/English Interpreting I. Continued development of interpreting skills, including appropriate modality, language levels, and accuracy of message.

**4352 Diagnostic Methods**

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**

Basic sciences underlying speech and hearing: physics of sound, the decibel, instrumentation, speech production, speech perception, and audition.

**4360 Language and Reading Instruction - Deaf I**

Prerequisite(s): CSD 1360 and 2360.

Methodologies in teaching literacy for deaf and hard of hearing using bilingual assessment and intervention.

**4361 Language and Reading Instruction - Deaf II**

Prerequisite(s): CSD 4360.

A continuation of methodologies in teaching literacy for deaf and hard of hearing using bilingual approaches.

**4368 Introduction to Aural Rehabilitation**

Prerequisite(s): CSD 4301 or consent of instructor.

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.

**43C8 Advanced Speech-Language Pathology, Capstone**

Prerequisite(s): Senior communication sciences and disorders majors only.

A capstone course expanding on all aspects of the undergraduate CSD curriculum and providing advanced Speech-Language Pathology applications.

**4477 Clinical Methods**

Prerequisite(s): CSD 1308 and 3308.

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.

Prerequisite(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.

Prerequisite(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, observation of lessons taught by mentor teachers, and preparation of electronic portfolio.

**4662 Internship II Deaf and Hard of Hearing EC-12 Part 1**

Co-requisite(s): CSD 4663.

Prerequisite(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.

Prerequisite(s): Minimum grade of B in both CSD 4660 and 4661.

Continuation of CSD 4661.

**4V30 Fingerspelling****1 to 3 sem. hrs.**

Prerequisite(s): CSD 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.**

Prerequisite(s): Fifteen semester hours in Communication Sciences and Disorders.

A conference course providing additional study in communication sciences and disorders. May be repeated once for credit.

**COMPUTER SCIENCE (CSI)****1302 Introduction to Computer Science Education****TCCNS: COSC 1311**

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.)

**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.

**1336 Introduction to Programming with Engineering Applications**

Prerequisite(s): EGR 1302.

Introduction to programming and software design in C featuring elementary data structures and engineering application areas.

**1340 Introduction to Computer Science II**

Prerequisite(s): CSI 1430.

Continuation of CSI 1430. Introduction to basic aspects of recursion, search/sort methods, and data structures using C++.

**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.

**1440 Introduction to Computer Science II with Laboratory**

Prerequisite(s): CSI 1430.

Continuation of CSI 1430. Introduction to basic aspects of arrays, pointers, classes, inheritance, polymorphism, virtual functions, linked lists, stacks, queues, and binary trees.

**2334 Introduction to Computer Systems**

Prerequisite(s): Minimum grade of B in CSI 1440, and credit or concurrent enrollment in CSI 2350.

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**

Prerequisite(s): CSI 1440 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**

Prerequisite(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.)

**3324 Numerical Methods (Cross-listed as MTH 3324)**

Prerequisite(s): 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**

Prerequisite(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.

**3333 Simulation Models**

Prerequisite(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.

**3334 Data Structures**

Prerequisite(s): Minimum grade of B or better in CSI 1440.

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**

Prerequisite(s): CSI 3471.

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.

**3336 Systems Programming**

Prerequisite(s): CSI 2334.

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.

**3338 Computer Organization (Cross-listed as ELC 3338)**

See ELC 3338 for course information.

**3342 Principles of Software Design**

Prerequisite(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.

**3344 Introduction to Algorithms**

Prerequisite(s): 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.

**3372 Software Engineering II**

Prerequisite(s): CSI 3471.

Analysis, Design, and Project Management. Applying a development design process to produce high quality software. Topics include: identifying user requirements; performing problem analysis to produce process oriented documentation; using UML notation to create design models and diagrams; investigating and applying design patterns; project management; configuration management. Completing software project applying development process using an object-oriented language.

**3373 Software Quality Assurance and Testing**

Prerequisite(s): 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**

Prerequisite(s): CSI 3471.

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.

**3410 Introduction to Game Development**

An introduction to game development, design and production. Aspects of game development and evaluation are introduced, including critical game studies, game design, game programming languages, architecture, mathematics, collision detection, physics, graphics, animation, artificial intelligence, audio, networking, audio visual design and production, game production and the business of games. (Not applicable to a major in computer science.)

**3439 Computer Architecture**

Prerequisite(s): CSI 2334.

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.

**3471 Software Engineering I**

Prerequisite(s): 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.

**3V95 Internship Experience****1 to 3 sem. hrs.**

Prerequisite(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**

Prerequisite(s): Consent of instructor.

Introduction of computer science research opportunities to interested computer science undergraduates.

**4301 Cultural Impact of the Computer**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): 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.

**4328 Numerical Linear Algebra (Cross-listed as MTH 4328)**

See MTH 4328 for course information.

**4330 Foundations of Computing**

Prerequisite(s): CSI 3344.

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**

Prerequisite(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**

Prerequisite(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.

**4336 Introduction to Computation Theory**

Prerequisite(s): CSI 3344.

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**

Prerequisite(s): 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)

**4341 Computer Graphics**

Prerequisite(s): CSI 3334 and 3336.

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. The Graphical Kernel System (GKS) will be the graphic system model used for programming assignments. (Fee)

**4342 Gaming Platform Frameworks**

Prerequisite(s): CSI 4341.

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.

**4344 Object-Oriented Development**

Prerequisite(s): CSI 3342.

Object-oriented analysis and design methods. Group software projects. (Fee)

**4350 Introduction to Artificial Intelligence**

Prerequisite(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**

Prerequisite(s): CSI 3335, 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**

Prerequisite(s): CSI 3372, 4321, 4337, and 4342; 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.

**43C9 Capstone Design Project**

Prerequisite(s): Senior standing and CSI 3335, 3372, 4321, and 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.

**4V96 Special Topics in Computer Science**

Prerequisite(s): Consent of department chair.

**1 to 9 sem. hrs.**

## COMPUTER SCIENCE FELLOWS (CSF)

### 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

Prerequisite(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.

## CURRICULUM AND INSTRUCTION (EDC)

### 1200 College Reading and Study Skills

Students will be trained to use reading and study strategies for success in college-level course work. Emphasis will be given to developing strategies for learning content-specific and technical vocabulary; analyzing, organizing, and recalling information presented in textbooks; taking notes from lectures and class discussions; and preparing for and taking tests. Strategies for managing factors related to studying, such as time management, developing an appropriate environment for study, using the library, and managing attention will also be developed. An assessment of reading achievement and study habits and attitudes will be included. The course may be repeated once for credit. (Lab fee required.)

### 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.

## ECONOMICS (ECO)

### 1301 Economic and Business History

A survey of economic history with special emphasis on the United States' role in the world economy. The course examines not only historical events but also the evolution of economic ideas. Among the topics covered are early economic systems, immigration, entrepreneurs, labor unions, the Great Depression, and the emergence of the global economy.

### 1305 Survey of Economic Principles for Non-Business Majors (Cross-listed as AMS 1305)

An introduction to basic economic principles and problems of contemporary society. Surveys the fundamentals of private enterprise and the economic role of government. Topics include

competitive and monopolistic markets, income distribution, inflation, recession, monetary policy, and international trade. A student with credit in ECO 1305 may not earn credit in either ECO 2306 or 2307.

### **1380 Introduction to Economic Analysis and Policy**

Prerequisite(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**

**TCCNS: ECON 2302**

Microeconomic analysis including the theories and applications of demand, production, industrial organization, international trade, and Christian ethics in economic decisions. A student with credit in ECO 1305 may not earn credit in ECO 2306.

### **2307 Principles of Macroeconomics**

**TCCNS: ECON 2301**

Prerequisite(s): Minimum grade of C in ECO 2306 and cumulative GPA of 2.5 or higher.

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. A student with credit in ECO 1305 may not earn credit in ECO 2307.

### **3305 Money and Banking**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307.

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. (Will not count toward a major in economics.)

### **3306 Intermediate Microeconomic Analysis**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; and MTH 1309 or MTH 1321; and junior standing.

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**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307.

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.)

### **3330 Economic Geography (Cross-listed as GEOG 3330 and INB 3330)**

A study of the effects of geography and resource availability on the pattern of world land use, population growth and migration, technological change, transportation system development, output growth, capital flows, and tariff policy. Not open to economics majors.

**3331 International Economics**

Prerequisite(s): ECO 1305, or a minimum grade of C in 2306 and 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.

**3335 The Economics of Gender**

Prerequisite(s): Junior standing.

Economic inequalities between the sexes emphasizing possible causes and likely effects of various public policies. Designed for liberal arts students; no previous economics is required. Not open for economics majors.

**3355 Introduction to the Economics of Poverty and Discrimination (Cross-listed as SOC 3355)**

Prerequisite(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.)

**4312 Business Cycles and Forecasting**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; not open to pre-business students.

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.

**4316 Industrial Organization**

Prerequisite(s): ECO 3306; not open to pre-business students.

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**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; and junior standing; not open to pre-business students.

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. Not open to students who have had PSC 4380.

**4318 Law and Economics**

Prerequisite(s): A minimum grade of C in ECO 2306 and junior standing; not open to pre-business students.

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**

Prerequisite(s): A minimum grade of C in ECO 2306 or consent of instructor; not open to pre-business students.

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**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; and junior standing; not open to pre-business students.

Sources of public revenues, problems of the revenue system, public expenditures and budgeting, and public borrowing.

**4322 Forensic Economics**

Prerequisite(s): Minimum grade of C in ECO 2306, 2307, and ACC 2304; not open to pre-business students.

Theory and practice of forensic economics in the measurement of damages in litigation. Of special interest to pre-law students and students interested in litigation support consulting. Topics include projecting earnings increases, projecting medical care costs, the admissibility of data and testimony in the courtroom, and ethics in forensic economics.

**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**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; and junior standing; not open to pre-business students.

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.

**4327 E-Commerce Economics**

Prerequisite(s): ECO 2306 and 2307 or consent of instructor; not open to pre-business students.

This course applies tools of economic analysis to evaluate the evolving role of electronic commerce in the United States and world economies. The course addresses theories of firm conduct and performance in the electronic marketplace; the role of information and e-commerce intermediaries; the economics of Internet advertising; intellectual property rights of digital products; national and international public-policy issues of e-commerce; the financial and monetary implications of electronic trading; and the broader implications of e-commerce for United States and world economic activity.

**4331 African Economic Development (Cross-listed as INB 4341)**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; not open to pre-business students.

Problems of economic development faced by the nations of Africa. Topics covered will include poverty, healthcare, agriculture, population growth, education, the role of women, rural-urban migration, industrialization, trade, aid, debt, and economic reforms.

**4332 Economic Problems of Latin America (Cross-listed as INB 4332)**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; and junior standing; not open to pre-business students.

Evolution of the economies of Latin America with particular emphasis on present structures and policies.

### **4333 Foreign Exchange Markets (Cross-listed as INB 4333)**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; and junior standing; not open to pre-business students.

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)**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; and junior standing; not open to pre-business students.

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)**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; and junior standing; not open to pre-business students.

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**

Prerequisite(s): ECO 3306; not open to pre-business students.

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)**

Prerequisite(s): Junior standing; not open to pre-business students.

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**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 and 2307; and junior standing; not open to pre-business students.

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**

Prerequisite(s): A minimum grade of C in ECO 2306 and 2307; and MTH 1309 or MTH 1321; and junior standing; not open to pre-business students.

Designed to acquaint the student with rudimentary mathematical techniques and their application to economic analysis.

### **4347 Econometrics**

Prerequisite(s): A minimum grade of C in ECO 2306, ECO 2307 and either QBA 2305, STA 1380, STA 2381, or STA 3381, and junior standing, or consent of instructor; not open to pre-business students.

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.

**4350 Economics of Health and Medical Care (Cross-listed as MH 4350)**

Prerequisite(s): ECO 1305 or a minimum grade of C in ECO 2306 or consent of instructor; not open to pre-business students.

Economic aspects of health and medical care: theory, empirical evidence, history, institutions, and public policy.

**4355 Economics of Poverty and Discrimination (Cross-listed as SOC 4355)**

Prerequisite(s): Minimum grade of C in ECO 2306; not open to pre-business students.

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**

Prerequisite(s): ECO 3306, 3307, and 4347 recommended; not open to pre-business students.

An integrative capstone course for economics majors in which the technique of economic analysis are applied to a wide range of issues. Emphasis on the application of basic and advanced economic theoretical and empirical techniques to the analysis of issues relevant to the student's undergraduate degree program and career goals. Basic concepts emphasized throughout the course includes the effect of incentives on behavior, the role of markets as resource allocation mechanisms, and the use of optimization analysis as a standard for comparing outcomes.

**4V98 Special Studies in Economics****1 to 6 sem. hrs.**

Prerequisite(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**

Prerequisite(s): EDU 2305.

Continuation of EDU 2305.

**2V99 Foreign Study/Teacher Education****1 to 15 sem. hrs.****EDUCATIONAL ADMINISTRATION (EDA)****4363 Philosophy, Principles, and Administration of Human Performance (Cross-listed as HP 4363)**

See HP 4363 for course information.

**EDUCATIONAL PSYCHOLOGY (EDP)****1101 Personal Effectiveness Skills**

This course is designed to enhance the personal effectiveness of the student in several key areas, including interpersonal skill, assertiveness, tension reduction, career decision, weight control,

positive mental and physical health, and the like. This course may be taken for additional credit with module content change and consent of the program coordinator.

**2345 Introduction to Teaching in Special Education**

Prerequisite(s): Sophomore standing.

Basic instructional interaction techniques are demonstrated, discussed, and practiced in role playing activities and in tutoring sessions in a school setting. This course is the first course required of students seeking an endorsement in generic special education and is recommended for students who are considering special education as a career choice.

**2360 Teaching Special Education (Cross-listed as TED 2360.)**

See TED 2360 for course information.

**3323 Understanding and Assessing Individual Differences**

Focus of this course is on an array of student differences existing in classrooms and methods by which such diversity may be identified.

**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.)

**3326 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 development theories.

**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 prerequisite. Family-centered, interdisciplinary services for young children at-risk for developmental disabilities. Students will study the history, rationale, controversies, and current best practices within the field of early intervention.

**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, mental retardation, and seizure disorders.

**3370 Adapted Human Performance (Cross-listed as HP 3368)**

See HP 3368 for course information.

**3376 Applied Behavior Analysis**

A course emphasizing behavioral assessment techniques and the application of behavior modification principles and procedures to the instruction and management of handicapped learners. Fifteen hours of field experience.



**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.

**4377 Practicum: Students with Moderate-Severe Disabilities**

Prerequisite(s): EDP 4379; admission to teacher education.

A course providing a minimum of eighty hours of field experience in the instruction and management of students with moderate-severe disabilities.

**4378 Practicum: Adapting Instruction**

Prerequisite(s): EDP 3376 and admission to teacher education; EDP 4383.

A practicum 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.

**4379 Education of Students with Moderate-Severe Disabilities**

Co-Requisite(s): EDP 4377.

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**4V75 Practicum: Teaching in Today's Schools****1 to 6 sem. hrs.**

Prerequisite(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 AND COMPUTER ENGINEERING (ELC)****2130 Electrical Circuit Laboratory**

Co-requisite(s): ELC 2330.

Laboratory experience in electrical circuit design.

**2137 Digital Logic Design Laboratory**

Co-requisite(s): ELC 2337.

Prerequisite(s): EGR 1302 or CSI 1336.

Laboratory experience in digital circuit design using modern CAD tools and programmable logic devices.

**2330 Electrical Circuit Theory**

Co-requisite(s): ELC 2130.

Prerequisite(s): EGR 1302 and credit or concurrent enrollment in MTH 3325 and 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. (3-0)

**2337 Digital Logic Design**

Co-requisite(s): ELC 2137

Prerequisite(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.**

Prerequisite(s): Consent of department chair.

This special registration permits the completion of degree requirements for transfer or other students, program requirement changes, or other special circumstances in which students have partial but not full credit toward a specific degree requirement. It also 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. The determination of degree credits is at the time of registration. One to three hours.

**3331 Electrical Networks and Systems**

Prerequisite(s): ELC 3335.

Analysis of networks and systems by transform and state-variable methods, two-port networks, topology, network functions, application of convolution, network synthesis, filter design, transmission lines, and 3-phase ac power. (3-0)

**3333 Electrical Materials**

Prerequisite(s): CHE 1301 and PHY 1430.

A study of crystal structure, quantum theory, carrier properties, equilibrium concentrations, carrier action, diodes, bipolar junction transistors, and field effect transistors. (3-0)

**3335 Signals and Systems**

Prerequisite(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**

Prerequisite(s): ELC 2337 and CSI 1336.

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)

**3337 Applied Electromagnetic Fields**

Prerequisite(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)**

Prerequisite(s): ELC 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)

**3414 Electronic Design**

Prerequisite(s): ELC 2130 and 2330 and credit or concurrent enrollment in ELC 3335.

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. (3-3)

**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.

**4330 Introduction to Robotics (Cross-listed with ME 4330)**

Prerequisite(s): Credit or concurrent enrollment in ELC 4332.

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)

**4332 Automatic Control Systems**

Prerequisite(s): ELC 3335 and senior standing.

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)

**4333 Digital Control Systems**

Prerequisite(s): ELC 4332.

Analysis of sample-data systems. Analysis and design of digital control systems. Sampling, z-transforms, recurrence equations, signal-flow graphs, state variables, system performance, stability, bilinear transformation, root-locus method, Nyquist criterion, Bode plots, and compensator design. (3-0)

**4340 Power Systems**

Prerequisite(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**

Prerequisite(s): ELC 3414.

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)

**4350 Principles of Communication**

Prerequisite(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**

Prerequisite(s): ELC 3335, 3336 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)**

Prerequisite(s): ELC 3335, and credit or concurrent enrollment in STA 3381.

Introduction to image formation systems that provide images for medical diagnostics, remote sensing, industrial inspection, nondestructive materials evaluation and optical copying. Image processing, including image enhancement, analysis, and compression. Student specialization through assignments and project. (3-0)

**4360 Software Systems**

Prerequisite(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**

Prerequisite(s): ELC 3338 and 3414 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)

**4372 Bioinstrumentation (Cross-listed as BME 4372)**

Prerequisite(s): ELC 3335.

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)**

Prerequisite(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.

**4381 Antennas and Wireless Propagation I**

Prerequisite(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.

**4396 Special Topics in Electrical or Computer Engineering**

Prerequisite(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 Computer Systems Design**

Prerequisite(s): ELC 3338 and 3414.

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)

**4V97 Special Projects in Electrical or Computer Engineering**

**1 to 6 sem. hrs.**

Prerequisite(s): Consent of department chair.

Advanced topics and/or special project activities in electrical or computer engineering.

## ENGINEERING (EGR)

### 1301 Introduction to Engineering

Prerequisite(s): Credit or concurrent enrollment in MTH 1304 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)

### 1302 Introduction to Engineering Analysis

Prerequisite(s): EGR 1301 with a grade of B or higher and credit or concurrent enrollment in MTH 1321.

Introduction to fundamental techniques used in engineering analysis. (2-3)

### 2V97 Special Topics or Project (Cross-listed as ELC 2V97)

**1 to 3 sem. hrs.**

See ELC 2V97 for course information.

### 3305 Social and Ethical Issues in Engineering

Prerequisite(s): Upper-level standing.

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)

### 3380 Engineering Design I

Prerequisite(s): Upper division admission.

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)

### 3V95 Internship Experience

**1 to 3 sem. hrs.**

Prerequisite(s): Upper division admission and consent of instructor.

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

Prerequisite(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.

### 4375 Elements of Nuclear Engineering

Prerequisite(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)

### 4390 Engineering Design II

Prerequisite(s): EGR 3380, within last two semesters and minimum 2.25 GPA in engineering courses.

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)

**4396 Special Topics in Engineering**

Prerequisite(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.**

Prerequisite(s): Consent of department chair.

Advanced topics and/or special project activities in engineering.

**ENGINEERING AND COMPUTER SCIENCE (ECS)****1095 ECS First-Year Seminar**

Prerequisite(s): This course is limited to students in one of the degree plans within the School of Engineering and Computer Science.

The ECS 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 personal wholeness; and to connect with other new students and faculty members on campus for the main purpose of helping them be successful in ECS, Baylor, and beyond.

**1101 ECS Leadership Development Seminar**

Prerequisite(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**

Prerequisite(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.

**ENGLISH (ENG)****LANGUAGE****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)**

Prerequisite(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)**

Prerequisite(s): Upper-level standing.

Study of college-level grammar, with emphasis on syntax, morphology, and usage.

**3305 Language in Society (Cross-listed as LING 3315)**

See LING 3315 for course information.

**3310 Introduction to Language and Linguistics (Cross-listed as ANT 3310 and LING 3310)**

Prerequisite(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)**

Prerequisite(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)**

Prerequisite(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****2301 British Literature**

Prerequisite(s): ENG 1302 and 1304; or equivalent.

A study of the literature of Great Britain, emphasizing the works of major writers such as Chaucer, Shakespeare, Milton, the Romantic poets, the Victorian poets, and the major novelists.

**2304 American Literature (Cross-listed as AMS 2304)**

**TCCNS: ENGL 2326**

Prerequisite(s): ENG 1302 and 1304; or equivalent.

A study of the literature of the United States, emphasizing the work of major writers such as Hawthorne, Melville, Poe, Dickinson, Whitman, Twain, Hemingway, Faulkner, and Morrison.

**2306 World Literature**

**TCCNS: ENGL 2331**

Prerequisite(s): ENG 1302 or FAS 1302, and ENG 1304; or equivalent.

A study of the literature of countries other than Britain and the United States, emphasizing the work of major writers such as Homer, Sophocles, Virgil, Dante, Boccaccio, Cervantes, Goethe, Flaubert, Dostoevsky, and Tolstoy, and giving attention to selected classical works of non-Western literature.

**3311 English Literature through the Sixteenth Century**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either ENG 2304 or 2306; 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)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

Critical writing about literature from Aristotle through the New Criticism.

**3372 The Oxford Christians**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

Development and forms of the short story.

**3375 Post-Colonial Literature**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

Twentieth-century literature from India, Africa, the Caribbean, and other emerging post-colonial traditions.

**3376 African American Literature**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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 (Cross-listed as AMS 3377)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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.

**3380 American Literature through Whitman (Cross-listed as AMS 3380)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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 (Cross-listed as AMS 3390)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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 (Cross-listed as AMS 3399)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing or consent of instructor.

The works of writers of the American West and Southwest.

**4310 Old and Early Middle English Literature**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

Representative comedies, histories, tragedies, and problem plays.

**4330 Early Seventeenth-Century Poetry and Prose**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301, and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

British poets of the early nineteenth century, with emphasis on Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats.

**4360 Victorian Prose**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

British poets of the later nineteenth century, with emphasis on Browning, Tennyson, Arnold, and Hopkins.

**4364 Browning**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

Browning's major poems, with emphasis on *Men and Women* and *The Ring and the Book*; introduction to the Armstrong Browning Library collection.

**4368 Nineteenth-Century British Novel**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

Development of fictional narrative form in nineteenth-century Britain, with emphasis on Austen, Scott, the Brontës, Thackeray, Dickens, Eliot, and Hardy.

**4369 Modern British Novel**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

British novelists from 1900 to 1945, with emphasis on Woolf, Joyce, and Lawrence.

**4370 Women Writers (Cross-listed as AMS 4370)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

Development of modern European Drama and Theater from 1880 to the present.

**4374 Special Topics in Literature (Cross-listed as AMS 4375)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

Topics not ordinarily included in period, genre, or author courses. Topic announced for each semester or session.

**4378 Contemporary Novel (Cross-listed as AMS 4378)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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 (Cross-listed as AMS 4380)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

Works of American writers of New England in the mid nineteenth century.

**4381 Colonial American Literature (Cross-listed as AMS 4379)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing; or consent of instructor.

Prose and poetry of American writers from 1620 to 1820.

**4382 Major Authors**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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 (Cross-listed as AMS 4313)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

American writers from 1860 to 1900.

**4384 Contemporary Critical Theory**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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 (Cross-listed as AMS 4316)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

American novelists from 1945 to 2000.

**4387 Modern American Novel (Cross-listed as AMS 4387)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; 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 (Cross-listed as AMS 4319)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

American poets from 1945 to 2000.

**4390 Literature of the South (Cross-listed with AMS 4389)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

Works of writers of the American South, with emphasis on Poe, Faulkner, O'Connor, and Welty.

**4391 Modern American Poetry (Cross-listed with AMS 4391)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

American poets from 1900 to 1945, with special emphasis upon Frost, Pound, Cummings, Stevens, Williams, and Bishop.

**4394 American Drama (Cross-listed as AMS 4394)**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing.

Development of American drama, with emphasis on O'Neill, Williams, Miller, Albee, and Hellman.

**4397 Internship for Literature Majors**

Prerequisite(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 ART 43C1 and MUS 43C1)**

Prerequisite(s): Senior standing; major in English, Art or Music; or consent of instructor.

Aesthetic Perception and Experience (ART/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.

**43C6 Capstone in English Literature**

Prerequisite(s): For English majors only; senior standing.

Synthesizes learning in multiple genres and periods of English and American literature and represents the culmination of the English major's experience as a reader and a writer. The course will include a variety of writing assignments, culminating in a research project.

**4V18 Independent Study in Literature**

**1 to 3 sem. hrs.**

Prerequisite(s): ENG 2301 and either 2304 or 2306; and upper-level standing and consent of 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.**

Prerequisite(s): ENG 1302, 1304, 2301, or 2304 or 2306.

Special topics in literature developed in conjunction with Baylor-in-Maastricht program.

**WRITING PROGRAMS****0300 Developmental English**

Intensive instruction in English writing skills, grammar, usage, and reading comprehension, with individualized attention to problem areas. This course is a prerequisite for ENG 1302 for all students whose diagnostic test indicates the inability to do satisfactory work in ENG 1302. Credit for this course does not apply toward any degree program.

**1302 Thinking and Writing****TCCNS: ENGL 1301**

Prerequisite(s): ENG 0300 for students whose diagnostic test indicates inability to do satisfactory work in ENG 1302.

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****TCCNS: ENGL 1302**

Prerequisite(s): ENG 1302 or FAS 1302 or advanced placement.

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.

**3300 Technical and Professional Writing**

Prerequisite(s): ENG 1302 or FAS 1302 or advanced placement; and either upper-level standing or consent of instructor.

Study of the presentation of technical materials and professional reports. Emphasis on student practice of these skills.

**3303 Advanced Expository Writing**

Prerequisite(s): Upper-level standing or consent of instructor.

The special techniques used in expository writing and a practical application of these techniques in mature expository writing expected of juniors and seniors. Designed for all students who desire training in expository writing beyond that offered in freshman English.

**3304 Creative Writing: Poetry**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): Upper-level standing or consent of instructor.

Screenwriting and scriptwriting is designed for the novice writer with an interest in cinema or theater. The class will include discussions of treatment, pitch, agents, and feature the writing of an actual screenplay.

**3309 Writing for the Popular Market**

Prerequisite(s): Upper-level standing or consent of instructor.

A workshop in writing non-fiction prose emphasizing the rhetorical modes and techniques appropriate for popular media. Topics include autobiographical, biographical, and documentary writing; music, theater, film, and art criticism; and political and social commentary.

**4301 Advanced Creative Writing: Prose**

Prerequisite(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**

Prerequisite(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.

**4309 Advanced Argumentative and Persuasive Writing**

Prerequisite(s): Upper-level standing or consent of instructor.

A workshop course designed to develop skills in writing advanced argumentative and persuasive discourse. The course explores the nature and function of argument; the uses of evidence, reasoning, and audience considerations in structuring arguments; and rhetorical strategies appropriate for argumentation and persuasion.

**4311 Advanced Writing for the Popular Market**

Prerequisite(s): ENG 3309 or 4375 or consent of instructor.

Advanced writing workshop emphasizing forms of non-fiction prose appropriate for popular media.

**4318 Writing for the Workplace**

Prerequisite(s): Upper-level standing 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.

**4375 Special Topics in Writing**

Prerequisite(s): Upper-level standing or consent of instructor.

Topics in writing not covered in creative or professional writing courses. Topic announced for each semester or session.

**4377 Internship in Professional Writing**

Prerequisite(s): ENG 4318 or concurrent enrollment, and consent of instructor.

An internship to provide students in the Professional Writing program supervised writing experience in a business or professional setting. Required of all professional writing majors.

**4V19 Independent Study in Writing**

**1 to 3 sem. hrs.**

Prerequisite(s): Upper-level standing and consent of instructor.

Supervised individual writing. Repeat once with change of topic for maximum of six hours.

**ENTREPRENEURSHIP (ENT)****3301 Entrepreneurship: Living and Learning**

Prerequisite(s): Consent of instructor; open only to residents of the Entrepreneurship Living & Learning Center.

The ENT-LLC cohort class is designed around action planning for creative ideas. The format will vary depending on the specific ideas and the arenas into which they fit, and may look like a formal business plan. Students will conceive, design and conduct a final project to incorporate leadership and service to the Baylor or surrounding community. Students will be exposed to creative and innovative thinking and be more able to approach their future careers with an entrepreneurial attitude and desire to give back to the community. This course will count as humanities credit for BBA students.

**3315 Starting and Managing a Business**

Prerequisite(s): Sophomore or upper-level standing.

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**

Prerequisite(s): FIN 3310 (may be taken concurrently) and MKT 3305 (may be taken concurrently).

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)**

Prerequisite(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.

### **4310 Entrepreneurial Finance (Cross-listed as FIN 4310)**

See FIN 4310 for course information.

### **4320 Managing the Family Business**

Not open to pre-business students.

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.

### **4325 Entrepreneurial Business Plan**

Prerequisite(s): ENT 3320 or consent of the instructor; and credit or concurrent enrollment in ENT 4310; not open to pre-business 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**

Prerequisite(s): Upper-level standing; not open to pre-business students.

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)**

Prerequisite(s): Senior standing.

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**

Prerequisite(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**

Prerequisite(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 (Cross-listed as MGT 4353)**

See MGT 4353 for course information.

#### **4360 Franchising: Franchisee and Franchisor Perspectives**

Prerequisite(s): Upper-level standing.

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.

#### **4380 Social Entrepreneurship: Microfinance and Economic Development in Africa**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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 STUDIES (ENV)

### **1101 An Introduction to Environmental Analysis (Lab)**

Prerequisite(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.

### **1103 Wildlife Ecology Laboratory Exercises**

Prerequisite(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.

### **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**

Prerequisite(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.

### **2175 Fundamentals of Ecotoxicology Laboratory**

Co-requisite(s): ENV 2375.

Prerequisite(s): ENV 1101 and 1301.

Introduction to measurement of standard water chemistry parameters, acute and chronic toxicity testing methodology, toxicity identification evaluation procedures, and rapid bioassessment protocols. A general overview of toxicity test and biological community data analysis and interpretation.

### **2375 Fundamentals of Ecotoxicology**

Co-requisite(s): ENV 2175.

Prerequisite(s): ENV 1101 and 1301.

A broad survey of subjects critical to the study of contaminant impacts on the environment. Topics include: major pollutants classes, environmental chemistry, chemical disposition in organisms, toxicity testing and assessment methods, effects on individuals, populations, communities and ecosystems, environmental regulations, and ecological risk assessment.

### **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.

### **2407 Ecology for a Changing World**

An introduction to the principles of scientific ecology as they apply to environmental management.

### **3100 Environmental Health Seminar**

Prerequisite(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)**

Prerequisite(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.

**3108 Marine Environments Laboratory**

Prerequisite(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.

**3133 Analytical Analysis of Water Quality**

Prerequisite: 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.

**3137 Wildlife Management Methods**

Prerequisite(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.

**3187 Environmental Chemistry Laboratory**

Prerequisite(s): CHE 1302 and 1316, and 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.

**3216 Air Quality and Monitoring Laboratory**

Prerequisite(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.

**3300 The Environment and Political Processes (Cross-listed as PSC 3300)**

See PSC 3300 for course information.

**3301 Team Research in Environmental Studies**

Prerequisite(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.

**3303 Directed Reading in Environmental Studies**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): ENV 1303 or 2407 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**

Prerequisite(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**

Prerequisite(s): ENV 1101, 1301, and CHE 1302.

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.**

Prerequisite(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.

**3V93 Environmental Sustainability Internship**

**1 to 3 sem. hrs.**

Prerequisite(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.

**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.

**4199 Senior Thesis I**

Prerequisite(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**

Prerequisite(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.

**4299 Senior Thesis II**

Prerequisite(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.

**4304 Aquatic Chemistry**

Prerequisite(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)**

Prerequisite(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)**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): ENV 1301, 2375, and 2376.

Research design and methods. Students produce a comprehensive research proposal in their major field(s) of study.

**4323 The Environment and Economic Analysis (Cross-listed as AVS 4323 and ECO 4323)**

Prerequisite(s): ECO 1305 or 2306 or AMS 1305; 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**

Prerequisite(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.

**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 Population Problems (Cross-listed as SOC 4331)**

See SOC 4331 for course information.

**4332 Science Leadership: Community Environmental Research (Cross-listed as GEO 4332)**

Prerequisite(s): Upper-level standing; and consent of instructor.

Development of science leadership skills through community-based research on environmental problems.

**4333 Coastal Zone Management**

Prerequisite(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)

**4340 Environmental Archaeology (Cross-listed as AMS 4340, ANT 4340, and ARC 4340)**

See ANT 4340 for course information.

**4344 Fundamentals of Toxicology (Cross-listed as BIO 4344)**

Prerequisite(s): CHE 1301, 1302, 3331, BIO 1305, BIO 1306 and BIO 3422; 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.

**4349 Pollution Abatement and Prevention Systems**

Prerequisite(s): ENV 2375, 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)**

Prerequisite(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**

Prerequisite(s): ENV 1101, 1301, and 2375 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**

Prerequisite(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 Environmental Toxicology**

Prerequisite(s): ENV 2375, BIO 1305 and 1306, CHE 1302 or consent of instructor.

Applications of basic and advanced principles of toxicology; use of toxicological information sources and data bases; ecological and human health risk assessment.

**4371 Wetlands (Cross-listed as GEO 4371)**

See GEO 4371 for course information.

**4373 Environmental Biodegradation and Bioremediation**

Prerequisite(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**

Prerequisite(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.

**4380 Restoration Ecology (Cross-listed as BIO 4381)**

Prerequisite(s): ENV 2375 and 2376, or BIO 3303.

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, GEO 4386 and GEOG 4386)**

See GEO 4386 for course information.

**4390 Chemical Investigation and Remediation**

Prerequisite(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 AMS 4393 and REL 4393)**

See REL 4393 for course information.

**4394 Internship in Environmental Education**

Prerequisite(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**

Prerequisite(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.

**43C1 Environmental Capstone**

Prerequisite(s): Twenty hours of environmental science courses and upper-level standing.

Advanced seminar on application of environmental sciences and social science to environmental problem solving. Completion of research paper, research or management plan, and field examination.

**4410 Humans and Environmental Change**

Prerequisite(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.

**4450 Applied Forest Ecology**

Prerequisite(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.

**4485 Introduction to Geographic Information Systems (Cross-listed as AVS 4485, GEO 4485, and GEOG 4485)**

See GEOG 4485 for course information.

**4487 Advanced GIS Analysis (Cross-listed as AVS 4487, GEOG 4487, and GEO 4487)**

See GEOG 4487 for course information.

**4613 Field School in Environmental Studies**

Prerequisite(s): Consent of instructor.

Application of the scientific method to the investigation and resolution of an environmental issue.

**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.**

Prerequisite(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.

**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.**

Prerequisite(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.

**4V93 Internship in Environmental Planning or Management****1 to 3 sem. hrs.**

Prerequisite(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.

**FAMILY AND CONSUMER SCIENCES (FCS)****1104 Professional Perspectives**

Introduction to Family and Consumer Sciences as a field of study, historic development, interdisciplinary nature, integrative perspectives; formulation of individual plans for education and career; overview of professional opportunities within business, education, research, and service agencies. (1-0)

**1231 Principles of Art and Design as Applied to Family and Consumer Sciences**

The study of art principles as they apply to various fields of family and consumer sciences. (2-0)

**1241 Apparel Aesthetics**

Prerequisite(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 Consumer Behavior**

Contemporary apparel consumption behavior and its economic impact in view of social and psychological fashion theories.



**1301 Food Science**

The physical and chemical changes that occur during preparation of food and its products. Food safety, preservation of nutritional content, and food selection are also covered. (2-2) Fee.

**1311 Apparel Technical Design and Product Development**

Creative design studio introducing professional construction techniques, product development, and techniques of sketching and creating ready-to-wear garments. (1-4) (Fee)

**1313 Interior Design Graphics I**

Prerequisite(s): Declared interior design major 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

**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)

**1321 Apparel Creative Design and Product Development**

Prerequisite(s): A minimum grade of C in FCS 1311, and credit with a minimum grade of C or concurrent enrollment in FCS 1241.

Apparel creative design and decoration, including fabric manipulation, felting and machine and hand embellishment techniques.

**1332 Fundamentals of Interior Design****TCCNS: ARTS 1320**

Introduction to 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. (3-2) Fee

**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 paths.

**2100 Directed Study in Family and Consumer Sciences**

Prerequisite(s): Consent of instructor.

Individual study of selected areas of interest in family and consumer sciences.

**2200 Directed Study in Family and Consumer Sciences**

Prerequisite(s): Consent of instructor.

Individual study of selected areas of interest in family and consumer sciences.

**2301 Contemporary and Couture Tailoring**

Prerequisite(s): A minimum grade of C in FCS 1321.

Couture and ready-to-wear techniques used in apparel production; principles of pattern alteration, fit tailoring, and construction with wool fabrics.

**2310 Textile Science**

Prerequisite(s): 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)

**2311 Fashion Illustration**

Prerequisite(s): ART 1310 and a minimum grade of C in FCS 1231.

Fashion and technical sketching techniques using a variety of media.(1-4) (Fee)

**2314 Interior Design Graphics II**

Prerequisite(s): A minimum grade of C in FCS 1313.

Introduction to perspective drawing as it relates to interior design with an emphasis on one and two-point perspective techniques (both technical and free-hand). Fundamentals of space planning related to residential environments with application of standards and practices of universal design. (2-4) Fee

**2315 Building Systems and Codes for Interiors**

Prerequisite(s): A minimum grade of C in FCS 1313 and 1332; or consent of 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)

**2316 Interior Design Graphics III**

Prerequisite(s): A minimum grade of C in FCS 2314; ART 1310 and 1314 or concurrent enrollment.

Introduction to visual presentation techniques including perspective, free-hand sketching, and rendering (with emphasis on color theory) in various graphic and design mediums. Digital techniques introduced. (0-6) Fee

**2320 Materials and Finishes for Interiors**

Prerequisite(s): A minimum grade of C in FCS 2314, 2315; and credit with a minimum grade of C or concurrent enrollment in FCS 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. (3-3) Fee

**2322 Computer-Aided Drafting and Design I**

Prerequisite(s): A minimum grade of C in FCS 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

**2351 Nutrition**

Scientific approach to the essential nutrients for human growth and development. Macronutrients, micronutrients, and human metabolism have detailed coverage; a computer diet analysis is conducted. (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)

**2371 Apparel Quality Analysis**

Study of factors which affect the wholesale cost, specification buying, and merchandise selection category. (3-0)

**2373 Apparel Design I**

Prerequisite(s): A minimum grade of C in FCS 1231, 1311, and 2301.

Apparel design using the principles of flat pattern and draping, with emphasis on the design, fit, alteration and construction of fashionable wearing apparel. (2-3)(Fee)

**2380 Introduction to Food Delivery Systems**

Prerequisite(s): A minimum grade of C in FCS 1301 and 2351, or consent of instructor.

Introduction to meal service in the setting of the home, institutions, child care, and restaurants. Management of meal planning, preparation, and service. Emphasis on equipment usage and maintenance and time, money, and nutrient management. (2-2) (Fee)

**2390 Nutritional Mechanisms and Metabolism**

Prerequisite(s): CHE 1301-1100.

Properties and metabolism of nutrients with an emphasis on their interrelationships in health and disease. (3-0)

**3100 Applied Undergraduate Research in Family and Consumer Sciences**

Prerequisite(s): Junior level standing.

In-depth undergraduate research. This class is intended for application-oriented, individualized professor-supervised undergraduate research applications.

**3190 Demonstration Techniques**

Principles of demonstration techniques with application in all areas of family and consumer sciences. Students plan and conduct a series of class demonstrations. (Fee)

**3198 Internship Seminar**

Prerequisite(s): A minimum grade of C in FCS 3326 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)

**3204 Introduction to Research in Family and Consumer Sciences**

Prerequisite(s): Junior standing or higher.

Research methods, experimental procedures, writing, and reporting data within the various areas of Family and Consumer Sciences. The format of the course includes a combination of lecture and discussion, writing assignments, literature review, and/or oral presentations.

**3313 History of Interiors I**

Survey of architectural styles, interiors, furnishings, and the decorative arts related to major cultures from antiquity through the late 19th century. (3-0)

**3314 Consumer Nutrition**

Prerequisite(s): Upper-level standing.

General survey of basic nutrition and current issues focusing on personal nutrient needs. Critical analysis of food and nutrition issues will be emphasized.

**3317 Lighting for Interiors**

Prerequisite(s): A minimum grade of C in FCS 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)

**3318 Interior Design Studio I**

Prerequisite(s): A minimum grade of C in FCS 2310, 2320, 2322; and credit with a minimum grade of C or concurrent enrollment in FCS 3317. Successful completion of Sophomore Portfolio Review. FCS 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

**3320 Methods of Teaching Family and Consumer Sciences**

Prerequisite(s): Fifteen hours of family and consumer sciences, 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 Family and Consumer Sciences**

Prerequisite(s): Junior standing, eighteen hours of family and consumer sciences 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.

**3322 Computer-Aided Drafting and Design II**

Prerequisite(s): A minimum grade of C in FCS 2322.

Emphasis on three-dimensional computer-aided design techniques for interior design and presentation, focusing on computer-generated graphics and renderings using 3D modeling and presentation software. (2-4) Fee

**3324 Children and Families with Special Needs**

Social, educational, and vocational challenges faced by families with children with special needs.

**3325 Child Health Programs**

Prerequisite(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.

**3326 Interior Design Studio II**

Prerequisite(s): A minimum grade of C in FCS 3317, 3318; and credit with a minimum grade of C or concurrent enrollment in FCS 3322. ART 1316 recommended.

Application of design components for small-scale commercial projects, with strong emphasis on research, programming, conceptual development, creative problem solving, building codes, life safety, environmental issues, and ADA compliance. Includes estimation, specification, and applications of materials/finishes, lighting applications, and team-based design solutions. (0-6) (Fee)

**3350 Individual and Family Financial Management**

Study of individual and family financial decisions, planning and management. (3-0)

**3351 Nutrition Education**

Prerequisite(s): A minimum grade of C in FCS 2351.

Planning, implementing, and evaluating nutrition educational materials for use in individual counseling and small groups. (3-0)

**3356 Theories of Family Development**

Prerequisite(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**

Prerequisite(s): A minimum grade of C in FCS 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)

**3358 Infant and Toddler Development**

Prerequisite(s): FCS 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).

**3360 Apparel Design Technology I**

Prerequisite(s): A minimum grade of C in FCS 1231 and 2311.

Use of apparel software and technology to create color stories, fashion sketches, fabric designs, construction details in multiple languages, merchandising materials, digital portfolio, and product data management specifications.

**3361 Apparel Merchandising Technology I**

Prerequisite(s): A grade of C or better in FCS 2311.

Use of software to conceptualize fashion designs and create industry-standard merchandising materials and presentations.

**3362 Child Life Theory and Practice**

Prerequisite(s): A minimum grade of C in FCS 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.

**3364 History of Dress**

Prerequisite(s): A minimum grade of C in FCS 1231, 2310, and 2311.

The history of dress from ancient times through the twentieth century, examining dress in the context of social, economic, and artistic development of Western culture. (3-0)

**3373 Apparel Design II**

Prerequisite(s): A minimum grade of C in FCS 1311 and 2373.

Creative designing; integrating and contrasting the theories of advanced flat pattern and draping technique in the production of ready-to-wear using a variety of fabrics for specific markets. (1-4) (Fee)

**3375 Consumer Housing and Practices**

Prerequisite(s): Upper-level standing.

Consumer approach to housing decisions for various lifestyles and stages of the family life cycle. Focus on planning, building, and decorating a living space to enhance its function, efficiency, and aesthetics.

**3386 Experimental Foods**

Prerequisite(s): A minimum grade of C in FCS 1301; and BIO 1305, CHE 1301 and 1341.

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)

**3388 Introduction to Medical Nutrition Therapy**

Prerequisite(s): BIO 1305, CHE 1301, 1341, and a minimum grade of C in FCS 2351.

In-depth study and proficiency testing of the nutrition care process, medical vocabulary, medical records, clinical math, diabetes, and cardiovascular disease.

**3391 Apparel Financial Control**

Prerequisite(s): MIS 1305 with a minimum grade of C and ACC 2301 or ACC 2303.

Fundamental principles of merchandising: theory and quantitative analysis of inventory, planning, pricing, and control for the profitable management of retail environments. (3-0)

**3393 Visual Merchandising and Promotion**

Prerequisite(s): A minimum grade of C in FCS 1241.

Study of display elements and techniques, visual merchandising, special event strategies, public relations, and internet promotions.(3-0)

**3435 Food Service Production**

Prerequisite(s): A minimum grade of C in FCS 1301, 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. (2-3) (Fee)

**4100 Seminar in Nutrition Sciences**

Prerequisite(s): Senior standing; or consent of the instructor.

Professional aspects of nutritional sciences with concentration on ethics, credentialing, communications, marketing, and public policy techniques. (1-0)

**4132 Apparel Industry Field Study**

Prerequisite(s): Three semester hours of clothing or textiles.

Field study of the textile and apparel industry. May be repeated once.

**4151 Nutrition Practicum**

Prerequisite(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 hours credit.

**4191 Professional Practices in Child and Family Studies**

Prerequisite(s): Senior standing.

A capstone course for students in the Child and Family Studies program.

**4232 Apparel Industry Field Study**

Prerequisite(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**

Prerequisite(s): A minimum grade of C in FCS 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**

Prerequisite(s): A minimum grade of C in FCS 2310; and CHE 1405.

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)

**4313 History of Interiors II**

Prerequisite(s): Upper level standing.

Survey of architectural styles, movements, influences, interiors, furnishings, and the decorative arts from the late 19th century to the present in Europe and America. Strong emphasis on 20th-century masters. (3-0)

**4318 Interior Design Studio III**

Prerequisite(s): A minimum grade of C in FCS 3326 and credit with a minimum grade of C or concurrent enrollment in FCS 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 ADA compliance. Includes estimation, specification, and application of material/finishes, lighting applications, and team-based design solutions. (0-6) (Fee)

**4320 Business Practices and Procedures for Interior Design**

Prerequisite(s): A minimum grade of C in FCS 4318 or concurrent enrollment.

Business practices and procedures, ethics, project coordination, licensure, and legal aspects related to the interior design profession. (3-0)

**4322 Student Teaching in Family and Consumer Sciences**

Prerequisite(s): A minimum grade of C in FCS 3321; and senior standing; and completion of all family and consumer sciences 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 Family and Consumer Sciences**

Prerequisite(s): Upper-level standing or consent of instructor.

Study of the occupational family and consumer sciences programs in Texas. Each student will spend two hours each week in an approved field experience. (3-0)

**4333 Interior Design Studio IV (Capstone)**

Prerequisite(s): A minimum grade of C in FCS 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. (0-6) Fee

**4340 Resource Management**

Prerequisite(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)

**4351 Life Cycle Nutrition**

Prerequisite(s): A minimum grade of C in FCS 2351 or consent of instructor.

Nutritional needs of individuals as they progress through the life cycle from birth through aging, with consideration of concomitant problems. (3-0)

**4352 World Nutrition**

Prerequisite(s): A minimum grade of C in FCS 2351; or consent of instructor.

World hunger as a major international problem. The effects of malnutrition on growth, health, and economic output will be examined. (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**

Prerequisite(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**

Prerequisite(s): 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)

**4359 Parenting**

Factors to consider in becoming a parent, child-rearing practices, diverse parenting situations, and parent-child communication. (3-0)

**4360 Apparel Design Technology II**

Prerequisite(s): A minimum grade of C in FCS 3373 or concurrent enrollment.

Use of software for pattern design, fabric design, and WebPDM to create apparel patterns and digitally designed, printed fabrics. (0-6) (Fee)

**4363 Adolescent Development**

Prerequisite(s): Upper-level standing.

The psychosocial, social-emotional, and cognitive language development of adolescents.

**4364 Child and Family Ministry**

Prerequisite(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)

**4365 Adult Development**

Prerequisite(s): Upper level standing or consent of the instructor.

Physical, intellectual, and social-emotional development in adulthood, the developmental tasks associated with adulthood, and adult learning principles.

**4367 Family Transitions, Stress, and Resilience**

Prerequisite(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**

Prerequisite(s): Upper-level standing.

A study of normative aging processes within the family context. (3-0)

**4371 Advanced Collection Development**

Prerequisite(s): A minimum grade of C in FCS 3373.

Research, planning, and development of a cohesive apparel collection for a target market incorporating industry standards and techniques.

**4386 Nutrition for Sport and Fitness**

Prerequisite(s): FCS 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 composition, energy balance, and unique nutrient needs for specific sport participants. Food and Nutrition quackery in sports will also be addressed.

**4387 Advanced Nutrition**

Prerequisite(s): Dietetics majors must have a minimum GPA of 2.5 in FCS 2351, BIO 1305, CHE 1301, 1341 and 3341; and a minimum grade of C in FCS 2351.

Nutrients and their roles in human health. Emphasis on trends in nutritional research. (3-0)

**4388 Medical Nutrition Therapy**

Prerequisite(s): A minimum grade of C in FCS 3388.

Nutrient metabolic pathways as they relate to specific health conditions. Specific diet recommendations are explored. Field experience in clinical dietetics is required. (3-0)



**4390 Practicum in Family and Consumer Sciences**

Prerequisite(s): A minimum grade of C in FCS 3356, 3357, 4359; and consent of instructor.

Requires a minimum of two hundred clock hours of directed contact experiences in a program-related professional setting, plus one-hour weekly seminar. Child and Family Studies majors must complete at least one practicum at the Piper Center for Family Studies and Child Development. May be repeated once in a different setting. (Fee)

**4391 Merchandise Buying and Assortment Planning**

Prerequisite(s): A grade of C or better in FCS 3391.

Retail buying including assortment planning, inventory control, and the use of social media.

**4392 Apparel Merchandising Internship**

Prerequisite(s): A minimum grade of C in FCS 3391 and 3393.

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**

Prerequisite(s): A minimum grade of C in FCS 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**

Prerequisite(s): A minimum grade of C in FCS 2373, 3360, and 3373.

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**

Prerequisite(s): A minimum grade of C in FCS 2310.

Analysis of demographics, psychographics, geodemographics, and popular culture on consumption patterns of consumers.

**4398 Interior Design Internship**

Prerequisite(s): A minimum grade of C in FCS 3198 and 3326. FCS 3322 recommended.

Supervised internship in an approved design-related work environment. Minimum of 240 hours.

**4623 Student Teaching in Family and Consumer Sciences**

Prerequisite(s): A minimum grade of C in FCS 3321, senior standing; completion of all family and consumer sciences and education courses.

Continuation of FCS 4322. Required for vocational family and consumer sciences teaching certificate.

**4695 Internship in Child Life**

Prerequisite(s): A minimum grade of C in FCS 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.

**4V93 Special Studies in Family and Consumer Sciences****1 to 3 sem. hrs.**

Prerequisite(s): Senior standing; or consent of instructor.

Current issues in family and consumer sciences will be examined through seminars, special topics, practicums and individual research experiences. May be repeated with different content for a maximum of six semester hours.

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**FILM DIGITAL MEDIA (FDM)****1198 Practicum in Audio Production**

Supervised practical experience in audio production. May be repeated for three credit hours.

**1199 Practicum in Video Production**

Prerequisite(s): Consent of instructor.

Supervised practical experience in video production. May be repeated for three credit hours.

**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 Film Appreciation**

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.

**2360 Production Methods**

An introduction to single-camera, multiple-camera, and audio production using basic video and audio equipment. Lab fee required.

**3315 Electronic News Reporting (Cross-listed as JOU 3315)**

See JOU 3315 for course information.

**3320 Business of Media**

Prerequisite(s): Upper-level standing or consent of instructor.

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**

Prerequisite(s): Upper-level standing or consent of instructor.

Process of media programming, including economic, legal, and audience factors. Analysis of programming practices from organizational and political viewpoints. Class programming project.

**3351 History of Motion Pictures**

Prerequisite(s): Upper-level standing or consent of instructor.

International and domestic cinema since 1880, focusing on film as an art form and changes due to social, political, economic, ideological, and cultural influences.

**3352 History of Radio and Television**

Prerequisite(s): Upper-level standing or consent of instructor.

Radio and television since 1890, focusing on developments in technology, economics, management, programming, audiences, regulation, and the roles of radio and television in society.

**3361 Production Methods II**

Prerequisite(s): FDM 2360 or consent of instructor.

Further development of the technical abilities and conceptual approaches to single-camera and multiple-camera digital media production introduced in FDM 2360, Production Methods. Lab fee required.

**3372 Writing for Media Markets (Cross-listed as JOU 3372)**

See JOU 3372 for course information.

**3373 Screenwriting**

Prerequisite(s): Upper-level standing.

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**

Prerequisite(s): Upper-level standing.

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.

**4311 Telecommunication Policy**

Prerequisite(s): Upper-level standing.

Basic documents governing United States telecommunications; participants in the process of making telecommunication policy; central issues associated with telecommunication policy; methods and problem solving techniques used in the policy making process; and basic laws and policies affecting journalists.

**4313 Diffusion of Innovations**

Prerequisite(s): Upper-level standing or consent of instructor.

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**

Prerequisite(s): Upper-level standing or consent of instructor.

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.

**4320 Teleconferencing**

A study of the theory, issues, and systems involved in using audio, audiographic, and video teleconferencing in an organizational setting. Includes consideration of the effects of teleconferencing on communication and decision making.

**4325 Public Broadcasting**

Prerequisite(s): FDM 1303 and upper-level standing, or consent of instructor.

A survey of non-profit management in the context of public broadcasting.

**4340 Media and Society**

Prerequisite(s): Upper-level standing or consent of instructor.

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**

Prerequisite(s): Upper-level standing or consent of instructor.

An examination of the issues at the intersection of modern media technology, philosophy, and contemporary culture.

**4342 Art and the Moving Image**

Prerequisite(s): Upper-level standing or consent of instructor.

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**

Prerequisite(s): Upper-level standing or consent of instructor.

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.

**4345 The Mass Communication Campaign**

Prerequisite(s): Upper-level standing or consent of instructor.

Theories of mass communication, case studies in campaigns and their effectiveness. Group portfolio project in real campaign effort requiring practical application of social science methods, including survey design and analysis.

**4347 Communication and Culture**

Prerequisite(s): Upper-level standing or consent of instructor.

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**

Prerequisite(s): FDM 3361 or consent of instructor.

Advanced audio techniques for media productions, technical and conceptual aspects of sound design. Emphasis on sound/image relationships in film and video, and the interface between traditional analog and digital audio technologies. Includes recording, editing, and mixing of audio sources in the creation of original sound tracks. Lab fee required.

**4362 Field Production**

Prerequisite(s): FDM 3361 or consent of instructor.

Advanced production with an emphasis on a single-camera on-location approach. Concentrates on the pictorial qualities of the individual shot, overall cinematographic style, and the staging and coverage of scenes. Lab fee required.

**4363 High Definition Studio Production**

Prerequisite(s): FDM 3361.

Develops proficiency in producing, directing, and editing of High Definition (HD) digital content using single camera and multi-camera studio techniques. This course covers pre-visualization, visual effects compositing, digital audio, and HD postproduction. Emphasis on bringing ideas from conception to realization in HD studio environment.

**4364 Interactive Media**

Prerequisite(s): FDM 3361 or consent of instructor.

Interactive media elements and authoring systems, emphasizing the integration of computer technology in the development of interactive media messages.

**4365 Lighting and Cinematography**

Prerequisite(s): FDM 3361 or consent of instructor.

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**

Prerequisite(s): FDM 3361 or consent of instructor.

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. Lab fee required.

**4367 Film and Video Direction**

Prerequisite(s): FDM 3361 or consent of instructor.

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. Lab fee required.

**4380 Topics in Media History**

Prerequisite(s): Upper-level standing or consent of instructor.

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**

Prerequisite(s): Upper-level standing or consent of instructor.

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**

Prerequisite(s): Upper-level standing or consent of instructor.

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**

Prerequisite(s): Upper-level standing or consent of instructor.

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 contexts of national media. May be repeated twice under different topics not to exceed nine credit hours.

**4388 Topics in Media Production**

Prerequisite(s): FDM 3361 or consent of instructor.

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. Lab fee required.

**4396 Topics in Media Genres**

Prerequisite(s): Upper-level standing or consent of instructor.

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**

Prerequisite(s): Upper-level standing.

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.**

Prerequisite(s): Undergraduate: fifteen hours in major; graduate: consent of graduate director.

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.**

Study of a current topic in electronic media and/or film, including directed research and reading. May be repeated once with different topic. Recommended for majors and nonmajors.

**4V85 Special Problems in Telecommunication****1 to 3 sem. hrs.**

Prerequisite(s): Fifteen semester hours in Communication Studies (CSS or FDM), and consent of instructor.

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.**

Prerequisite(s): Consent of instructor.

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.

**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**

Prerequisite(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 or FIN 3367.)

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**

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.

**3310 Introduction to Financial Management**

Prerequisite(s): A minimum grade of C in ACC 2304 and ECO 2307; and completion of MTH 1309 or 1321.

An introduction to the principles of financial management, including the objective of the financial manager, financial markets and institutions, financial statements analysis and forecasting, the time value of money and valuation, budgeting of capital expenditures, risk and return, weighted average cost of capital, financial leverage, and working capital management. Students are expected to have a business financial calculator.

**3367 Introduction to Personal Financial Planning**

Prerequisite(s): A minimum grade of C in FIN 3310.

An introductory study of personal financial planning for the Financial Planning major. Topics include insurance, investments, taxation, retirement planning, and estate planning. This course is the first course in the Financial Planning major. The course emphasizes the rigor of personal financial planning and is designed to give potential Financial Planning majors an understanding of the degree of technical knowledge and expertise required of professional personal financial planners. Some case analysis is required to demonstrate practical applications of course concepts.

**3405 Principles of Real Estate**

Prerequisite(s): ECO 2306.

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. Satisfactory completion of this course, along with FIN 4220/4221, and one other Real Estate course, will qualify an individual to take the Texas real estate license examination.

**4220 Real Estate Law of Agency**

Co-requisite(s): FIN 4221.

Prerequisite(s): Not open to pre-business students.

An introduction to the concept of agency as it relates to the area of real estate, including the creation of the fiduciary relationship and termination of the agent's authority. Additionally, various related topics, including employment law, deceptive trade practices, listing and buying procedures, requirements for disclosure of agency, intermediary status, and the distinction between assistance and representation, will be discussed. Satisfactory completion of this course, along with FIN 3405, FIN 4221, and one other Real Estate course, will qualify an individual to take the Texas real estate license examination.

**4221 Real Estate Law of Contracts**

Co-requisite(s): FIN 4220.

Prerequisite(s): Not open to pre-business students.

An introduction to the essential elements of a contract including discussions of offer and acceptance, the statute of frauds, parol evidence, specific performance and remedies for breach, and the unauthorized practice of law. Other related topics include the Texas Real Estate commission's rules pertaining to the use of promulgated forms, owner disclosure requirements, option periods, Phase I Environmental Assessments, and case analysis of specific transactions utilizing all contract forms provided by the Commission. Satisfactory completion of this course, along with FIN 3405, FIN 4220, and one other Real Estate course, will qualify an individual to take the Texas real estate license examination.

**4310 Entrepreneurial Finance (Cross-listed as ENT 4310)**

Prerequisite(s): For finance majors, a minimum grade of C in FIN 3310; for entrepreneurial majors, ENT 3320 and a minimum grade of C in FIN 3310; not open to pre-business students.

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**

Prerequisite(s): FIN 3305 and a minimum grade of C in FIN 3310; not open to pre-business students.

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.

**4320 Fundamentals of Property and Liability Insurance**

Prerequisite(s): FIN 3305 and a minimum grade of C in FIN 3310; not open to pre-business students.

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**

Prerequisite(s): FIN 3405 and a minimum grade of C in FIN 3310; not open to pre-business students.

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. To facilitate an understanding of the discounted cash flow techniques used in valuation, the real estate industries leading computer software ARGUS Financial Analysis will be included.

### **4331 International Business Finance (Cross-listed as INB 4331)**

Prerequisite(s): A minimum grade of C in FIN 3310; not open to pre-business students.

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**

Prerequisite(s): A minimum grade of C in FIN 3310; not open to pre-business students.

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**

Prerequisite(s): For risk management and insurance majors, FIN 3305 and a minimum grade of C in FIN 3310; for finance majors, a minimum grade of C in FIN 3310; not open to pre-business students.

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**

Prerequisite(s): For real estate majors, FIN 3405 and a minimum grade of C in FIN 3310; for finance majors, a minimum grade of C in FIN 3310; not open to pre-business students.

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**

Prerequisite(s): For real estate majors, FIN 3405 and a minimum grade of C in FIN 3310; and finance majors, a minimum grade of C in FIN 3310; not open to pre-business students.

The flow of real estate funds, including the origination process, the secondary market, and the securitization of mortgage pools. Microcomputers are 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.



**4345 Real Estate Management**

Prerequisite(s): FIN 3405; not open to pre-business students.

Covers management of residential, commercial, and industrial properties on behalf of owners who seek to be relieved of the responsibility of personally attending to the details of renting, rent collecting, property maintaining, and record keeping. Social obligations as well as profit goals will be thoroughly emphasized.

**4360 Corporate Financial Management**

Prerequisite(s): A minimum grade of C in FIN 3310; not open to pre-business students.

An advanced study of long-term corporate financial decision-making, focusing on which assets a firm should acquire, how to raise the funds to acquire those assets, and how to manage acquired assets to maximize the value of the firm. Specific topics include economic profit, time value of money, risk and return, options, agency conflicts and financial contracting, capital budgeting, capital structure, and dividend policy.

**4361 Short-Term Financial Management**

Prerequisite(s): A minimum grade of C in FIN 3310; not open to pre-business students.

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.

**4365 Investment Analysis**

Prerequisite(s): A minimum grade of C in FIN 3310; not open to pre-business students.

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**

Prerequisite(s): A minimum grade of C in FIN 3310; not open to pre-business students.

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**

Prerequisite(s): ACC 4377, FIN 4365, FIN 3367, and FIN 4311; not open to pre-business students.

Capstone course for the Financial Services and Planning major. 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 Management of Financial Institutions**

Prerequisite(s): FIN 4360; not open to pre-business students.

A study of the role of financial institutions as intermediaries between providers and users of investment funds, with emphasis on the financial management issues facing such institutions. Principal topics include the economic rationale for the existence of financial intermediaries, the major types of financial institutions, and the major areas of risk management including credit risk, interest rate risk, liquidity risk, and capital risk. Additionally, attention may be given to financial engineering as a management tool for financial institutions. Lectures and readings are augmented with group projects and/or cases.

**4381 Practicum in Portfolio Management**

Prerequisite(s): FIN 4365 or equivalent and consent of instructor.

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**

Prerequisite(s): FIN 4360 or ECO 3306; not open to pre-business students.

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.**

Prerequisite(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.**

Prerequisite(s): 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**

Prerequisite(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.

**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**

Prerequisite(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.

**3331 Human Osteology (Cross-listed as ANT 3331)**

See ANT 3331 for course information.

**3392 Topics in Forensic Science Methods II**

Prerequisite(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.

**3393 Forensic Analysis of Biological Evidence**

Prerequisite(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.

**3394 Forensic DNA Analysis**

Prerequisite(s): BIO 2306 or concurrent enrollment, 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.

**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)**

Prerequisite(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.

**4V50 Independent Topics in Forensic Science**

**1 to 3 sem. hrs.**

Prerequisite(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)****1401 Elementary French**

**TCCNS: FREN 1411**

Introduction to French language and culture; pronunciation, grammar, reading of simple texts and conversation.

**1402 Elementary French**

**TCCNS: FREN 1412**

Prerequisite(s): FRE 1401.

Continuation of FRE 1401.

**1412 Accelerated Elementary French**

Prerequisite(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 1401 and 1402 in only one semester. Fulfills the language requirement only when combined with FRE 2310 and 2320 (or the equivalent unless stipulated otherwise). As grammar is reviewed, emphasis is placed on the major skill areas (ACTFL Guidelines): reading, writing, listening, speaking, and cultural awareness.

**2310 Intermediate French**

Prerequisite(s): FRE 1402 or 1412 or appropriate score on departmental placement exam; or departmental consent.

Conversation, composition, cultural readings, and grammar review.

**2312 Intermediate French for Business**

Prerequisite(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.

**2320 Intermediate French**

Prerequisite(s): FRE 2310 or 2312 or appropriate score on departmental placement exam; or departmental approval.

Continuation of FRE 2310.

**3301 Advanced French Grammar**

Prerequisite(s): FRE 2320 or appropriate score on departmental placement exam; or departmental approval.

Problems in French syntax.

**3302 Conversational French**

Prerequisite(s): FRE 2320 or appropriate score on departmental placement exam; or departmental approval.

Conversation, original composition.

**3305 Introduction to Commercial French**

Prerequisite(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**

Prerequisite(s): FRE 2320.

A review of the French sound system through practice in pronunciation.

**3310 Introduction to French Literature**

Prerequisite(s): FRE 2320.

Introduction to French literature through the study of selected major works.

**3315 Panorama of French Theater**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): FRE 2320.

Advanced oral and written communication.

**3330 Introduction to French Cinema**

Prerequisite(s): FRE 2320.

Study of French film for insights into French culture as well as for the enhancement of language skills.

**3335 Theater in Paris**

Prerequisite(s): FRE 2320.

Study of selected French plays and attendance at their performances. Offered as part of the Baylor in Paris Summer Program.

**3337 French Civilization**

Prerequisite(s): One 3000 level French course or consent of division director.

The social, cultural, historical, and intellectual aspects French civilization from its origins to the twentieth century.

**3338 Contemporary France**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): FRE 2320.

The cultural, economic, geographical and historical aspects of France’s regions and former provinces.

**3351 Introduction to French Linguistics**

Prerequisite(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.**

Prerequisite(s): Consent of division director.

With content changed, this course may be repeated once for credit.

**4301 Topics in French Grammar**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): One 3000 level French course or consent of division director.

Sequel to FRE 3330; the history of French cinema from the Lumiere brothers in the 1890s to contemporary French film.

**4331 Survey of French Literature I**

Prerequisite(s): One 3000 level French course or consent of division director.

French literature from its origin through the eighteenth century.

**4332 Survey of French Literature II**

Prerequisite(s): FRE 4331 or consent of division director.

French literature of the nineteenth and twentieth centuries.

**4337 Seventeenth-Century Literature**

Prerequisite(s): One 3000 level French course or consent of division director.

Selected readings with emphasis on Corneille, Molière, and Racine.

**4338 Eighteenth-Century Literature**

Prerequisite(s): One 3000 level French course or consent of instructor.

Selected readings with emphasis on Montesquieu, Voltaire, Rousseau, and Diderot.

**4339 Nineteenth-Century Literature**

Prerequisite(s): One 3000 level French course or consent of division director.

Selected readings with emphasis on Hugo, Balzac, Flaubert, and Baudelaire.

**4340 Twentieth-Century Literature**

Prerequisite(s): One 3000 level French course or consent of instructor.

Selected readings with emphasis on Proust, Sartre, Camus, and Beckett.

**4341 French Media**

Prerequisite(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**

Prerequisite(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.**

Prerequisite(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.

**FRESHMAN ACADEMIC SEMINAR (FAS)****1115 Freshman Academic Seminar: Social Science I**

Engaged Learning Groups focused on social science topics.

**1116 Freshman Academic Seminar: Fine Arts I**

Engaged Learning Groups focused on fine arts topics.

**1117 Freshman Academic Seminar: Science I**

Engaged Learning Groups focused on science topics. Laboratory experiences will be included.

**1118 Freshman Academic Seminar: English Research and Writing I**

Engaged Learning Groups focused on English research and writing topics.

**1119 Freshman Academic Seminar: Topics I**

Engaged Learning Groups topics course.

**1125 Freshman Academic Seminar: Social Science II**

Prerequisite(s): FAS 1115.

Continuation of Engaged Learning Groups focused on social science.

**1126 Freshman Academic Seminar: Fine Arts II**

Prerequisite(s): FAS 1116.

Continuation of Engaged Learning Groups focused on fine arts topics.

**1127 Freshman Academic Seminar: Science II**

Prerequisite(s): FAS 1117.

Continuation of Engaged Learning Groups focused on science topics. Laboratory experiences will be included.

**1128 Freshman Academic Seminar: English Research and Writing II**

Prerequisite(s): FAS 1118.

Continuation of Engaged Learning Groups focused on English research and writing topics.

**1129 Freshman Academic Seminar: Topics II**

Prerequisite(s): FAS 1119.

Continuation of Engaged Learning Groups topics course.

**1135 Freshman Academic Seminar: Social Science III**

Prerequisite(s): FAS 1125.

Continuation of Engaged Learning Groups focused on social science.

**1136 Freshman Academic Seminar: Fine Arts III**

Prerequisite(s): FAS 1126.

Continuation of Engaged Learning Groups focused on fine arts topics.

**1137 Freshman Academic Seminar: Science III**

Prerequisite(s): FAS 1127.

Continuation of Engaged Learning Groups focused on science topics. Laboratory experiences will be included.

**1138 Freshman Academic Seminar: English Research and Writing III**

Prerequisite(s): FAS 1128.

Continuation of Engaged Learning Groups focused on English research and writing topics.

**1139 Freshman Academic Seminar: Topics III**

Prerequisite(s): FAS 1129.

Continuation of Engaged Learning Groups topics course.

**1145 Freshman Academic Seminar: Social Science IV**

Prerequisite(s): FAS 1135.

Capstone of Engaged Learning Groups focused on social science topics.

**1146 Freshman Academic Seminar: Fine Arts IV**

Prerequisite(s): FAS 1136.

Capstone of Engaged Learning Groups focused on fine arts topics.

**1147 Freshman Academic Seminar: Science IV**

Prerequisite(s): FAS 1137.

Capstone of Engaged Learning Groups focused on science topics. Laboratory experiences will be included.

**1148 Freshman Academic Seminar: English Research and Writing IV**

Prerequisite(s): FAS 1138.

Capstone of Engaged Learning Groups focused on English research and writing topics.

**1149 Freshman Academic Seminar: Topics IV**

Prerequisite(s): FAS 1139.

Capstone of Engaged Learning Groups topics course.

**1302 Freshman Academic Seminar**

Prerequisite(s): ACT 21 or SAT 550 (verbal) and 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. Substitutes for ENG 1302 automatically only in the College of Arts and Sciences.

**1303 Freshman Academic Seminar: Medicine, Meaning, and the Patient/Physician Relationship (Cross-listed as MH 1303)**

Prerequisite(s): Act 21 or SAT 550 (verbal) and first semester freshman standing.

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. Substitutes for a basic social requirement on certain degrees automatically only in the College of Arts and Sciences.

**1304 Freshman Academic Seminar: History**

Prerequisite(s): ACT 21 or SAT 550 (verbal) and 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. Substitutes for a basic history requirement on certain degrees automatically only in the College of Arts and Sciences.

**1305 Freshman Academic Seminar: Social Science**

Prerequisite(s): ACT 21 or SAT 550 (verbal) and 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 social science. Emphasizes critical inquiry and thinking, research, writing, and problem solving. Substitutes for a basic social science requirement on certain degrees automatically only in the College of Arts and Sciences.

**1306 Freshman Academic Seminar: Fine Arts**

Prerequisite(s): ACT 21 or SAT 550 (verbal) and 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. Substitutes for a basic fine arts requirement on certain degrees automatically only in the College of Arts and Sciences.

**1308 Freshman Academic Seminar: Religion**

Prerequisite(s): ACT 21 or SAT 550 (verbal) and 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 religion. Emphasizes critical inquiry and thinking, research, writing, and problem solving. Substitutes for a basic religion requirement (REL 1350) on certain degrees automatically only in the College of Arts and Sciences.

**1407 Freshman Academic Seminar: Science**

Prerequisite(s): ACT 21 or SAT 550 (verbal) and first semester freshman standing.

Introduces first-year students to the world of academics and the scholarly community through exploration of topics of significant cultural/social importance in the area of science. Emphasizes critical inquiry and thinking, research, writing, and problem solving.

**GEOGRAPHY (GEOG)****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.

**2301 Introduction to the Middle East (Cross-listed as MES 2301)**

See MES 2301 for course information.

**3312 Geography of North America**

Regional analysis of physical economic, and cultural phenomena in the United States and Canada with emphasis on Texas.

**3315 Geography of East Asia (Cross-listed as AST 3315)**

Prerequisite(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.

**3330 Economic Geography (Cross-listed as ECO 3330 and INB 3330)**

See ECO 3330 for course information.

**3365 Population Geography (Cross-listed as SOC 3365)**

See SOC 3365 for course information.

**3395 Internship in Geography**

Prerequisite(s): Consent of faculty.

Departmental approved and supervised work experience in a geography-related position.

**4314 Meteorology (Cross-listed as AVS 4311 and GEO 4314)**

Prerequisite(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.

**4315 Political Geography (Cross-listed as PSC 4315)**

See PSC 4315 for course information.

**4316 Geography for Educators**

Prerequisite(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.

**4333 Coastal Zone Management (Cross-listed as ENV 4333)**

See ENV 4333 for course description.

**4340 Geomorphology (Cross-listed as GEO 4340)**

Prerequisite(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.

**4350 Field Geography**

Prerequisite(s): Departmental consent.

The field experience of an overseas or domestic geographic problem using accepted geographic research techniques and resulting in an illustrated written report.

**4386 Remote Sensing (Cross-listed as AVS 4386, BIO 4386, ENV 4386, and GEO 4386)**

See GEO 4386 for course information.

**4388 Science Leadership: Community Applications of GIS**

Prerequisite(s): GEO/GEOG 4385 or ENV 4384 and consent of instructor.

Development of science leadership skills through community-based research on geographical issues involving geographic information systems (GIS).

**4485 Introduction to Geographic Information Systems (Cross-listed as AVS 4485, ENV 4485, and GEO 4485)**

Prerequisite(s): Upper-level standing.

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.

**4487 Advanced GIS Analysis (Cross-listed as AVS 4487, ENV 4487, and GEO 4487)**

Prerequisite(s): GEOG 4485, GEO 4485, ENV 4485, or AVS 4485; and upper-level standing.

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.

**4V90 Special Problems**

**1 to 3 sem. hrs.**

Prerequisite(s): Consent of department chair.

For undergraduates who wish to study special topics not available in formal courses within the major. Course may be repeated with a change in content or topic not to exceed six semester hours.

**GEOLOGY (GEO)****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.

**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)

**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.

**1405 The Dynamic Earth**

**TCCNS: GEOL 1403**

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.

**1406 Earth through Time**

**TCCNS: GEOL 1404**

The history of the earth and its inhabitants with emphasis on the processes and principles by which this history is determined. Field trips, including one Saturday, required. (3-2)

**1408 Earth Science**

**TCCNS: GEOL 1401**

A descriptive survey of the earth sciences including astronomy, geology, meteorology, and oceanography. One Saturday field trip required. (3-2)

**1V90 Special Problems****1 to 3 sem. hrs.**

Prerequisite(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.

**3313 Regional Geology**

Prerequisite(s): GEO 1401, 1402, 1403, 1405 or 1408; and 1406.

A survey of regional stratigraphic, structural, physiographic, petrographic, and mineralogic provinces of the United States. Extensive library research is required.

**3319 Geophysics**

Prerequisite(s): GEO 1401, 1402, 1403, 1405 or 1408.

Introduction to the study of the earth by quantitative physical methods, especially by seismic reflection and refraction, gravity, magnetic, electrical, and radiation methods.

**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.

**3329 Aqueous Geochemistry**

Prerequisite(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.

**3341 Marine Field Studies (Cross-listed as BIO 3341)**

Prerequisite(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.

**3342 Field Stratigraphy-Sedimentology**

Prerequisite(s): GEO 3427, 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.

**3344 Sedimentary Field Studies**

Prerequisite(s): GEO 1401, 1402, 1403, 1405, or 1408; and 1406.

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.

**3349 Hydrologic Processes**

Prerequisite(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.

**3427 Rocks and Rock-Forming Minerals**

Prerequisite(s): GEO 1405 (or equivalent) and CHE 1301.

Igneous, Sedimentary, and Metamorphic rocks in hand specimen; crystallography and systematic mineralogy. Occasional field trips.

**3430 Petrology**

Prerequisite(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.

**3435 Invertebrate Paleontology (Cross-listed as BIO 3435)**

Prerequisite(s): GEO 1406, four semester hours of biology, 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)

**3445 Structural Geology**

Prerequisite(s): GEO 1401, 1402, 1403, 1405, or 1408; and GEO 1406 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)

**3643 Field Geology**

Prerequisite(s): Consent of instructor.

Field experience in the American West. Includes extended field trip, oral and written reports, rock and mineral identification and interpretation, preparation of sample and slide collections, and design of field problems. Offered in the field during the summer session.

**4255 Advanced Seismic Interpretation**

Prerequisite(s): GEO 4458 or consent of instructor.

Modern techniques used to extract geological information from seismic reflection data. Emphasis is placed on the interpretation of real data sets and the construction of subsurface maps and sections.

**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.

**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)

**4314 Meteorology (Cross-listed as AVS 4311 and GEOG 4314)**

See GEOG 4314 for course information.

**4325 Economic Mineral Deposits**

Prerequisite(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.

**4328 Sedimentary Petrology**

Prerequisite(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.

**4332 Science Leadership: Community Environmental Research (Cross-listed as ENV 4332)**

See ENV 4332 for course information.

**4335 Volcanology**

Prerequisite(s): Consent of instructor.

Analysis of volcanic ejecta. Mechanisms of lava and pyroclastic eruptions. Geomorphological analysis of volcanic land forms. History of volcanological studies and case studies of well known volcanoes. Field trips.

**4336 Analytical Techniques in Geochemistry**

Prerequisite(s): GEO 3427.

Principles and practice of X-ray fluorescence and electron probe analysis of geologic materials. Includes extensive laboratory work. (2-2)

**4337 Paleocology**

Prerequisite(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)

**4339 Advanced Marine Field Studies (Cross-listed as BIO 4339)**

Prerequisite(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.

**4340 Geomorphology (Cross-listed as GEOG 4340)**

See GEOG 4340 for course information.

**4341 Introduction to Hydrology**

Prerequisite(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.

**4345 Water Management (Cross-listed as ENV 4345)**

See ENV 4345 for course information.

**4346 Hydrogeology**

Prerequisite(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)

**4348 Geoarchaeology (Cross-listed as ANT 4348 and ARC 4348)**

Prerequisite(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.

**4371 Wetlands (Cross-listed as ENV 4371)**

Prerequisite(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.

**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.

**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, and GEOG 4386)**

Prerequisite(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.

**4389 Quaternary Geology**

Prerequisite(s): GEOG 1404, GEO 1405, 1406, 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.

**43C0 Senior Thesis**

Prerequisite(s): Consent of faculty.

Independent research of a problem approved by the staff. Results will be submitted in proper thesis form.

**43C1 Senior Colloquium Capstone**

Prerequisite(s): Senior level standing.

Capstone course emphasizing integration of all major core courses in the geology, geophysics, or earth science majors.

**4430 Vertebrate Paleontology (Cross-listed as BIO 4430)**

See BIO 4430 for course information.

**4455 Introduction to Seismology**

Prerequisite(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.

**4457 Geophysical Exploration I**

Prerequisite(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.

**4458 Geophysical Exploration II**

Prerequisite(s): GEO 3342 and 3445; and consent of instructor.

Exploration geophysics, using latest seismic techniques and well-log analyses, with emphasis on petroleum exploration.

**4459 Engineering Geology**

Prerequisite(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)

**4465 Petroleum Geology**

Prerequisite(s): GEO 3342 and 3445.

Origin, migration, and accumulation of petroleum. Exploration and production methods for hydrocarbon recovery. (2-6)

**4485 Introduction to Geographic Information Systems (Cross-listed as AVS 4485, ENV 4485, and GEOG 4485)**

See GEOG 4485 for course information.

**4487 Advanced GIS Analysis (Cross-listed as AVS 4487, ENV 4487, and GEOG 4487)**

See GEOG 4487 for course information.

**4656 Geophysical Field Training**

Prerequisite(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.

**4V90 Special Problems**

**1 to 5 sem. hrs.**

Prerequisite(s): Consent of department chair.

Course may be repeated with a change in content or topic.

**GERMAN (GER)****1401 Elementary German**

**TCCNS: GERM 1411**

Introduction to the German language and culture: pronunciation, grammar, reading of simple texts and conversation.

**1402 Elementary German**

**TCCNS: GERM 1412**

Prerequisite(s): GER 1401.

Continuation of GER 1401.

**1412 Accelerated Elementary German**

Prerequisite(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 1401 and 1402 in only one semester. Fulfills the language requirement only when combined with GER 2310 and 2320 (or the equivalent unless stipulated otherwise). As grammar is reviewed, emphasis is placed on the major skill areas (ACTFL Guidelines): reading, writing, listening, speaking, and cultural awareness.

**2310 Intermediate German**

Prerequisite(s): GER 1402 or 1412, or appropriate score on departmental placement exam, or departmental approval.

Conversation, composition, cultural readings, and grammar review.

**2312 Intermediate German for Business**

Prerequisite(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.

**2320 Intermediate German**

Prerequisite(s): GER 2310 or 2312 or appropriate score on departmental placement exam or departmental consent.

Continuation of GER 2310.

**3301 German Conversation and Composition**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): Upper-level standing.

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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): Fourteen semester hours of German.

Emphasis on German short prose fiction of the twentieth century.

**3353 German Drama**

Prerequisite(s): Fourteen semester hours of German.

Emphasis on the drama of the nineteenth and twentieth centuries.

**3354 German Poetry**

Prerequisite(s): Fourteen semester hours of German.

Survey of the German lyric.

**3V70 Special Problems**

**1 to 3 sem. hrs.**

Prerequisite(s): Consent of division director.

With content changed, this course may be repeated once for credit.

**4301 Survey of German Literature**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): Seventeen semester hours of German including GER 3301 or consent of instructor.  
Emphasis on Romanticism.

**4308 German Literature of the Nineteenth Century, continued**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**4V90 Independent Study****1 to 3 sem. hrs.**

Prerequisite(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.

**4340 Ethnicity and Aging (Cross-listed as SOC 4340 and SWO 4340)**

See SWO 4340 for course information.

**4342 Social Services for Older Persons (Cross-listed as SWO 4342)**

See SWO 4342 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.

**4398 Practicum****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 The Intellectual Tradition of the Ancient World**

Close reading and discussion of foundational texts that establish the parameters of morality, aesthetics, religion, and philosophy.

**2302 The Medieval Intellectual Tradition**

Consideration and discussion of the development of thought from the medieval to the modern period, with particular attention paid to the Christian intellectual tradition.

**2320 Greek and Hebrew Era**

An undergraduate seminar in the Great Texts of the Greek and Hebrew era. Students will read selections from the Old Testament, Homer, Herodotus, Sophocles, Euripides, Aeschylus, Thucydides, Plato, Aristotle, Euclid, and others.

**2321 Roman and Early Christian Era**

An undergraduate seminar in the Great Texts of late Antiquity. Students will read selections from the New Testament, Cicero, Lucretius, Horace, Virgil, Plutarch, Ovid, Athanasius, Augustine, Boethius, and others.

**3320 Middle Ages**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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)**

Prerequisite(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**

Prerequisite(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.

**4320 Eighteenth and Nineteenth Centuries**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**4340 Great Works in Music**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**4371 Epic and Romance in the High Middle Ages**

Prerequisite(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.**

Prerequisite(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 (GKB)****1301 Elementary Greek**

The basic elements of Classical and Koine Greek grammar and culture, emphasizing both Classical and New Testament authors.

**1302 Elementary Greek**

Prerequisite(s): GKB 1301.

Continuation of GKB 1301.

**2310 Intermediate Greek I**

Prerequisite(s): GKB 1302.

The Apology, Crito, and Phaedo of Plato; review of inflection and syntax.

**2320 Intermediate Greek II**

Prerequisite(s): GKB 1302.

The Acts of the Apostles; review of inflection and syntax.

**3301 Homer**

Prerequisite(s): GKB 2310 and 2320.

Selections from the Iliad and the Odyssey.

**3302 Greek Historians**

Prerequisite(s): GKB 2310 and 2320.

Selections from Herodotus and Thucydides.

**3303 Greek Tragedy**

Prerequisite(s): GKB 2310 and 2320.

Selected plays of Aeschylus, Sophocles, and Euripides.

**3351 Advanced New Testament Greek**

Prerequisite(s): GKB 2310 and 2320.

Reading in the Pauline Epistles.

**3352 Hellenistic Greek**

Prerequisite(s): GKB 2310 and 2320.

Reading in the literature of the Hellenistic period.

**3353 The Septuagint**

Prerequisite(s): GKB 2310 and 2320.

Selections from the Septuagint, chosen to meet the needs and interests of the student.

**4301 Readings from Greek Literature**

Prerequisite(s): Consent of instructor.

Greek authors to be read are selected to meet the needs of the student. With content changed, this course may be repeated once for credit.

**4308 Greek Prose Composition (Cross-listed as GKC 4308)**

See GKC 4308 for course information.

**GREEK (GKC)****1301 Elementary Greek****TCCNS: GREE 1311**

The basic elements of Classical and Koine Greek grammar and culture, emphasizing both Classical and New Testament authors.

**1302 Elementary Greek****TCCNS: GREE 1312**

Prerequisite(s): GKC 1301

Continuation of GKC 1301.

**2310 Intermediate Greek**

Prerequisite(s): GKC 1302.

Readings from Plato and the Gospels with an emphasis on the complete synthesis of Greek syntax, with attention to the interpretive relationship between Classical and New Testament texts.

**2320 Intermediate Greek**

Prerequisite(s): GKC 2310.

Readings in Homer's Odyssey with continued emphasis on Greek syntax.

**3302 Greek Historians**

Prerequisite(s): GKC 2310 and 2320.

The principles of Greek historiography emphasizing Herodotus, Thucydides, and other Greek historians.

**3303 Greek Tragedy**

Prerequisite(s): GKC 2310 and 2320.

Greek drama, emphasizing Aeschylus, Sophocles, and Euripides.

**3305 Classical Rhetoric and the Christian Tradition**

Prerequisite(s): GKC 2310 and 2320.

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**

Prerequisite(s): GKC 2310 and 2320.

Readings on the life and times of Alexander the Great.

**3307 Sicilian Narratives**

Prerequisite(s): GKC 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**

Prerequisite(s): GKC 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**

Prerequisite(s): GKC 2310 and 2320.

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**

Prerequisite(s): GKC 2310 and 2320.

Literature of the Hellenistic period (323 - 31 BC) with additional attention on New Testament backgrounds, in particular Philo and Josephus.

**3354 Apocalyptic Literature**

Prerequisite(s): GKC 2310 and 2320.

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.

**4301 Readings from Greek Literature**

Prerequisite(s): 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**

Prerequisite(s): GKC 2310 and 2320.

Readings may include selections from Archilochus, Sappho, Alcaeus, Stesichorus, Anacreon, Simonides, and others.

**4303 Homer's Iliad**

Prerequisite(s): GKC 2310 and 2320.

Readings from the Iliad with emphasis on the characteristics of the archaic oral tradition, as the foundation of Greek literature.

**4304 Greek Comedy**

Prerequisite(s): GKC 2310 and 2320.

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**

Prerequisite(s): GKC 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**

Prerequisite(s): GKC 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**

Prerequisite(s): GKC 2310 and 2320.

Selections from representative Greek orators, such as Antiphon, Andocides, Lysias, Isocrates and Isaeus.

**4308 Greek Prose Composition (Cross-listed as GKB 4308)**

Prerequisite(s): GKC 2310 and 2320, or GKB 2310 and 2320.

Translation of English text into classical Greek.

**4309 The Gods of the Greeks**

Prerequisite(s): GKC 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**

Prerequisite(s): GKC 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**

Prerequisite(s): GKC 2310 and 2320.

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**

Prerequisite(s): GKC 2310 and 2320.

The Septuagint as an example of the interaction between the Hebrew, Greek, and Roman worlds.

**4353 Lives of the Early Christian Saints**

Prerequisite(s): Greek 2310 and 2320 or consent of instructor.

Selected readings in Greek about the lives of the saints of the early church.

## HEALTH EDUCATION (HED)

### 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.

### 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 Community Health and Health Promotion

Introduces students to historical and theoretical foundations of community health, major health problems prevalent in society, and the community health models and programs used to address these problems. Overviews seven competency areas of an entry-level health education specialist and their applicability in community settings. Explores career opportunities, mock interviews, and resume and cover letter writing.

### 2331 Health Concepts and Competencies

Prerequisite(s): HED 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.

### 2340 Consumer and Environmental Health Choices

Current issues in consumer and environmental health. Special emphasis will be placed on the social, economic, political and environmental ramifications of decisions people make in their pursuit of health.

### 2350 Early Childhood and Elementary School Health Education

Prerequisite(s): HED 1145 or concurrent enrollment.

Meets the early childhood and elementary school certification requirement of the Texas Education Agency. The course deals primarily with state mandates specific to these grade levels and content. Grade specific content and materials pre-K-6 are presented.

### 3311 Essentials of Ethics in Healthcare (Cross-listed as HP 3311)

See HP 3311 for course information.

### 3313 Nutrition

Prerequisite(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.

### 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**

Prerequisite(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.

**3331 Program Planning in Health Education**

Prerequisite(s): HED 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**

Prerequisite(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.

**3351 Epidemiology/Vital Statistics**

Prerequisite(s): HED 2330.

An introductory course for students in health sciences, community/public health and allied health fields. Provides foundational background including historical, key concepts and basic principles. Topics will include historical foundations, organizing epidemiological data, disease factors including agents, hosts, food, fomites and environmental. Case studies will be utilized to understand vital statistics and practice using descriptive and analytical statistical tools. Epidemiological influences of past, current and future health policy will be examined.

**4321 Human Sexuality**

Prerequisite(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.

**4323 Professional Field Experiences in Health**

Prerequisite(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**

Prerequisite(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.

**4331 Intervention Design in Health Education**

Prerequisite(s): HED 2331 and 3331.

Theories and methods used to design interventions in health education and health promotion. A special emphasis is focused on health behaviors and life-style changes.

**4333 Program Evaluation in Health Education**

Prerequisite(s): HED 2330, 3331 and 4331.

Focuses on process, impact, and outcome evaluation of health education and health promotion programs. Other skills covered include planning designs, data collection, quantitative methods, qualitative methods, data analysis, and data interpretation, and grant writing to fund evaluation efforts.

**4340 International Health Education**

Prerequisite(s): Consent of instructor.

Overviews global health issues and the role of health education among medically underserved populations worldwide. Course is designed for field-based application in international or local immigrant/refugee settings. Instructor approval required.

**4341 Cross-Cultural Health Communication**

Prerequisite(s): Consent of instructor.

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. Instructor approval required.

**4355 Human Diseases**

Prerequisite(s): A minimum grade of C in HED 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.**

Prerequisite(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.

**HEBREW (HEB)****1301 Introductory Hebrew I**

An introduction to the orthography, morphology, and syntax of Biblical Hebrew.

**1302 Introductory Hebrew II**

Prerequisite(s): HEB 1301.

Continuation of HEB 1301.

**2310 Intermediate Hebrew I**

Prerequisite(s): HEB 1302 or its equivalent.

Selected readings in the historic prose of the Old Testament with Hebrew composition.

**2320 Intermediate Hebrew II**

Prerequisite(s): HEB 2310 or its equivalent.

Selected readings in the Prophets, Psalter, and Wisdom literature of the Old Testament.

**HISTORY (HIS)****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.

**2365 History of the United States to 1877 (Cross-listed as AMS 2365)**

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 (Cross-listed as AMS 2366)**

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.

**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.

**2395 Historiography**

Prerequisite(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**

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.

**3305 Traditional China (Cross-listed as AST 3305)**

Prerequisite(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)**

Prerequisite(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)**

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**

Prerequisite(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**

Survey of Middle East history from the rise of Islam to Napoleon's invasion of Egypt in 1798.

**3315 History of West Africa**

Prerequisite(s): Six credit hours in history or consent of instructor.

Introduction to West African history, culture, customs, and societies from the earliest times to 1975.

**3316 History of Africa to 1900**

Prerequisite(s): Six semester hours of history or consent of instructor.

African history from the earliest time to 1900.

### **3317 History of Africa Since 1900**

Prerequisite(s): Six semester hours of history or consent of instructor.

The colonization of Africa and subsequent changes under colonial rule.

### **3340 Russia to 1861**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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 (Cross-listed as AMS 3360)**

Prerequisite(s): HIS 2365 and 2366 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 (Cross-listed as AMS 3362)**

Prerequisite(s): HIS 2365 and 2366 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 (Cross-listed as AMS 3371)**

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 (Cross-listed as AMS 3381)**

The political, economic, and social history of Texas in its regional setting in the American Southwest from the period of colonization to the present.

### **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)**

Prerequisite(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**

Prerequisite(s): Upper-level standing.

Political, religious, intellectual and social transformations in the Middle East during the nineteenth and twentieth centuries.

**4313 War and Peace in the Middle East**

Prerequisite(s): Upper-level standing.

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**

Prerequisite(s): Nine semester hours of history or consent of instructor.

The history of peoples of African descent in the Diaspora worldwide.

**4322 Ancient Greece**

Prerequisite(s): Nine semester hours of history or consent of instructor.

Culture and institutions of Archaic and Classical Greece to 323 B.C.

**4324 Ancient Rome**

Prerequisite(s): Nine semester hours of history or consent of instructor.

Roman Republic and the rise and fall of the Empire to 565 A.D.

**4326 Early Medieval Europe, c. 300-1000**

Prerequisite(s): Nine semester hours of history or consent of the instructor.

Emergence of medieval civilization through the blending of Roman, Christian, and Germanic institutions, customs, and beliefs.

**4327 High Middle Ages, c. 1000-1450**

Prerequisite(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**

Prerequisite(s): Upper-level standing and nine semester hours of history; or consent of instructor.

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**

Prerequisite(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.

**4331 European Expansion, 1400-1800**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**4336 Europe since World War I**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

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 (Cross-listed as AMS 4339)**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): Upper-level standing and nine semester hours of history; or consent of instructor.

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**

Prerequisite(s): Upper-level standing and nine semester hours of history; or consent of instructor.

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**

Prerequisite(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)**

Prerequisite(s): Upper-level standing, and nine semester hours of history; or consent of instructor.

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 (Cross-listed as AMS 4354)**

Prerequisite(s): Nine semester hours of History and upper-level standing 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**

Prerequisite(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.

**4360 Religion and the Body Politic (Cross-listed as CHS 4360, PSC 4360, and REL 4360)**

See CHS 4360 for course information.

**4362 American Colonial History (Cross-listed as AMS 4362)**

Prerequisite(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 (Cross-listed as AMS 4363)**

Prerequisite(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 (Cross-listed as AMS 4365)**

Prerequisite(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.

**4368 Civil War and Reconstruction (Cross-listed as AMS 4368)**

Prerequisite(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 (Cross-listed as AMS 4369)**

Prerequisite(s): 9 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 (Cross-listed as AMS 4371)**

Prerequisite(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 (Cross-listed as AMS 4374)**

Prerequisite(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 (Cross-listed as AMS 4377)**

Prerequisite(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.)

**4376 Eastern Perspectives on Church and State (Cross-listed as CHS 4376)**

See CHS 4376 for course information.

**4378 History of the American Woman Since 1865 (Cross-listed as AMS 4373)**

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 AMS 4352 and SEES 4379)**

Prerequisite(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 (Cross-listed as AMS 4382)**

Prerequisite(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 (Cross-listed as AMS 4383)**

Prerequisite(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.

**4384 American Indian History (Cross-listed as AMS 4384)**

Prerequisite(s): Nine semester hours of history or consent of instructor.

History of American Indians in the area known as the continental United States from the arrival of the first Europeans to the present day.

**4385 The United States in the 1960s (Cross-listed as AMS 4355)**

Prerequisite(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 (Cross-listed as AMS 4386)**

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 AMS 4388)**

Prerequisite(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 precontact to the present.

**4392 American Foreign Relations since 1919 (Cross-listed as AMS 4392)**

Prerequisite(s): Nine semester hours or consent of instructor.

Role of the United States as a great power, with emphasis upon the changing attitudes toward world affairs.

**4395 History of American Thought, 1630-1859 (Cross-listed as AMS 4395)**

Prerequisite(s): Nine semester hours 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 (Cross-listed as AMS 4396)**

Prerequisite(s): Nine semester hours 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 (Cross-listed as AMS 4398)**

Prerequisite(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.**

Prerequisite(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.

**HONORS (HON)****1251 Cultural History of Western Civilization**

From the Classical Greek world to contemporary American culture, this course offers students an overview of the great art, literature, architecture, and music of Western Civilization. Guest experts from many departments at Baylor provide insights that--combined with the readings, the music and the paintings--give students a cultural and historical survey of the tradition from which we come. Class sessions are designed to encourage a sense of community and a memorable experience with the arts.

**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**

Prerequisite(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**

Prerequisite(s): HON 3200.

Continuation of HON 3200.

### **3455 Research Design**

Prerequisite(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.**

Prerequisite(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**

Prerequisite(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.

### **4177 Honors Thesis I**

Prerequisite(s): HON 3101 or concurrent enrollment.

Work on and submission of a chapter or major section of the Honors thesis project, supervised by a faculty member in the student's major department or concentration.

### **4178 Honors Thesis II**

Prerequisite(s): HON 4177 or concurrent enrollment.

Work on and submission of a second chapter or major section of the Honors thesis project, supervised by a faculty member in the student's major department or concentration.

### **4187 Honors Thesis III**

Prerequisite(s): HON 4178 or concurrent enrollment.

Completion and submission of a full draft of the Honors thesis project, supervised by a faculty member in the student's major department or concentration.

### **4188 Honors Thesis IV**

Prerequisite(s): HON 4187 or concurrent enrollment.

Oral defense of the Honors thesis project before a faculty committee chaired by the supervising faculty member; completion of any necessary revisions to the project (including formatting); and submission of the final, approved thesis.

### **4350 Religion and Terrorism in the Modern World (Cross-listed as CHS 4350)**

See CHS 4350 for course information.

**4V87 Honors Thesis****1 to 4 sem. hrs.**

Prerequisite(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)****ACTIVITY COURSES)****1104 Adaptive H.P.**

Prerequisite(s): Departmental consent required.

Special program for students with physical handicaps. No student is excused from human performance because of a disability. Prior to the beginning of the semester, handicapped/disabled students must present a medical statement from their physician outlining both the nature of the disability and recommendations for a program of activity in order to register for this course. An individualized rehabilitation program and/or academic-oriented program will be provided by the attending physician. Course is graded pass-fail. (Lab fee required.)

**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. (Lab fee required.)

**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. (Lab fee required.)

**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. (Lab fee required.)

**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.

**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. (Lab fee 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. (Lab fee required.)

**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. (Lab fee required.)

**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. (Lab fee required.)

**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. (Lab fee required.)

**1119 Advanced Ballet**

Prerequisite(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. (Lab fee required.)

**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). (Lab fee required.)

**1122 Intermediate Bicycling**

An advanced-level course covering bicycling knowledge, skills, and safety. Class rides will be ten to fourteen miles. Although HP 1121, Beginning Bicycling, is not a prerequisite, students are expected to have mastered basic bicycling skills before enrolling in this course. Required equipment: safe, dependable, efficient bicycle with ten or more speeds; approved helmet; tire pump (frame type); and basic tool kit. (Lab fee required.)

**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. (Lab fee required.)

**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. (Lab fee required.)

**1128 Varsity Sports Conditioning I**

Prerequisite(s): Departmental consent required.

This course is designated as an entry level course for varsity athletes participating in intercollegiate sports. (Lab fee required.)

**1129 Varsity Sports Conditioning II**

Prerequisite(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. (Lab fee required.)

**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.

**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. (Lab fee required.)

**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. (Lab fee required.)

**1139 Intermediate Golf**

Prerequisite(s): HP 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. (Lab fee required.)

**1140 Advanced Golf**

Prerequisite(s): Departmental consent required.

This course is for those students who own a set of clubs and have a handicap of less than twenty. (Lab fee required.)

**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. (Lab fee required.)

**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. (Lab fee required.)

**1151 Beginning Karate**

This is a course designed to improve beginning self-defense techniques. Skills include kicking, punching, blocking, and offensive and defensive maneuvers. Karate improves strength flexibility, body control, and self confidence. (Lab fee required.)

**1152 Intermediate Karate**

Prerequisite(s): HP 1151 or departmental consent required.

This course reviews material covered at the beginning level of Shotokan Karate. 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.)

**1153 Advanced Karate**

Prerequisite(s): HP 1152 or departmental consent required.

Students must have successfully completed Intermediate Karate or have special permission of the instructor to enter advanced class. The advanced class will focus on applying the techniques of Shotokan Karate in three-step sparring, one-step sparring, and self defense, as well as introducing the strategy and tactics used in free sparring. New karate techniques appropriate for each skill level will also be taught. (Lab fee required.)

**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. (Lab fee required.)

**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.

**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. (Lab fee required.)

**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.

**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.)

**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. (Lab fee required.)

**1169 Intermediate Self Defense**

Prerequisite(s): A minimum grade of C in HP 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.)

**1170 Advanced Self Defense**

Prerequisite(s): A minimum grade of C in HP 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.). (Lab fee required)

**1171 Softball**

This course stresses the fundamentals of throwing, catching, fielding, batting, rules and regulations, equipment selection, drills, and actual play. (Lab fee required.)

**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. (Lab fee required.)

**1176 Intermediate Swimming**

A course that develops correct stroke technique, introduction to breast stroke, side stroke, butterfly, turns, diving, basic and emergency water safety, and daily conditioning through lap swimming. (Lab fee required.)

**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. (Lab fee required.)

**1178 Lifeguard Training**

Prerequisite(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. (Lab fee required.)

**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. (Lab fee required.)

**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. (Lab fee required.)

**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. (Lab fee required.)

**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. (Lab fee required.)

**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. (Lab fee required.)

**1190 Multi-terrain Volleyball**

Prerequisite(s): HP 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.

**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. (Lab fee required.)

**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. (Lab fee required.)

**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. (Lab fee required.)

**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. (Lab fee required.)

**1198 Intermediate Relaxation/Fitness**

Prerequisite(s): HP 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. (Lab fee required.)

**1199 Advanced Relaxation/Fitness**

Prerequisite(s): HP 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. (Lab fee required.)

**REQUIRED COURSES MAJOR****1101 Theory and Practice in Gymnastics**

Prerequisite(s): Departmental consent required.

An introductory skill course beginning with educational gymnastics and progressing to Olympic gymnastics. (Lab fee required.)

**1102 Theory and Practice in Track and Field**

Prerequisite(s): Department consent required.

An introductory skill course in track and field meeting during the spring semester of the freshman year. (Lab fee required.)

**1103 Theory and Practice in Dance**

Prerequisite(s): Departmental consent required.

A comprehensive skills course in the fundamentals of dance. Included are folk, aerobic, and modern dance skills. (Lab fee required.)

**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**

Prerequisite(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.



**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. (Lab fee required.)

**1202 First Aid (Cross-listed as RLS 1202)**

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. (Lab fee required.)

**1233 Red Cross Water Safety (Cross-listed as RLS 1233)**

Prerequisite(s): Departmental approval required.

The most advanced aquatic course offered for certification by the American Red Cross. Prerequisites include prior certification in CPR and either Emergency Water Safety or Life Guarding. This course includes a review of swimming and lifesaving skills, analysis and remediation of stroke mechanics, lesson planning, classroom management, and teaching technique for the aquatic environment. (Lab fee required.)

**1236 Dance Choreography**

Prerequisite(s): A minimum grade of C in HP 1103 or 1106 or consent of instructor.

See required courses for the major.

**1310 Fundamentals of Athletic Training**

Prerequisite(s): Athletic Training majors only.

Students are introduced to the athletic training program. They also learn several basic skills applications, including modalities, assistive devices, spine boarding, wound care, splinting, protective/sports equipment fitting, and CPR-Professional Rescuer. Students must complete a minimum of 50 clinical observation hours under direct supervision of clinical instructors.

**1320 Athletic Injury Care**

Prerequisite(s): Athletic Training majors only.

Students continue to learn about the athletic training profession. They are taught basic principles in the prevention, evaluation, and care of athletic injuries. Students also learn taping, wrapping, and bracing. Students must complete a minimum of 50 clinical observation hours under direct supervision of clinical instructors.

**1420 Human Anatomy**

Prerequisite(s): Bachelor of Science in Education (BSED) degree students 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. (Lab fee required.)

**1421 Introduction to Human Physiology**

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.

**2102 Fitness Concepts and Testing Procedures**

The acquisition of essential skills and knowledge in fitness education that lead to excellent physical conditioning and the ability to administer a variety of fitness tests. Students must demonstrate specified levels of physical fitness to complete the course. (Lab fee required.)

**2140 Injury Assessment: Lower Extremity Laboratory**

Co-requisite(s): HP 2340.

Prerequisite(s): HP 1320 and 1420; or equivalent.

This lab provides the student with the skills used to evaluate injuries and special problems of the lower extremity and spine. It is concurrent with HP 2340.

**2142 Injury Assessment: Upper Extremity Laboratory**

Co-requisite(s): HP 2342.

Prerequisite(s): HP 2140 and 2340.

This lab provides the student with the skills used to evaluate injuries and special problems of the upper extremity, head, and neck. It is concurrent with HP 2342.

**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. (Lab fee required.)

**2306 Anatomical Kinesiology**

Prerequisite(s): A minimum grade of C in HP 1420.

A course designed to develop an understanding of human movement through the study of neuromuscular control, anatomical structures, and mechanical principles.

**2307 Biomechanics**

An overview of the principles and methods of analyzing human movement from a mechanical and quantitative perspective. Lab fee required.

**2309 Medical Conditions and Pharmacology**

Prerequisite(s): HP 1420 and 1421.

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.

**2310 Clinical Education I**

Prerequisite(s): Admission into the AT Education Program.

Students will be assessed on psychomotor skills learned from the previous semesters. They will also be assigned to clinical education rotations under the direct supervision of a clinical instructor. Students must complete a minimum of 200 clinical education hours.

**2320 Clinical Education II**

Prerequisite(s): HP 2310.

Students are assessed on psychomotor skills learned from the previous semesters. They are also assigned to clinical education rotations under the direct supervision of a clinical instructor. Students must complete a minimum of 220 clinical education hours.

**2340 Orthopedic Assessment of the Lower Extremity**

Co-requisite(s): HP 2140.

Prerequisite(s): HP 1320 and 1420; and Athletic Training majors only.

This course is designed to develop knowledge and skills related to the assessment and appropriate medical referral of orthopedic injuries to the lower extremity, torso and lumbar spine.

**2341 Prevention and Care of Athletic Injuries**

Prerequisite(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. (Lab fee required.)

**2342 Injury Assessment: Upper Extremity**

Co-requisite(s): HP 2142.

Prerequisite(s): HP 2140 and 2340.

This course provides the student with information and skills used to evaluate injuries and special problems of the upper extremity, head, and neck. Students will acquire a basic understanding

and skills in palpation methods, manual muscle tests, neurological tests, and special tests. In addition, students will learn pathological and etiological information for a variety of athletic injuries, and observe surgeries.

**2409 Emergency Medical Technician - Basic**

Prerequisite(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. (Lab fee required.)

**2420 Exercise Physiology**

Prerequisite(s): A minimum grade of C in HP 1420.

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. (Lab fee required.)

**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. (Lab fee required.)

**3141 Therapeutic Exercise Laboratory**

Co-requisite(s): HP 3341.

Prerequisite(s): HP 3342.

This is a laboratory for instruction of psychomotor skills to accompany and be taken concurrently with HP 3341, Rehabilitation and Therapeutic Exercise.

**3142 Therapeutic Modalities Laboratory**

Co-requisite(s): HP 3342.

This is a laboratory for instruction of psychomotor skills to accompany and be taken concurrently with HP 3342 (Therapeutic Modalities).

**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. (Lab fee required.)

**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 (Lab fee required.)

**3302 Pedagogy of Dance**

Prerequisite(s): HP 1118 and 1148; or HP 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.

**3310 Clinical Education III**

Prerequisite(s): HP 2320.

Students will be assessed on psychomotor skills learned from the previous semesters. They will also be assigned to clinical education rotations under the direct supervision of a clinical instructor. Students must complete a minimum of 200 clinical education hours.

**3311 Essentials of Ethics in Healthcare (Cross-listed as HED 3311)**

Prerequisite(s): REL 1310 and REL 1350.

This course presents students with the opportunity to explore current healthcare ethical dilemmas,

consider bias, and participate in the formulation of Christian responses in difficult healthcare situations. REL 1310 The Christian Scriptures and REL 1350 The Christian Heritage are prerequisites.

### **3320 Fundamentals of Exercise Biochemistry**

Prerequisite(s): Upper-level standing.

An overview of biochemistry and metabolism related to exercise, training adaptations, and nutrition. (Lab required.)

### **3321 Clinical Education IV**

Prerequisite(s): HP 3310.

Students are assessed on psychomotor skills learned from the previous semesters. They are also assigned to clinical education rotations under the direct supervision of a clinical instructor. Students must complete a minimum of 200 clinical education hours.

### **3330 Research Methods and Design in Exercise Science**

Prerequisite(s): Upper-level standing.

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.

### **3341 Therapeutic Exercise**

Co-requisite(s): HP 3141.

Prerequisite(s): HP 3342.

A study of clinical sports therapy techniques used in the rehabilitation and reconditioning of injuries to athletes and other active populations. To be taken concurrently with HP 3141.

### **3342 Therapeutic Modalities**

Co-requisite(s): HP 3142.

Prerequisite(s): HP 2342.

A detailed course in modern therapeutic devices used in the treatment and rehabilitation of athletic injuries.

### **3343 Administration in Sports Medicine**

Prerequisite(s): Athletic training majors only.

Students will learn various issues, policies, and procedures involved in administration of sports medicine settings. This includes leadership theories, facility design, personnel management, legal issues, equipment, budget, record keeping, healthcare services, and public relations.

### **3346 Elementary School Human Performance**

A course especially designed to meet the elementary school certification requirements of the Texas Education Agency. The course deals primarily with subject matter and materials used in human performance for the public schools.

### **3368 Adapted Human Performance (Cross-listed as EDP 3370)**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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)**

Prerequisite(s): Junior level standing; RLS 3382 for RLS 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.

**3V79 Seminar in HHPR****4301 Choreography and Production**

Prerequisite(s): HP 1118 and 1148; or HP 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.

**4310 Clinical Education V**

Prerequisite(s): HP 3321.

Students will be assessed on psychomotor skills learned from the previous semesters. They will also be assigned to clinical education rotations under the direct supervision of a clinical instructor. Students must complete a minimum of 225 clinical education hours.

**4320 Clinical Education VI**

Prerequisite(s): HP 4310.

Students are assessed on psychomotor skills learned from the previous semesters. They are also assigned to clinical education rotations under the direct supervision of a clinical instructor. Students must complete a minimum of 225 clinical education hours.

**4350 Principles of Health Fitness Instruction**

Prerequisite(s): HP 2420 and upper-level standing.

An introduction to the principles of health fitness assessment, exercise prescription/programming, and methods of instruction for apparently healthy populations. (Lab fee required.)

**4352 Exercise and Sport Nutrition**

Prerequisite(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**

Prerequisite(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.

**4363 Philosophy, Principles, and Administration of Human Performance (Cross-listed as EDA 4363)**

Prerequisite(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.

**4367 Professional Development in Athletic Training**

Prerequisite(s): Taken during last semester in ATEP.

In this course students prepare for the BOC and LAT exams by reviewing comprehensive materials pertaining to each athletic training domain and taking mock practice exams. Students also learn and discuss issues related to professional development, employment, and other current topics.

**4368 Motor Learning and Development**

Prerequisite(s): Upper level standing.

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**

Prerequisite(s): Upper-level standing.

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**

Prerequisite(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.

**4371 Clinical Exercise Physiology**

Prerequisite(s): HP 2420, 4350 and upper-level standing; or consent of instructor.

An introduction to the theoretical and functional techniques of graded exercise testing for functional and/or diagnostic assessment. Topics to be covered include an overview of cardiopulmonary physiology, guidelines of exercise testing, electrocardiography, metabolic exercise assessment, and developing exercise prescriptions from ECG and cardiopulmonary exercise tests. (Lab fee required.)

**4372 Sociology of Sport (Cross-listed as SOC 4311)**

Prerequisite(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 Programming for Individuals with Chronic Diseases and Disabilities**

Prerequisite(s): HP 2420, 4350, 4371; and upper-level standing; or consent of instructor.

A study of the pathophysiology of common diseases with the concentration in the design, implementation and administration of a multidimensional therapeutic rehabilitation program. Emphasis will be given to developing exercise programs for individuals with chronic diseases and disabilities.

**4384 Qualitative Analysis of Human Movement**

Prerequisite(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)**

Prerequisite(s): Upper level standing.

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.

**4V79 Internship in Human Performance****1 to 6 sem. hrs.**

Prerequisite(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.

**INDONESIAN (IND)****2310 Intermediate Indonesian****2320 Intermediate Indonesian****INTERNATIONAL BUSINESS (INB)****3305 Global Business**

Prerequisite(s): Junior standing.

An introductory survey for all majors of how companies and nations operate in the global economy. Topics include global business strategy, analysis of regional economies, currency exchanges, cross-border operations, global business institutions, and global business ethics. Current events are stressed.

**3330 Economic Geography (Cross-listed as ECO 3330 and GEOG 3330)**

See ECO 3330 for course information.

**3332 Business in the Global Economy**

Prerequisite(s): ECO 1305, or a minimum grade of C in ECO 2306 and 2307, and junior standing.

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**

Prerequisite(s): Junior standing.

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.

**4332 Economic Problems of Latin America (Cross-listed as ECO 4332)**

See ECO 4332 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**

Prerequisite(s): Sophomore standing or above; not open to pre-business students.

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.

**4341 African Economic Development (Cross-listed as ECO 4331)**

See ECO 4331 for course information.

**4378 International Accounting (Cross-listed as ACC 4378)**

See ACC 4378 for course information.

**4398 Special Studies in International Business**

Prerequisite(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.**

Prerequisite(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)****1401 Elementary Italian**

**TCCNS: ITAL 1411**

Introduction to the Italian language and culture: pronunciation, grammar, reading of simple texts and conversation.

**1402 Elementary Italian**

**TCCNS: ITAL 1412**

Prerequisite(s): ITA 1401 or two units of high school Italian.

Continuation of ITA 1401.

**2310 Intermediate Italian**

Prerequisite(s): ITA 1401 and 1402 or three units of high school Italian.

Conversation, composition, cultural readings, and grammar review.



**2320 Intermediate Italian**

Prerequisite(s): ITA 1401, 1402, and 2310 or four units of high school Italian.

Continuation of ITA 2310.

**3301 Advanced Italian Grammar**

Prerequisite(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**

Prerequisite(s): ITA 2320 or consent of instructor.

Development of communication skills through the study of Italian civilization, culture, and selected works of literature.

**3310 Introduction to Italian Literature**

Prerequisite(s): ITA 2320 (or equivalent) or consent of instructor.

Introduction to Italian literature through the study of selected works.

**3330 Italian Through Film**

Prerequisite(s): ITA 2320 (or equivalent) or consent of instructor.

Development of communication skills through viewing and discussing Italian movies.

**3342 Giro d'Italia: Regions of Italy**

Prerequisite(s): ITA 2320 or consent of instructor.

The geographic, historical, cultural, and economic aspects of Italy's regions.

**3V70 Special Problems**

**1 to 3 sem. hrs.**

Prerequisite(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.

**JAPANESE (JPN)****1401 Introductory Japanese**

Introduction to the Japanese language and culture: pronunciation, grammar, reading of simple texts and conversation.

**1402 Elementary Japanese**

Prerequisite(s): JPN 1401 or two units of high school Japanese.

Continuation of JPN 1401.

**2310 Intermediate Japanese**

Prerequisite(s): JPN 1401 and 1402 or three units of high school Japanese.

Conversation, composition, cultural readings, and grammar review.

**2312 Intermediate Japanese for Business**

Prerequisite(s): JPN 1401 and 1402 or three units of high school Japanese.

Introduction to Japanese 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 JPN 2310 and used in fulfillment of the foreign language requirement in the College of Arts and Sciences.

**2320 Intermediate Japanese**

Prerequisite(s): JPN 1401, 1402, and 2310 or four units of high school Japanese.

Continuation of JPN 2310.

**3301 Japanese Reading Development**

Prerequisite(s): Eleven semester hours of Japanese including JPN 2320 or consent of instructor.

Development of Japanese reading skills through grammar review and selected readings.

**3302 Japanese Reading Skills**

Prerequisite(s): JPN 3301 or equivalent.

Further development of reading skills through grammar review and selected readings, completing the introduction of the 1,850 ideographs required for reading general publications in Japanese language.

**3303 Japanese Conversation and Composition**

Prerequisite(s): JPN 2320.

Further development of communication skills through conversation and composition.

**3304 Japanese Civilization**

Prerequisite(s): JPN 3301, 3302, or 3303.

Japanese history and culture in the target language.

**3V70 Special Topics in Japanese**

Prerequisite(s): Consent of instructor.

Special topics in Japanese language, literature, and culture. With content changed, may be repeated for a total of 6 hours.

**JOURNALISM (JOU)****1303 Introduction to Mass Communication (Cross-listed as FDM 1303)**

See FDM 1303 for course information.

**2303 Reporting and Writing for Media**

Information gathering and writing for the mass media.

**3310 Sportswriting**

Historical and multi-media perspective on sports reporting through lectures and reporting assignments covering intercollegiate athletic competition.

**3315 Electronic News Reporting (Cross-listed as FDM 3315)**

Prerequisite(s): For Journalism majors, JOU 2303; for Film and Digital Media or Communication Specialist majors: FDM 3372.

Theory and practice of covering and reporting news stories for the electronic media news programs.

**3320 Advertising Procedures (Cross-listed as MKT 3320)**

See MKT 3320 for course information.

**3321 Advertising Copywriting**

Prerequisite(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.

**3322 Advanced Advertising Development**

Prerequisite(s): JOU 3321.

Continued development of advertising materials, including strategic planning, budgeting and media allocation, testing and evaluation.

**3325 Editing**

Prerequisite(s): JOU 2303 or JOU 3372.

The role of editor in selecting news for dissemination to the public, editing the news story, writing the headline, and designing pages.

**3355 Media Photography I: Introduction**

Prerequisite(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.

**3356 Media Photography II: Photojournalism**

Prerequisite(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.

**3357 Advanced Photography**

Prerequisite(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.

**3358 Video Journalism**

Prerequisite(s): JOU 3355.

Introduction to video journalism with emphasis on pre-production, camera handling, editing and video storytelling.

**3361 School Publications Supervision**

Planning and supervising the communication functions in public schools, including school newspapers, yearbooks, and school public relations. Writing (story development), advertising, and budgeting for publications. Designed for secondary education students who may serve as advisers of high school publications.

**3366 Public Relations for Non-Profit Organizations**

Prerequisite(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.

**3367 Public Relations**

Prerequisite(s): JOU 2303 or JOU 3372 or consent of instructor.

Professional communication principles applied in contemporary public relations concepts. Theory, history, and practice of public relations, including evaluation of public opinion, and the planning, implementing, and evaluating of public relations programs. Designed for students with journalism backgrounds.

**3369 Media Design**

Prerequisite(s): Sophomore standing.

Introduction to graphic design in a media setting. Students work with Adobe InDesign, Photoshop and Illustrator software.

**3370 Public Relations Agency**

Prerequisite(s): JOU 2303 or 3372; and JOU 3367.

Application of public relations principles in an agency setting.

**3372 Writing for Media Markets (Cross-listed as FDM 3372)**

Prerequisite(s): Upper-level standing or consent of instructor. Specialized writing for media markets, including public relations releases, brochures, news reports, and speeches.

**3374 Public Relations Writing**

Prerequisite(s): JOU 2303.

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**

Prerequisite(s): JOU 2303.

Experience in news gathering and writing with emphasis on relationships with professional news sources. Lariat laboratory included.

**3376 History of American Journalism (Cross-listed as AMS 3376)**

Prerequisite(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**

Prerequisite(s): JOU 2303.

Fundamentals of writing informative and persuasive editorials and in writing appealing newspaper columns.

**3387 International Communication**

Prerequisite(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**

Prerequisite(s): JOU 2303, 3325, and 3375.

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.

**3391 News Internship**

Prerequisite(s): JOU 2303 or 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**

Prerequisite(s): JOU 3355 or 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**

Prerequisite(s): JOU 2303 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**

Prerequisite(s): JOU 2303 and consent of instructor.

Open to journalism majors on approved internships in advertising.

**3395 Public Relations Internship**

Prerequisite(s): JOU 2303 and 3367 or consent of instructor.

Open to journalism majors on approved internships in public relations.

**3397 Advanced Magazine Editing**

Prerequisite(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.

**4310 Media Management**

Prerequisite(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.

**4320 Advertising Management**

Prerequisite(s): JOU 3322.

Structures and procedures for effectively managing advertising production and functions within media and agency environments.

**4325 Advanced Editing**

Prerequisite(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.

**4330 News Media and American Society**

Prerequisite(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**

Prerequisite(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.

**4350 Mass Media and Popular Culture**

Prerequisite(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 (Cross-listed as AMS 4359)**

Prerequisite(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 (Cross-listed as AMS 4360)**

Prerequisite(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.

**4368 Advanced Public Relations**

Prerequisite(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.

**4371 Public Relations Media Programming**

Prerequisite(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**

Prerequisite(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.

**4398 Public Affairs Reporting**

Prerequisite(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 (Cross-listed as AMS 4669)**

Prerequisite(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.

**4V80 Radford Seminar**

**1 to 6 sem. hrs.**

Prerequisite(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.**

Prerequisite(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.

**KOREAN (KOR)****1401 Elementary Korean**

Introduction to Korean language and culture; pronunciation, grammar, conversation, and reading of simple texts.

**1402 Elementary Korean**

Prerequisite(s): KOR 1401 or two years of high school Korean.

A continuation of KOR 1401.

**2310 Intermediate Korean**

Prerequisite(s): KOR 1401 and 1402 or three years of high school Korean.

Conversation, composition, cultural readings, and grammar review.

**2320 Intermediate Korean**

Prerequisite(s): KOR 1401, 1402, and 2310 or four years of high school Korean.

A continuation of KOR 2310.

## **LATIN (LAT)**

### **1301 Elementary Latin**

**TCCNS: LATI 1311**

The basic elements of classical Latin grammar and Roman culture, with readings emphasizing ethics, history, morality, philosophy, and mythology.

### **1302 Elementary Latin**

**TCCNS: LATI 1312**

Prerequisite(s): LAT 1301 or two units of high school Latin.

Continuation of LAT 1301.

### **1401 Beginning Latin**

Prerequisite(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**

Prerequisite(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.

### **2310 Intermediate Latin**

Prerequisite(s): LAT 1302 or three units of high school Latin, or by petition.

Selections from Latin prose authors, such as Cicero; review of inflection and syntax.

### **2315 Intermediate Latin**

Prerequisite(s): LAT 1302 or three units of high school Latin.

Selections from Julius Caesar; review of inflection and syntax.

### **2320 Intermediate Latin**

Prerequisite(s): LAT 2310.

Selections from Latin poets, such as Virgil and Catullus; review of inflection and syntax.

### **2401 Intermediate Latin (Prose)**

Prerequisite(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)**

Prerequisite(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.

### **3301 Lucretius**

Prerequisite(s): Two 3000 level courses in Latin or consent of instructor.

Selections from the *De Rerum Natura*.

### **3302 Livy**

Prerequisite(s): LAT 2310 and 2320 or equivalent.

Selections from the Roman historian Livy.

### **3303 Tacitus**

Prerequisite(s): Two 3000 level courses in Latin or consent of instructor.

Selections from the Roman historian Tacitus.

**3304 Pliny and Martial**

Prerequisite(s): Two 3000 level courses in Latin or consent of instructor.  
Selections from the Letters and the Epigrams.

**3305 Cicero, Philosophical Writings**

Prerequisite(s): LAT 2310 and 2320 or consent of instructor.  
Selections from the philosophical writings of Cicero.

**3306 Sallust**

Prerequisite(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**

Prerequisite(s): LAT 2310 and 2320 or consent of instructor.  
Readings on the life and times of Gaius Julius Caesar.

**3308 Readings in Imperial Epic**

Prerequisite(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**

Prerequisite(s): LAT 2320 or consent of instructor.  
Study of Ovid's epic poem, Metamorphoses.

**3311 Epistles and Epigraphy of Rome**

Prerequisite(s): LAT 2310 and 2320 or consent of instructor.  
Latin inscriptions and selected letters of Cicero, Seneca, and Pliny.

**3312 Augustine**

Prerequisite(s): LAT 2310, 2320 or 2401.  
Selected readings of St. Augustine.

**3350 Roman Drama: Senecan Tragedies**

Prerequisite(s): LAT 2320 or consent of instructor.  
Study of Seneca's tragedies, the Euripidean influence, and their impact on world theatre.

**3351 Roman Comedy**

Prerequisite(s): LAT 2310 and 2320 or equivalent.  
Selected plays of Plautus and Terence.

**3352 Roman Lyric and Elegy**

Prerequisite(s): LAT 2310 and 2320 or equivalent.  
Selections from the poetry of Catullus, Propertius, Tibullus, and Ovid.

**3353 Roman Satire**

Prerequisite(s): LAT 2310 and 2320 or equivalent.  
Selected satires of Horace and Juvenal.

**3354 Horace**

Prerequisite(s): LAT 2320 or consent of instructor.  
Selections from the poetry of Horace.

**3390 Medieval Latin Prose**

Prerequisite(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**

Prerequisite(s): LAT 3390 or consent of instructor.

Selections from representative poetic styles and poets; authors may include St. Columba, Fortunatus, Paulus Diaconus, Reinardus Vulpes, Walter Map, Hrotsvitha of Gandersheim, and Guilielmus Gnapheus; review of inflection and syntax.

**3396 Classical and Medieval Drama: Terence and Hrotsvitha of Gandersheim**

Prerequisite(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**

Prerequisite(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.

**4308 Latin Language Seminar**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): LAT 2310 and 2320; or consent of instructor.

Readings in Latin on the life and times of the Roman emperor Augustus.

**4312 Statius in Medieval and Renaissance Latin Epic**

Prerequisite(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.**

Prerequisite(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.

**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 Vocation Specific Leadership**

Prerequisite(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.

**3V01 Special Topics in Leadership**

**1 to 3 sem. hrs.**

Prerequisite(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 3 credit hours.

**4398 Advanced Leadership**

Prerequisite(s): CSS 3101 or LDS 1301.

Independent study under the direct supervision of a department faculty member. Approval required prior to registration.

**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.

**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.

## LINGUISTICS (LING)

### **3310 Introduction to Language and 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 Language in Society (Cross-listed as ENG 3305)**

Prerequisite(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.

### **4302 Semantics and Pragmatics**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): LING/ENG/ANT 3310 or SPA 3309.

Principles and methods for studying sound systems of languages.

### **4311 Special Topics in Linguistics**

Prerequisite(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**

Prerequisite(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.

### **4316 Cross-Cultural Linguistics**

Prerequisite(s): LING 3310, ENG 3310, ANT 3310 or SPA 3309 or consent of instructor.

Language and languages as functions and products of a culture, techniques necessary for comparing sound systems, syntactical and grammatical structures, vocabulary systems and writing systems.

**4318 Applied Linguistics: Second Language Acquisition**

Prerequisite(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)**

Prerequisite(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.**

Prerequisite(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.

**MAASTRICT (MAA)****2V99 Studies in Maastricht**

Baylor European Studies Program in Maastricht, The Netherlands.

**MANAGEMENT (MGT)****3305 Organizational Behavior**

Prerequisite(s): Junior standing.

This course provides an introduction to the managerial process 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 philosophy, employee motivation, job satisfaction, managerial effectiveness, leadership, group dynamics, managerial communication, time management, organizational politics, conflict management, creativity and risk taking, and career planning and management.

**3320 Distribution Management**

Prerequisite(s): QBA 2302.

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**

Prerequisite(s): A minimum grade of C in QBA 2305.

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.

**4305 Principled Leadership**

Prerequisite(s): MGT 3305; not open to pre-business students.

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. Moreover, students will be involved in helping the Waco community through applying their personal and business skills in Students in Free Enterprise service learning projects.

**4320 Negotiating and Conflict Resolution**

Prerequisite(s): MGT 3305; not open to pre-business students.

Enhances individual effectiveness in the workplace through the provision of an advanced understanding of negotiating through the development of specific negotiating skills. Discussions and skill-building exercises in the class are focused broadly and include informal and formal negotiations between multiple departments, and so on. Because effective negotiating is fundamental to an individual's survival and prosperity within an organization, knowledge of negotiating concepts and development of negotiation skills are critical.

**4330 Project Management (Cross-listed as MIS 4330)**

Prerequisite(s): A minimum grade of C in MIS 1305 (or equivalent competencies); and MGT 3325; not open to pre-business students.

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).

**4333 Procurement and Materials Management**

Prerequisite(s): MGT 3325 or concurrent enrollment; not open to pre-business students.

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.

**4336 Personnel/Human Resource Management**

Prerequisite(s): MGT 3305; not open to pre-business students.

A study of the human resource management profession. Specific personnel functions to be studied include recruitment, selection, training and development, compensation, discipline, and equal employment opportunity laws and cases. Emphasis throughout is the personnel manager's role in organizational effectiveness.

**4337 Human Resource Staffing and Employee Relations**

Prerequisite(s): MGT 3305; not open to pre-business students.

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**

Prerequisite(s): MGT 3305; not open to pre-business students.

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**

Prerequisite(s): MGT 3325; not open to pre-business students.

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.

**4353 Social Entrepreneurship and Economic Development (Cross-listed as ENT 4353)**

Prerequisite(s): MGT 3305; 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**

Prerequisite(s): MGT 3325; not open to pre-business students.

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**

Prerequisite(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.

**4396 Distribution Management and Technology Internship**

Prerequisite(s): MGT 3320, 3325; and MGT 4333 with grade C or better; Distribution Management and Technology majors only. Not open to pre-business students.

Internship in distribution 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**

Prerequisite(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)

### 1305 Introduction to Information Technology and Processing

A first-level computer course covering business management tools for using the personal computer in the modern business workplace. Emphasis will be placed on using the computer as a problem-solving tool using software such as spreadsheets and database development/manipulation. Other topics will include the use of the Internet as a research tool, issues of security, privacy and ethics in networks, and development of web pages.

### 3150 Topics in Information Systems

Prerequisite(s): A minimum grade of C in MIS 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

Prerequisite(s): Credit or concurrent enrollment in MIS 3305, and a minimum grade of C in QBA 2305.

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

Prerequisite(s): A minimum grade of C in QBA 2302 or a minimum grade of C in STA 1380.

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.

### 3320 Systems Analysis and Design

Prerequisite(s): MIS 3301 or concurrent enrollment; credit or concurrent enrollment in MIS 3305, and a minimum grade of C in QBA 2305.

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.

### 3325 Business Applications on Microcomputers

Prerequisite(s): A minimum grade of C in MIS 1305 (or required competencies) and a minimum grade of C in ACC 2303.

Topics include the use of microcomputers within both a business and a personal context, including purchasing a computer, installing software, and using a computer for personal decision support. Assignments reinforce the application of computers to home and business functions; examples include advanced word processing, spreadsheet and database, modeling computer graphics, finance, accounting, and the Internet.

### 3330 Electronic Commerce Development and Analysis

Prerequisite(s): MIS 3305.

This course seeks to tie together the technologies of networking, hardware and software as enablers of Electronic Commerce in a rapidly changing digital world that is moving beyond traditional EDI business to true Internet Commerce. Emphasis is on how Electronic Commerce is transforming the way individual companies compete and increased need to understand how networks of complementary enterprises are created, implemented, maintained and enhanced as technology and capability change.

**3332 Control and Audit of Information Systems (Cross-listed as ACC 3331)**

Prerequisite(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.

**3335 Introduction to Performance Improvement Technologies**

Prerequisite(s): A minimum grade of C in MIS 1305; or CSI 1301.

Systems approach to performance improvement technologies in business and industry with an emphasis on expanding use of computer-based instructional technologies to automate and informate assessment, training, and evaluation processes.

**3340 Multimedia Authoring of Performance Improvement Software**

Prerequisite(s): A minimum grade of C in MIS 1305 or an equivalent course.

Tools, techniques and guidelines necessary to facilitate the planning, design, production, and implementation of multimedia products for workplace training. Topics include instructional design, interaction theories, and appropriate use of text, graphics, sound, color, animation, feedback, feed forward, and branching techniques.

**3341 Developing Client Server Applications**

Prerequisite(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.

**3345 Introduction to Enterprise Systems Using SAP**

Prerequisite(s): A minimum grade of C in MIS 3305.

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.

**3350 Introduction to Data Management and CRM**

Prerequisite(s): Students should have taken MIS 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.

**4320 Java Development**

Prerequisite(s): Grades of C or better in MIS 3301 and 3320; not open to pre-business students.

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**

Prerequisite(s): Grades of C or better in both MIS 3301 and 3320; not open to pre-business students.

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.

**4330 Project Management (Cross-listed as MGT 4330)**

See MGT 4330 for course information.



**4340 Foundations of Database System Development**

Prerequisite(s): Grades of C or better in both MIS 3301 and 3320; not open to pre-business students.

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 Advanced Business Networking**

Prerequisite(s): Grades of C or better in both MIS 3301 and 3320; not open to pre-business students.

Design, construction, and maintenance of local and wide area networks. Topics include using Internet and intranet clients, servers and languages to support electronic commerce, organizational communication, team collaboration, and business education.

**4343 Advanced Database Management**

Prerequisite(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**

Prerequisite(s): QBA 2302.

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**

Prerequisite(s): MIS 4340 or consent of instructor.

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**

Prerequisite(s): MIS 4342 or its equivalent.

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.

**4355 Decision Making Using Excel**

Prerequisite(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.

**4V98 Special Studies in Information Systems**

**1 to 6 sem. hrs.**

Prerequisite(s): Consent of instructor; not open to pre-business students.

This course may be taken for one to six semester hours of credit.

## MARKETING (MKT)

### 3305 Principles of Marketing

Prerequisite(s): Junior standing.

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

This course is organized around the ethical process of making informative and persuasive verbal presentations. Topics include presentation materials and formats, handling objections, reaching decisions, and servicing customers. The development of such skills is useful to any member of an organization who makes a presentation. Case study, videotaped role playing, professional speakers, and group interactions project the student into the real world of the business person and salesperson. A student may receive credit for MKT 3310 or MKT 3342, but not both.

### 3320 Advertising Procedures (Cross-listed as JOU 3320)

Prerequisite(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

Prerequisite(s): MKT 3305.

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

Prerequisite(s): MKT 3305 and a minimum grade of C in QBA 2305.

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.

### 3335 Services Marketing

Prerequisite(s): MKT 3305.

An examination of the process through which services are marketed with special attention to problems faced by financial and professional service firms. Lecture and case discussions are used to address the needs of service firms and their opportunities.

### 3340 Nonprofit Marketing

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 Ethics of Sports

Prerequisite(s): Minimum grade of C in MKT 3305.

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.

**3342 Professional Selling & Communication for Sports I**

Prerequisite(s): Sophomore or upper-level standing.

Specifically designed with a focus on professional selling and communication processes successful in the realm of sports products and services. Topics include presentation methods, persuasion, handling objections, finding solutions, developing relationships, and serving clients and customers. Case study, videotaped role playing, and professional interaction are key learning words. May receive credit for MKT 3310 or MKT 3342, but not both.

**3343 Sport Promotion and Sales Management**

Prerequisite(s): Consent of department chair.

The study and application of sport promotion and sales. Includes gaining an understanding of incentives, indirect and direct promotion tools, sales techniques, advertising, media content, sponsorships, licensing, community relations, and venue atmospherics as integrated components of sport promotion.

**3395 Baylor in Nashville**

Prerequisite(s): Junior standing; Marketing major in the Music & Entertainment Marketing Career Track or minor in Performing Arts Marketing & Audience Development or consent of instructor.

This course culminates with students spending two weeks in Nashville during the second half of May each year. Students begin with textbook and project preparation in the spring term and then immersion into the music industry in Nashville, engaging in learning activities and meetings onsite with executives and managers within the recording industry. Students learn the fundamental business processes that support the successful recording, publication, protection, and performance of music.

**4108 Music Marketing Lab**

Prerequisite(s): Senior standing as a marketing major in the Music & Entertainment Marketing Career Track; THEA 4107.

In cooperation with Student Life's Baylor Rising Artist Network (BRAN), students participate in marketing Uproar Records ([www.uproarrecords.com](http://www.uproarrecords.com)). Students obtain hands-on experience in evaluating, selecting, producing, recording, and marketing performing artists. Must be a marketing major in the Music & Entertainment Marketing career track with senior standing.

**4199 Professional Selling Internship**

Prerequisite(s): MKT 3310 and consent of instructor.

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**

Prerequisite(s): MKT 3305.

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, video taped role playing and professional speakers enhance the learning process.

**4311 Professional Selling and Communications II**

Prerequisite(s): MKT 3310; not open to pre-business students.

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.

**4312 Sales Executive Management**

Prerequisite(s): MKT 3305, 3310, 4310 and 4311; not open to pre-business students.

This class addresses such topics as customer relationship management, the appropriate go-to-market strategies (i.e. the various sales processes that are used for different categories of customers), territory design and deployment, sales training and education, compensation plans, change management, and the sales force in the boardroom. The topic of ethics is integrated throughout the class. Case study, videotaped role playing and professional speakers assist the students in developing relevant skills.

**4315 Retail Store Management**

Prerequisite(s): MKT 3305; not open to pre-business students.

Considers architecture of the store, layout, buying, pricing, display, sales promotion, stock control, and consumer services in general.

**4320 Marketing Channels**

Prerequisite(s): MKT 3305.

This course focuses on the definitions, dimensions, and management of marketing channels representing the various companies involved in bringing products and services from their point of origin to consumption. Representing the company's routes to market, marketing channels are viewed as an interorganizational system involved in the task of making products and services available for consumption. The main emphasis of this course is on the initial design of such systems, and the on-going management of relationships between system participants. The course is organized around three key modules: understanding the nature of marketing channels, managing channel relationships, and examining major types of channel institutions.

**4321 Advertising Campaigns**

Prerequisite(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**

Prerequisite(s): MKT 3305; not open to pre-business students.

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)**

Prerequisite(s): MKT 3305; not open to pre-business students.

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**

Prerequisite(s): MKT 3305, nine hours of additional marketing courses, and a minimum grade of C in ACC 2303 and 2304; and FIN 3310; not open to pre-business 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**

Prerequisite(s): MKT 3325 and MKT 3330.

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**

Prerequisite(s): MKT 3342; not open to pre-business 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.

**4342 Sports Venue and Event Marketing**

Prerequisite(s): Consent of department chair and senior standing; not open to pre-business students.

Instills the training and skills required to research, plan, schedule, organize, and market sporting events and sports venues. Provides logistics and the theoretical understanding needed to understand customers and effectively manage sporting events and facilities. Includes instruction related to managing vendor contracts, event promotion, and event management technology.

**4343 Customer Relationship Management and Sports Marketing**

Prerequisite(s): MKT 3343 or consent of instructor.

An examination of the theory and practice of customer relationship management as applied to sports organizations and their sponsors/partners. The course integrates relationship marketing, statistics, and informational technology, specifically covering topics such as experimental design and campaign management, information technology and multi-channel marketing, and contact center management.

**4350 Internet Marketing Strategies**

Prerequisite(s): A minimum grade of C in MIS 1305; and MKT 3305; and either MKT 3320 or 3325; not open to pre-business students.

As the Internet becomes an increasingly important tool for marketing products locally and globally, business people will need to understand how to use this tool to their competitive advantage. This course focuses on developing and implementing strategies for successfully marketing goods and services on the Internet.

**4395 Music and Entertainment Marketing Internship**

Prerequisite(s): Junior standing; Marketing major in the Music & Entertainment Marketing Career Track, minor in Performing Arts Marketing & Audience Development, or consent of instructor.

Internships in music & entertainment marketing are completed with organizations within the music, film, or theatre industry. Internships must involve marketing and/or sales activities, rather than production, engineering, or other staff support activities. Internships may be arranged with organizations associated with the Music & Entertainment Marketing program or others with whom the student develops a relationship or contact. Additional information and requirements are available on the business school website ([www.baylor.edu/business/marketing/me](http://www.baylor.edu/business/marketing/me)).

**4396 Sports Marketing Internship I**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**4600 Consumer Analysis**

Prerequisite(s): MKT 3305, and a minimum grade of C in QBA 2305; not open to pre-business students.

Students will be provided a framework to analyze consumer behavior with respect to the implementation of marketing strategies. Integrating the study of how consumers think, feel, and behave with research analysis, students will learn the tools needed to formulate and structure marketing problems, recommend the marketing research that should be undertaken, appreciate what can and cannot be learned from marketing research, gather and analyze quantitative marketing data, and make effective decisions based on those data.

**MATHEMATICS (MTH)****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.

**1304 Pre-Calculus Mathematics****TCCNS: MATH 2312**

Satisfactory performance on a departmental placement examination. Basic concepts of college algebra, trigonometry, and elementary functions. Designed as preparation for MTH 1321; does not apply on the major. Each student entering the course will take a skills assessment exam.

**1308 Precalculus 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 1304.

**1309 Calculus for Business Students**

Prerequisite(s): A grade of C or better in MTH 1304 or MTH 1308 or a satisfactory performance on the SAT or the ACT.

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.

**1310 Introduction to Discrete Mathematics****TCCNS: MATH 2305**

Set theory, relations, functions, matrices, number systems, combinatorics, probability, and Boolean algebra. Does not apply toward the major.

**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.

**1316 Mathematics for Elementary Teachers II**

Prerequisite(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.

**1321 Calculus I**

Prerequisite(s): A grade of C or better in MTH 1304 or satisfactory performance on a departmental placement examination.

Differential calculus of a single variable. Introduction to the definite integral and the Fundamental Theorem of Calculus.

**1322 Calculus II**

Prerequisite(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****TCCNS: MATH 2318**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.**

Prerequisite(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.

**3312 Foundations of Combinatorics and Algebra**

Prerequisite(s): A grade of C or above in MTH 2311; or departmental consent required.

Introduction to combinatorics and algebra. Topics include elementary counting principles, fundamentals of set operations, functions, equivalence relations, fundamental properties of the integers, the ring of integers mod  $n$ , and algebraic structures. Careful mathematical exposition will be emphasized.

**3318 Data and Chance**

Prerequisite(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**

Prerequisite(s): A grade of C or above in MTH 2321 and 3312.

Rigorous treatment of calculus of a single variable, the real number system, limits, continuity, differentiation, and integration.

### **3324 Numerical Methods (Cross-listed as CSI 3324)**

See CSI 3324 for course information.

### **3325 Ordinary Differential Equations**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): Credit for twelve hours of mathematics courses, at least three hours of which are at the 2000 level or above. (This prerequisite cannot be satisfied using any hours transferred in under the generic titles MTH 1000 or MTH 2000.)

Designed for the prospective mathematics teacher seeking certification for grades 4-8 or 8-12. Use of technology to explore, communicate, and reinforce mathematical concepts and problem solving from several areas of mathematics. Attention given to graphing calculators, interactive geometry computer packages, computer-based algebra packages, and spreadsheets or statistical packages. Written and oral presentations. Does not apply toward the mathematics major.

### **3350 Structure of Modern Geometry**

Prerequisite(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.

### **3370 Mathematical Methods of Operations Research**

Prerequisite(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**

Prerequisite(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.**

Prerequisite(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.

### **4312 Cryptology**

Prerequisite(s): MTH 2311, and either MTH 3312 or CSI 2350; or consent of instructor.

Introduction to cryptology, the study of select codes and ciphers. Included is a historical content, a survey of modern crypto systems, and an exposition of the rule of mathematical topics such as number theory and elliptic curves in the subject. Mathematical software will be available.

### **4313 Number Theory**

Prerequisite(s): A grade of C or better in MTH 3312 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**

Prerequisite(s): A grade of C or above in MTH 3312 and a grade of C or above in MTH 4316, or consent of the 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**

Prerequisite(s): A grade of C or above in MTH 3312.

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)**

Prerequisite(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.

**4326 Advanced Calculus I**

Prerequisite(s): A grade of C or above in MTH 3323.

Sequences and series of functions, multiple integrals, improper multiple integrals, functions of several variables, extreme value problems, and implicit function theorems.

**4327 Advanced Calculus II**

Prerequisite(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)**

Prerequisite(s): A grade of C or above in MTH 2311 and 3324.

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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.**

Prerequisite(s): Consent of instructor.

Topics in contemporary mathematics not covered in other courses. May be repeated once for credit if content is different.

**MECHANICAL ENGINEERING (ME)****2320 Statics****TCCNS: ENGR 2301**

Prerequisite(s): MTH 1321 and a grade of B or higher in EGR 1302.

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****TCCNS: ENGR 2302**

Prerequisite(s): ME 2320 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**

Prerequisite(s): MTH 2321.

Thermodynamic properties, heat and work, first and second laws, processes, ideal and nonideal cycles. (3-0)

**3122 Materials and Manufacturing Processes Lab**

Prerequisite(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)

**3320 Strength of Materials**

Prerequisite(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)

**3321 Fluid Mechanics**

Prerequisite(s): ME 2345 and MTH 3326.

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)

**3322 Mechanical Engineering Materials and Manufacturing Processes**

Prerequisite(s): 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)

**3323 Machine Design**

Prerequisite(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)

**3345 Advanced Thermodynamics**

Prerequisite(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)

**4320 Computer-Aided Structural Analysis**

Prerequisite(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**

Prerequisite(s): EGR 3380.

Design and analysis of engineering components and systems using interactive computer programs with emphasis on computer simulation. (3-0)

**4323 Mechanical Vibrations**

Prerequisite(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**

Prerequisite(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)

**4327 Numerical Methods for Engineers**

Prerequisite(s): MTH 2311 and 3326.

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)

**4330 Introduction to Robotics (Cross-listed as ELC 4330)**

See ELC 4330 for course information.

**4335 Mechanical Engineering Laboratory**

Prerequisite(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)

**4336 Energy Systems Design**

Prerequisite(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)

**4344 Composite Materials**

Prerequisite(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**

Prerequisite(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)

**4346 Introduction to Aeronautics**

Prerequisite(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**

Prerequisite(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)

**4377 Solar Energy (Cross-listed as ELC 4377)**

See ELC 4377 for course information.

**4382 Selection of Materials and Manufacturing Processes in Design**

Prerequisite(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)

**4384 Engineering with Plastics**

Prerequisite(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**

Prerequisite(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.

**4396 Special Topics in Mechanical Engineering**

Prerequisite(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.**

Prerequisite(s): Consent of department chair.

Advanced topics and/or special project activities in Mechanical Engineering.

**MEDICAL HUMANITIES (MH)****1103 Nature of Healthcare Relationships (Cross-listed as PHP 1103)**

See PHP 1103 for course information.

**1106 Introduction to the Health Professions (Cross-listed as PHP 1106)**

See PHP 1106 for course information.

**1303 Freshman Academic Seminar: Medicine, Meaning, and the Patient/Physician Relationship (Cross-listed as FAS 1303)**

See FAS 1303 for course information.

**1307 Critical Thinking (Cross-listed as PHI 1307)**

See PHI 1307 for course information.

**2101 Foundations of Medical Research (Cross-listed as PHP 2101)**

See PHP 2101 for course information.

**2102 Medical Research Internship (Cross-listed as PHP 2102)**

See PHP 2102 for course information.

**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.)

**3300 Visual Arts and Healing**

Prerequisite(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.

**3345 World Religions (Cross-listed as AST 3345 and REL 3345)**

See REL 3345 for course information.

**4300 History of Medicine (Cross-listed as HIS 4300 and PHI 4300)**

Prerequisite(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.

**4310 Death and Dying (Cross-listed as SOC 4310 and SWO 4310)**

See SOC 4310 for course information.

**4312 Behavioral Medicine (Cross-listed as NSC 4312 and PSY 4312)**

See NSC 4312 for course information.

**4325 Literary and Philosophical Perspectives on Medicine (Cross-listed as PHI 4325)**

See PHI 4325 for course information.

**4350 Economics of Health and Medical Care (Cross-listed as ECO 4350)**

See ECO 4350 for course information.

**4351 Supervised Clinical Medicine**

Prerequisite(s): Departmental approval required.

Supervised weekly clinical service through various medical fields complemented by weekly seminar sessions.

**4363 Philosophy and Medicine (Cross-listed as PHI 4363)**

See PHI 4363 for course information.

**4395 Bioethics (Cross-listed as REL 4395)**

See REL 4395 for course information.

**MIDDLE EAST STUDIES (MES)****2301 Introduction to the Middle East (Cross-listed as GEOG 2301)**

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)**

See REL 3V00 for course information.

**4378 Religion & Politics in the Middle East (Cross-listed as CHS 4378)**

See CHS 4378 for course information.

**4V01 Readings in Mid-East Studies****1 to 3 sem. hrs.**

Prerequisite(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****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.

Prerequisite(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.

Prerequisite(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.

Prerequisite(s): MILS 2201 or consent of department chair.

Principles of positive and assertive military leadership, addressed through leadership assessment training and student classroom presentations.

**PROFESSIONAL OFFICER COURSE****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.

Prerequisite(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.

Prerequisite(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.

Prerequisite(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.

**MODERN FOREIGN LANGUAGES (MFL)****1V99 Special Studies in a Foreign Language****1 to 4 sem. hrs.**

Prerequisite(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.**

Prerequisite(s): Consent of department.

Study of a foreign language at the intermediate level. May be repeated for a maximum total of six semester hours.

**3300 Perspectives of Literature in Translation (Cross-listed as UST 3300)**

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.**

Prerequisite(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**

Prerequisite(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 Collections Management**

Prerequisite(s): Credit or concurrent enrollment in MST 1300.

Overview of the intellectual and physical management of museum collections.



**3305 Exhibit Design and Preparation**

Exhibit design as a way to meet the needs, interests and learning styles of museum visitors.

**3308 Introduction to Material Culture**

The material evidence of American life, including everyday artifacts, and those reflecting social and political history.

**4301 Introduction to Museum Administration**

Prerequisite(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.

**4305 Preservation Management**

Prerequisite(s): MST 3304.

In-depth study of the physical care of museum collections.

**4307 Historic Buildings and Sites**

Prerequisite(s): Upper-level standing.

Varieties and techniques of historic preservation in America.

**4309 Introduction to American Decorative Arts**

Prerequisite(s): Upper-level standing.

Guide to the origins, nature and display, as well as chronological and geographical classification of American decorative arts.

**4313 Introduction to Ethical Issues in Museum Collections Management**

Prerequisite(s): Upper-level standing.

Ethical issues arising from the acquisition, ownership, sale and/or treatment of artifacts and art collections.

**4324 Introduction to Archival Collections and Museums**

Prerequisite(s): 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.

**4395 The Museum as a Learning Resource**

Prerequisite(s): MST 1300 or consent of instructor.

Theory and techniques of educational development, implementation, and evaluation to museum programs emphasizing the use of artifacts and specimens in the classroom or museum. Topics can include developing museum/school partnerships, identifying and utilizing resources, complying with district and state curriculum requirements, and furthering lifelong learning experiences.

**4V30 Museum Special Topics Seminar****1 to 3 sem. hrs.**

Prerequisite(s): Consent of instructor.

Supervised individual or small group projects to explore in depth an area of the museum profession. May be repeated once when different topics are studied for a maximum of six hours.

**4V60 Museum Internship****3 to 6 sem. hrs.**

Prerequisite(s): MST 1300, 2303, 3304, 4301.

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.**

Prerequisite(s): Consent of the instructor.

Directed studies of standards of museum professional practices.

**MUSIC (MUS)****APPL MUSIC (GRP INSTR)****1124 Class Voice**

Prerequisite(s): Course requires ability to match pitch and accurately sing back simple melodies. Departmental consent required.

Group instruction in voice.

**1125 Beginning Class Piano**

Group instruction in piano for non-music majors with no previous training in piano.

**1131 Class Piano, Grade Level I (For Music Majors)**

Group instruction for piano grade level I.

**1132 Class Piano, Grade Level II (For Music Majors)**

Group instruction for piano grade level II.

**1133 Class Piano, Grade Level III (For Music Majors)**

Group instruction for piano grade level III.

**Applied Music (Methods) (MUS)****1111 Flute-Saxophone**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**1112 Oboe-Bassoon**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**1113 Clarinet**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**1114 Trumpet-Horn**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**1115 Trombone-Baritone-Tuba**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**1116 Strings (for nonstring players)**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**1117 Violin (for string majors)**

Designed to provide a thorough understanding of the skills and materials necessary for teaching and playing the violin.

**1118 Viola (for string majors)**

Designed to provide a thorough understanding of the skills and materials necessary for teaching and playing the viola.

**1119 Percussion**

Designed to provide a thorough understanding of the problems involved and the skills required for teaching each instrument.

**1120 Cello (for string majors)**

Designed to provide a thorough understanding of the skills and materials necessary for teaching and playing the cello.

**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.

**APPLIED MUSIC - RECITAL****40B1 Degree Recital - Trumpet**

Prerequisite(s): Credit or concurrent enrollment in MUS 32B1 or 34B1.

Presentation of a recital in fulfillment of degree requirements.

**40B2 Degree Recital - Horn**

Prerequisite(s): Credit or concurrent enrollment in MUS 32B2 or 34B2.

Presentation of a recital in fulfillment of degree requirements.

**40B3 Degree Recital - Trombone**

Prerequisite(s): Credit or concurrent enrollment in MUS 32B3 or 34B3.

Presentation of a recital in fulfillment of degree requirements.

**40B4 Degree Recital - Baritone**

Prerequisite(s): Credit or concurrent enrollment in MUS 32B4 or 34B4.

Presentation of a recital in fulfillment of degree requirements.

**40B5 Degree Recital - Tuba**

Prerequisite(s): Credit or concurrent enrollment in MUS 32B5 or 34B5.

Presentation of a recital in fulfillment of degree requirements.

**40C1 Degree Recital - Composition**

Co-requisite(s): MUS 4308.

Presentation of a recital in fulfillment of degree requirements.

**40H1 Degree Recital - Harp**

Prerequisite(s): Credit or concurrent enrollment in MUS 32H1 or 34H1.

Presentation of a recital in fulfillment of degree requirements.

**40K1 Degree Recital - Piano**

Prerequisite(s): Credit or concurrent enrollment in MUS 31K1, 32K1, 33K1, or 34K1.

Presentation of a recital in fulfillment of degree requirements.

**40K2 Degree Recital - Organ**

Prerequisite(s): Credit or concurrent enrollment in MUS 31K2, 32K2, 33K2, or 34K2.

Presentation of a recital in fulfillment of degree requirements.

**40P1 Degree Recital - Percussion**

Prerequisite(s): Credit or concurrent enrollment in MUS 32P1 or 34P1.

Presentation of a recital in fulfillment of degree requirements.

**40R1 Special Recital**

Prerequisite(s): Consent of instructor.

Presentation of a recital over and above degree requirements.

**40S1 Degree Recital - Violin**

Prerequisite(s): Credit or concurrent enrollment in MUS 32S1 or 34S1.

**40S2 Degree Recital - Viola**

Prerequisite(s): Credit or concurrent enrollment in MUS 32S2 or 34S2.

Presentation of a recital in fulfillment of degree requirements.

**40S3 Degree Recital - Cello**

Prerequisite(s): Credit or concurrent enrollment in MUS 32S3 or 34S3.

Presentation of a recital in fulfillment of degree requirements.

**40S4 Degree Recital - Bass**

Prerequisite(s): Credit or concurrent enrollment in MUS 32S4 or 34S4.

Presentation of a recital in fulfillment of degree requirements.

**40V1 Degree Recital - Voice**

Prerequisite(s): Credit or concurrent enrollment in MUS 32V1 or 34V1.

Presentation of a recital in fulfillment of degree requirements.

**40W1 Degree Recital - Flute**

Prerequisite(s): Credit or concurrent enrollment in MUS 32W1 or 34W1.

Presentation of a recital in fulfillment of degree requirements.

**40W2 Degree Recital - Oboe**

Prerequisite(s): Credit or concurrent enrollment in MUS 32W2 or 34W2.

Presentation of a recital in fulfillment of degree requirements.

**40W3 Degree Recital - Clarinet**

Prerequisite(s): Credit or concurrent enrollment in MUS 32W3 or 34W3.

Presentation of a recital in fulfillment of degree requirements.

**40W4 Degree Recital - Bassoon**

Prerequisite(s): Credit or concurrent enrollment in MUS 32W4 or 34W4.

Presentation of a recital in fulfillment of degree requirements.

**40W5 Degree Recital - Saxophone**

Prerequisite(s): Credit or concurrent enrollment in MUS 32W5 or 34W5.

Presentation of a recital in fulfillment of degree requirements.

**ENSEMBLE****0100 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.

**0101 Orchestra**

The Baylor University Symphony Orchestra is dedicated to high-quality performance of the orchestral 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.

**0102 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.

**0103 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 students through careful selection of appropriate repertoire. Membership in the Symphonic Band is open to both music and non-music majors through audition in both fall and spring semesters.

**0104 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 the 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.

**0105 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.

**0106 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.

**0107 Concert Choir**

The ninety-voice Concert Choir performs music from all styles of choral repertoire with emphasis on accompanied works.

**0108 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 students 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.

**0109 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.

**0110 Baylor 21****0120 Early Music Ensemble**

The Baylor Early Music Ensembles perform music from the Medieval, Renaissance, and Baroque eras. Cultural contexts and historical performance practices are explored in the rich musical repertoires of our past.

**0121 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.

**0122 Baylor Showtime**

This 12-voice ensemble performs a broad spectrum of music in a choreographed review-style presentation which is adaptable to various locations and performance situations.

**0124 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.

**0125 Baylor Bronze**

The "Baylor Bronze" handbell ensemble rings five octaves of bells and five octaves of chimes.

**0126 Baylor Bells**

Prerequisite(s): Consent of instructor.

This performance ensemble provides a foundation for handbell ringing at the beginning and intermediate levels.

**0129 Chamber Music (Vocal)****0130 Chamber Music (Strings)**

All instrumental students participate in faculty-coached, regularly-scheduled, unconduted 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.

**0131 Chamber Music (Brass)**

See MUS 0130 for general description of chamber music classes.

**0132 Chamber Music (Woodwind)**

See MUS 0130 for general description of chamber music classes.

**0133 Chamber Music (Percussion)**

See MUS 0130 for general description of chamber music classes.

**0134 Harp Ensemble**

See MUS 0130 for general description of chamber music classes.

**0135 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.

**0136 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 master class and private coaching of repertoire prepared as part of required assignments in vocal and/or instrumental studios. Subsequent semesters: Repertoire prepared as part of assignments in instrumental and vocal studios is coached privately and in master class. Collaborative skills of balance, ensemble, and shared musical leadership are emphasized, along with rehearsal techniques and study methods specific to the preparation of vocal repertoire as distinct from instrumental repertoire. Assignments include applied lessons, rehearsals, and related public performances as appropriate.

**0137 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.

**0138 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.

**0193 Baylor Bella Voce**

Prerequisite(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 course 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.

**OTHER MUSIC****1001 Recital/Convocation Attendance**

This course provides a means to record attendance requirement credit by semester.

**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 Baylor Association Church Musicians**

The Baylor Association of Church Musicians meets monthly to encourage and support church music. Primarily designed to serve in a supportive role, the group provides enrichment opportunities for church music majors and others interested in church music. BACM is required each semester for Church Music students but is open for all students who are interested in church music.

**1100 Introductory Musicianship**

Prerequisite(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.

**1101 Musicianship I**

Prerequisite(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.

**1102 Musicianship II**

Prerequisite(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.

### **1107 Beginning Composition I**

A basic approach to twentieth-century composition through analysis and exercises in composition.

### **1108 Beginning Composition II**

Prerequisite(s): MUS 1107 or consent of instructor.

A basic approach to twentieth-century composition through analysis and exercises in composition.

### **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**

Prerequisite(s): MUS 1150.

Special laboratory course for voice students dealing with pronunciation and enunciation as applied to singing German.

### **1152 French Diction**

Prerequisite(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.

### **1161 Violin Orchestral Excerpts I**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**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.

**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 nonmusic 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.

**1220 Introduction to Music**

A course for the nonmusic major in which representative masterpieces of music are explored. Nontechnical 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**

Prerequisite(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**

Prerequisite(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.

**1320 Introduction to Music Literature**

A general music history survey and appreciation course.

**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 Music Software**

An overview of computer software applications oriented towards musicians and music educators. An introduction to word processing, spreadsheet, and Internet usage will precede a survey of the different genres of music software and their integration into presentation software.

**2101 Musicianship III**

Prerequisite(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.

**2102 Musicianship IV**

Prerequisite(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.

**2170 Introduction to Music Ministry**

Designed to provide the sophomore church music major with an overview of music ministry. Students will be introduced to the life and work of the music minister including philosophy of church music, the call to music ministry, and careers in church music. Includes ten hours of music ministry observation.

**2202 Intermediate Guitar**

Prerequisite(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.

**2207 Elementary Composition I**

Prerequisite(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**

Prerequisite(s): MUS 1102 and 1302; and consent of the professor.

Continuation of MUS 2207.

**2260 Elementary Conducting (Music Education Elementary)**

Prerequisite(s): MUS 1102 and 1302.

Fundamentals of conducting techniques and related score study in rehearsal and performance.

**2301 Theory III**

Prerequisite(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**

Prerequisite(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.

**3132 Choral Methods I**

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.

**3137 Keyboard Skills**

Prerequisite(s): Piano Level V.

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.

**3138 Sight-Reading for Pianists**

Prerequisite(s): MUS 0137 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.

**3140 Church Music Workshop**

An intensive workshop on church music methods and materials for church musicians (choir directors, organists, ministers of music, and teachers).

**3153 Russian Lyric Diction**

Prerequisite(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.

**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.

**3171 Church Music Instrumental Lab**

This experientially based course is designed to give church music students an opportunity to play with a small instrumental ensemble, opportunities to have their arrangement played, and the opportunity to develop basic skills for directing an instrumental ensemble in a church setting.

**3179 Handbell Techniques**

A study of handbell techniques and materials and methods of organizing and training handbell choirs for school and church.

**3202 Choral Arranging and Composition**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): MUS 2102 and 2302.

A first course in composition for noncomposition majors.

**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.

**3230 Introduction to Music Education**

For elementary education majors with a teaching field in music.

**3232 Choral Methods II**

Prerequisite(s): 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.

**3260 Instrumental Conducting**

Prerequisite(s): MUS 2260.

Application of basic conducting skills to the direction of instrumental ensembles.

**3261 Choral Conducting**

Prerequisite(s): MUS 2260.

Application of basic conducting skills to the direction of choral ensembles.

**3270 Children's Music Ministry**

Study and practice of current and traditional philosophies, methods and materials of use with preschool through sixth-grade church choirs.

**3271 Youth and Adult Music Ministry**

A study of youth and adult music ministry including rehearsal techniques, spiritual growth, promotion, management, vocal development and the choir's role in the life of the church and community. Issues related to senior adult choirs will also be addressed.

**3275 Music Ministry Administration**

Survey of the principles involved in organizing and implementing a full-graded music ministry, including budgeting programming, and multiple staff relationships.

**3276 Church Choral and Solo Literature**

A study of sacred solo and choral literature from the Renaissance to the present. Compositions are performed and analyzed for stylistic interpretation, musical and textual merit, and usefulness in worship.

**3277 Instrumental Music in the Church**

Designed to provide the church musician with practical knowledge of church instrumental music. Topics include history of church instrumental music, practical scoring, introduction to all orchestral instruments, rehearsal techniques, and building a church orchestra.

**3278 Introduction to Keyboard Instruments**

Familiarization with the basic technical skills required for playing worship services from the organ, piano, or keyboard. Topics include standard organ registration practices, hymn expansion for pianists, electronic keyboards as enhancement to worship, and purchase and maintenance of instruments.

**3301 Theory V**

Prerequisite(s): MUS 2302 and credit or concurrent enrollment in 2102.

Harmonic and structural analysis of larger forms, including variations, rondo, sonata, and contrapuntal forms.

**3302 Contemporary Styles**

Prerequisite(s): MUS 2301 and 2101.

A comprehensive survey of twentieth-century music with attention to form and style.

**3306 Orchestration**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**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**

Prerequisite(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.

**3315 Survey of Music Literature**

Prerequisite(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 History of American Popular Music (Cross-listed as AMS 3321)**

A historical survey of American popular music, both vocal and instrumental, from Colonial times to the present.

**3323 History of Jazz (Cross-listed as AMS 3323)**

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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): MUS 2102 and 2302.

Integrated survey of European and American art music since World War I, along with selected topics outside that tradition.

**3331 Music in the Elementary School**

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**

Prerequisite(s): MUS 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**

Prerequisite(s): MUS 3331.

Extends the work of MUS 3331 to provide a detailed study of music instruction in the elementary school. Includes observation and field teaching.

**4110 Advanced Jazz Improvisation**

Prerequisite(s): MUS 3310 or consent of instructor.

This course is an in-depth study of modern jazz improvisational techniques. May be repeated for credit.

**4114 Internship in Piano Teaching I**

Prerequisite(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**

Prerequisite(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.

**4120 Advanced Opera Workshop**

Prerequisite(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.

**4150 Diction Coaching**

Advanced coaching in lyric diction for upper-level students who are preparing recitals and/or auditions. May be repeated once for credit.

**4151 Vocal Coaching**

Prerequisite(s): Consent of instructor.

Advanced individual study of solo vocal repertoire for upper-level students preparing recitals, contests, auditions, etc. May be repeated once for credit.

**4152 Professional Skills for Performers**

Prerequisite(s): Upper division status.

Instruction and research into business and performance practice aspects of a classical solo singing career.

**4171 Issues in Music Ministry**

Reading and discussion related to current issues in church music. Designed to assist the student in relating church music philosophy to contemporary issues.

**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.

**4203 Electronic Studio**

Prerequisite(s): Junior standing or consent of instructor.

Fundamentals of tape recording, musique concrete techniques, and the synthesizer. Includes practical studio work and creative projects. One to two hours lecture/demonstration per week; two to three hours of individual work in the studio per week.



**4204 Advanced Orchestration**

Prerequisite(s): MUS 3306.

Study of problems in orchestration beyond the general topics addressed in MUS 3306.

**4205 Theoretical Systems**

Prerequisite(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**

Prerequisite(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.

**4210 Organ Methods**

For prospective organ teachers: methods and materials; church and concert repertoire.

**4213 Service Playing**

Prerequisite(s): Organ major or consent of instructor.

Study of techniques and resources for organ playing in the context of a worship service.

**4216 Opera Project I**

Prerequisite(s): Audition and/or consent of instructor.

Training class for singers and choral conducting students in stage techniques.

**4218 Opera Project II**

Prerequisite(s): Audition and/or consent of instructor.

Training class for singers and choral-conducting students in stage techniques.

**4219 Marching Band/Jazz Pedagogy**

Philosophy, materials, and techniques of high school marching bands and jazz ensembles.

**4220 Acting for Singers I**

Prerequisite(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**

Prerequisite(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.

**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.

**4233 Musical Theatre Workshop**

Prerequisite(s): MUS 2302.

Introduction to the development and integration of musical theatre performance skills through the study of selected repertoire. Includes assigned reading, listening, and viewing of related material. Students evaluated through performance and academic projects. May be repeated once for credit.

**4234 Stage Production Techniques**

Materials and techniques of selecting and producing a musical stage piece.

**4260 Orchestral Conducting**

Prerequisite(s): MUS 3260.

Advanced study of instrumental conducting techniques and related preparation and score study, specifically applied to orchestral ensembles.

**4261 Choral Conducting**

Prerequisite(s): MUS 3261.

Advanced study of choral conducting techniques and related preparation and score study, specifically applied to choral ensembles.

**4262 Band Conducting**

Prerequisite(s): MUS 3260.

Advanced study of instrumental conducting techniques and related preparation and score study, specifically applied to bands and wind ensembles.

**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.

**4273 Worship in the Church**

A study of music in worship from biblical times to the present. Includes worship planning and leadership.

**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**

Prerequisite(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.

**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.

**4301 Advanced Analysis**

Prerequisite(s): MUS 3301.

Investigation of specialized topics in music analysis, with focus on a particular analytical approach or repertoire.

**4304 Counterpoint**

Prerequisite(s): MUS 2102 and 2302.

Principles of modal and harmonic counterpoint.

**4305 Advanced Counterpoint**

Prerequisite(s): MUS 4304.

A continuation of MUS 4304. Advanced work in specialized areas of counterpoint.

**4307 Advanced Composition I**

Prerequisite(s): MUS 3304.

Continuation of MUS 3308.

**4308 Advanced Composition II**

Continuation of MUS 4307. Includes a recital of original works.

**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**

Prerequisite(s): MUS 4315.

Continuation of MUS 4315.

**4317 Piano Pedagogy III**

Prerequisite(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.

**4319 Operatic Role Preparation**

Prerequisite(s): MUS 0104; 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.

**4321 Symphonic Literature**

A survey of orchestral literature.

**4322 Piano Literature I**

Prerequisite(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**

Prerequisite(s): Enrollment limited to music majors or consent of instructor.

Literature of keyboard instruments from the mid-nineteenth century to the present.

**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 (Cross-listed as AMS 4326)**

Folk and tribal musics 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.

**4327 Song Literature I**

Music for solo voice from its beginnings to the present.

**4329 Song Literature II**

Continuation of MUS 4327.

**4331 Band Literature**

Literature for wind ensemble and band from early sources to the present.

**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**

Solo and chamber music for woodwind instruments.

**4336 Brass Literature and Pedagogy**

Solo and chamber music and pedagogy for brass instruments.

**4337 Choral Literature**

Prerequisite(s): MUS 3261.

Secular and religious choral music representing style periods from the late Renaissance to the present.

**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.

**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.

**4345 History of Classical Music in the United States**

Prerequisite(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)**

Prerequisite(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**

Prerequisite(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)**

Prerequisite(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)**

Prerequisite(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)**

Prerequisite(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 (Cross-listed as AMS 4367)**

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**

Prerequisite(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.

**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.

**43C1 Aesthetic Perception (Cross-listed as ART 43C1 and ENG 43C1)**

See ENG 43C1 for course information.

**4F30 All-Level Student Teaching in Music**

Co-requisite(s): 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.

**4V09 Advanced Electronic Studio****1 to 3 sem. hrs.**

Prerequisite(s): MUS 4203 or consent of instructor.

A continuation of MUS 4203. Material covered includes 8-track recording and mixing; voice editing, sequencing, and sampling, using MIDI; SMPTE synchronization to tape; study of electronic music literature. At least one substantial creative project will be completed. Course may be repeated for credit.

**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.

**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.

**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.

**4V13 Workshop in Keyboard Music****1 to 9 sem. hrs.**

An intensive workshop on keyboard methods and materials.

**4V80 Independent Studies****1 to 3 sem. hrs.**

Prerequisite(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.

**NEUROSCIENCE (NSC)****1106 Introduction to Neuroscience Laboratory**

Prerequisite(s): NSC 1306 or concurrent enrollment.

Laboratory experiments illustrating procedures in neuroanatomy, behavioral neuroscience, animal learning and behavior, and human sensation and perception.

**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.

**3111 Laboratory in Cognitive Psychology (Cross-listed as PSY 3111)**

Prerequisite(s): NSC 3311 or concurrent enrollment.

Laboratory experiments illustrating methods and procedures in cognitive psychology.

**3119 Laboratory in Clinical Neuroscience (Cross-listed as PSY 3119)**

Prerequisite(s): NSC 3319 or PSY 3319 or concurrent enrollment.

Laboratory experiments illustrating methods and procedures in clinical neuroscience.

**3120 Laboratory in Learning and Behavior (Cross-listed as PSY 3120)**

Prerequisite(s): NSC 3320 or PSY 3320 or concurrent enrollment.

Laboratory experiments illustrating methods and procedures in learning and behavior.

**3123 Laboratory in Sensation and Perception (Cross-listed as PSY 3123)**

Prerequisite(s): NSC 3323 or PSY 3323 or concurrent enrollment.

Laboratory experiments illustrating methods and procedures in sensation and perception.

**3311 Cognitive Psychology (Cross-listed as PSY 3311)**

Prerequisite(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.

**3319 Clinical Neuroscience (Cross-listed as PSY 3319)**

Prerequisite(s): NSC 1106-1306, 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.

**3320 Learning and Behavior (Cross-listed as PSY 3320)**

Prerequisite(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)**

Prerequisite(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.

**3355 Drugs and Behavior (Cross-listed as PSY 3355)**

Prerequisite(s): PSY 1305 or consent of instructor.

A study of the major drugs used to modify mood and behavior; mechanisms of drug action, absorption, biotransformation, and excretion of drugs; tolerance, addiction, and toxicity. Substances studied include alcohol, anti-psychotic medications, sedatives, stimulants, narcotic analgesics, hallucinogens, and other psychoactive substances.

**4130 Laboratory in Behavioral Neuroscience (Cross-listed as PSY 4130)**

Prerequisite(s): NSC/PSY 4330 or concurrent enrollment.

Laboratory experiments illustrating methods and procedures in Behavioral Neuroscience.

**4312 Behavioral Medicine (Cross-listed as MH 4312 and PSY 4312)**

Prerequisite(s): NSC 1106-1306, and either PSY 2402 or MTH 1321 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)**

Prerequisite(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.

**4324 Research on the Senses and Perception (Cross-listed as PSY 4324)**

Prerequisite(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 Behavioral Neuroscience (Cross-listed as PSY 4330)**

Prerequisite(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.

**4371 Advanced Research in Neuroscience**

Prerequisite(s): Consent of instructor.

An in-depth laboratory research experience in neuroscience as supervised by a faculty mentor.

**4V96 Special Topics in Neuroscience****1 to 4 sem. hrs.**

Prerequisite(s): Consent of instructor.

May be repeated once with change of topic.

**NURSING (NUR)****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.

**3100 Continuum of Clinical Reasoning**

Prerequisite(s): NUR 3310, 3314, 3316, 3414, and 3420.

Test taking skills with a focus on critical thinking. Students will apply skills in a computerized testing setting. On line resources will be utilized.

**3222 Professional Development: Health Promotion and Patient Education**

Prerequisite(s): Admission to the nursing major.

Concepts of health promotion and patient education emphasizing theories, practice and application.

**3224 The Maturing Family**

Prerequisite(s): NUR 3310 and 3314.

Issues and theories of family and aging affecting human needs fulfillment as related to the maturing family and older adult.

**3310 Professional Development: Foundations for Practice**

Prerequisite(s): Admission to nursing major.

Introduces the role of the professional nurse as a member of the interdisciplinary health care team, nursing process, standards of practice, and philosophy of nursing from a current and historical perspective. The concepts of critical thinking, therapeutic communication and caring are introduced as tools to enhance the nurse-client relationship.

**3314 Health Assessment**

Prerequisite(s): Admission to the nursing major.

Technique for conducting a physical assessment, collecting a health history, and documenting findings.

**3315 Physical Assessment**

Prerequisite(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)

**3316 Human Needs I**

Prerequisite(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.



**3317 Human Needs II**

Prerequisite(s): NUR 3314, 3316, 3414 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.

**3324 The Maturing Family**

Prerequisite(s): NUR 3310, 3316, and 3420.

A study of topics related to human needs fulfillment of older adults, their families, and significant others in their lives. An overview of theories of aging, and survey of social, legal, and political issues and trends in the United States will provide a foundation for the nursing assessment, planning, and delivery of nursing care for the older adult. Learners will also have the opportunities to explore the application of the human needs framework to the aging process.

**3328 Mental Health Nursing: Individuals, Groups, and Family**

Prerequisite(s): NUR 3316, NUR 3414, NUR 3420, 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.

**3339 The Childbearing Family**

Prerequisite(s): NUR 3314 and 3316.

Study family process, childbearing and nursing care to promote human needs fulfillment of the developing family.

**3350 Integration to Professional Nursing**

Prerequisite(s): Admission to joint BSN-MSN track.

A professional development course with emphasis upon issues and trends impacting professional nursing practice.

**3414 Professional Nursing Practice I**

Prerequisite(s): Admission to the nursing major; and all Semester I courses.

Introduction to nursing practice emphasizing establishing nurse-client relationships, applying the nursing process, and developing psychomotor skills.

**3420 Pathophysiology and Pharmacology I**

Prerequisite(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.

**3421 Pathophysiology and Pharmacology II**

Prerequisite(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.

**3425 Professional Nursing Practice II**

Prerequisite(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.

**3426 Professional Nursing Practice II Fast Bacc**

Co-requisite(s): Semester II courses.

Prerequisite(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.

**4010 Medication Administration**

Prerequisite(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.

**4100 Preparation for Professional Licensure**

Prerequisite(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.

**4240 Professional Development: Transition to Practice**

Prerequisite(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.

**4309 Parish Nursing**

Prerequisite(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**

Prerequisite(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)

**4317 High Risk Perinatal Nursing**

Prerequisite(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.

**4329 Child Health Nursing in Great Britain**

Prerequisite(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.

**4330 Women's Health in Great Britain**

Prerequisite(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.

**4331 Health Care in Argentina**

Prerequisite(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.

**4335 Clinical Internship**

Prerequisite(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, four week internship will be determined following course guidelines with consideration given to student preferences.

**4338 Analysis and Synthesis of Complex Human Needs**

Prerequisite(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.

**4339 The Childrearing Family**

Prerequisite(s): NUR 3317 and 3339.

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.

**4341 Nursing Professional Development: Leadership and Management**

Prerequisite(s): Completion of all Semester I, II, and III courses.

Analysis of the concepts of leadership and management in professional nursing, including entry into practice and career development concerns, ethical theories, value clarification, the business of healthcare, and the management process.

**4345 Professional Nursing Practice IV**

Prerequisite(s): All Semester III courses.

Professional nursing practice emphasizing meeting the health needs of communities. Laboratory experiences include a variety of community settings.

**4347 Nursing Clients with Substance Abuse Problems**

Prerequisite(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)

**4351 Professional Development: A Consumer of Research**

Prerequisite(s): NUR 3317, 3324, 3339, 3421 and 3425.

Concepts and methods of research.

**4353 Community and Culture**

Prerequisite(s): All Semester I courses.

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.

**4356 Oncological Nursing**

Prerequisite(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)

**4357 Women's Health Concerns**

Prerequisite(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.

**4358 The Role of the Nurse as Lactation Educator and Consultant**

Prerequisite(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.

**4359 Health Promotion**

Prerequisite(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.

**4376 Nursing Care of the Family Experiencing Violence**

Prerequisite(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)

**4377 Transcultural Nursing: Integrating Care for Spiritual and Physical Needs**

Prerequisite(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)

**4387 Environmental Issues and Their Impact on Health and Human Needs**

Prerequisite(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)

**4388 Emergency Nursing**

Prerequisite(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.

**4389 Nursing and Spirituality**

Prerequisite(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.

**4390 Camp Nursing Elective**

Prerequisite(s): NUR 3100, 3310, 3314, 3316, 3317, 3324, 3339, 3414, 3420, 3421, and 3425.

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.

**4391 Care of the Geriatric Client**

Prerequisite(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.

**4396 Independent Study**

Prerequisite(s): All courses in Semesters I and II of the major.

Additional course prerequisites vary with topic selected. Subject to proposal approval. GPA 2.75. The opportunity for in-depth study in an area of nursing of his/her choice is provided. Following approval of course proposal, the student will, in collaboration with an assigned faculty member, implement and evaluate the learning experience. (3-0)

**4397 End of Life Care**

Prerequisite(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.

**4398 Introduction to Critical Care Nursing**

Prerequisite(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.

**4435 Professional Nursing Practice III**

Prerequisite(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.

**4436 Professional Nursing Practice III Fast Bacc**

Co-requisite(s): Semester III courses.

Prerequisite(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.

**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.

**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.

**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.

**4V67 Nursing Care of the Transplant Client****3 to 4 sem. hrs.**

Prerequisite(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)

**PHILOSOPHY (PHI)****1306 Logic****TCCNS: PHIL 2303**

A critical analysis of the principles and methods used to distinguish correct from incorrect reasoning. The student examines uses of language, definitions, and informal fallacies. Included is an introductory study of the logic of the syllogism, the logic of truth functions, the logic of extended propositional proofs, the logic of relations, and the logic of experimental methods used in the sciences. The student is assisted in developing his or her ability to think critically and coherently and to construct well-formulated arguments.

**1307 Critical Thinking (Cross-listed as MH 1307)**

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 Introductory Topics in Ethics**

An introductory study of philosophical issues related to moral, social, and political life. Variable topics, possibly including morality and modernity, friendship, just war and pacifism, love and sex, the seven deadly sins, poverty, affluence, environment, business, or medical or professional ethics. May be repeated once provided the topic is different, not to exceed six hours.

**1321 Introductory Topics in Philosophy****TCCNS: PHI 1301**

An introductory study of major philosophical topics, themes, and thinkers. The course aims to develop the ability to read texts critically and to think clearly about such fundamental issues as God, human knowledge and the nature of reality.

**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.

**2305 Philosophy and Religion**

A critical analysis of the rationality of religious beliefs, principally those in the theistic tradition. Topics may include the existence of God, evil, religious language, religious experience, faith and reason, and individual religious commitments in a pluralistic world.

**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 (Cross-listed as CHS 2310)**

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.

**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**

Prerequisite(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 ART 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.

**3395 Historiography and the Philosophy of History**

Prerequisite(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.

**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**

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.

**4318 Philosophy of Law (Cross-listed as AMS 4318)**

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**

Prerequisite(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**

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**

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 (Cross-listed as MH 4325)**

Prerequisite(s): For Philosophy and Medical Humanities juniors and seniors majors/minors only.

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. Study of literary, philosophical, and medical works; each student will present a significant work for discussion, together with a major paper in one of these areas.

**4331 Latin American Philosophy**

Prerequisite(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 (Cross-listed as AMS 4342)**

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**

Prerequisite(s): Upper-level standing.

The language of first-order logic as a formal deductive system.

### **4353 Philosophy of Language**

Prerequisite(s): Upper-level standing.

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**

Prerequisite(s): Upper-level standing.

Major issues in contemporary ethical writings. Course may be repeated once for credit if topic varies.

### **4361 Social Philosophy**

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 (Cross-listed as MH 4363)**

Philosophical approaches to clinical medicine and contemporary health care, focusing on experience as a basis for knowledge.

### **4365 Jewish Philosophy**

Prerequisite(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 (Cross-listed as CHS 4379 and PSC 4379)**

See CHS 4379 for course information.

### **4385 Religious Ethics in a Liberal Democracy (Cross-listed as CHS 4385)**

See CHS 4385 for course information.

### **4V99 Special Topics in Philosophy (Cross-listed as AMS 4V99)**

**1 to 3 sem. hrs.**

Prerequisite(s): Senior or graduate standing and consent of instructor.

Faculty-directed individual, group or class research project. Course may be repeated twice for credit if topics vary.

## **PHYSICS (PHY)**

### **1404 Light, Vision and Optics**

A conceptual course on the physics of light, optics, photography, vision, color, and other visual phenomena.

### **1405 General Physics for B.A. Students**

**TCCNS: PHYS 1410**

Concepts and historical development of physics; selected topics. (Does not apply toward a major in physics.)

### **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.

### **1408 General Physics for Natural and Behavioral Sciences I**

**TCCNS: PHYS 1401**

Prerequisite(s): MTH 1304, 1321 or 1322, or equivalent or concurrent enrollment in MTH 1321 or 1322.

The fundamentals of mechanics, heat, and sound, with emphasis on physical concepts, problem solving, notation, and units. (PHY 1408 and 1409 or PHY 1420 and 1430 satisfy premedical, pre dental, and liberal arts requirements.)

**1409 General Physics for Natural and Behavioral Sciences II****TCCNS: PHYS 1402**

Prerequisite(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.)

**1420 General Physics I****TCCNS: PHYS 2425**

Prerequisite(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.

**1430 General Physics II****TCCNS: PHYS 2426**

Prerequisite(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.

**1455 Descriptive Astronomy**

The fundamentals of astronomy and its relationship to human development. Emphasis on the solar system, planets, asteroids, meteoroids, and comets.

**1V95 Independent Study in Physics****1 to 3 sem. hrs.**

Prerequisite(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.

**2135 Basic Electronics Laboratory**

Prerequisite(s): PHY 1430.

Principles and applications of electrical circuits and electronics for physical science majors.

**2190 Introduction to Research in Physics**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**3175 Intermediate Physics Laboratory I**

Prerequisite(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.

**3176 Intermediate Physics Laboratory II**

Prerequisite(s): PHY 3175.

Continuation of PHY 3175 with emphasis on nuclear counting and measurements.

**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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): PHY 2455; and MTH 1322 or concurrent enrollment.

Topics in contemporary research in astronomy and astrophysics.

**3372 Introductory Quantum Mechanics I**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**3V95 Undergraduate Research in Physics**

**1 to 3 sem. hrs.**

Prerequisite(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.

**4001 Exit Exam**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): Departmental approval required.

Culmination of an undergraduate research project including presentation of research results.

**4322 Advanced Topics in Classical Physics**

Prerequisite(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; Linard-Wiechert potentials; relativistic electrodynamics.

**4340 Statistical and Thermal Physics**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.**

Prerequisite(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.

## POLITICAL SCIENCE (PSC)

### INTRODUCTORY GOVERNMENT

#### 1305 American National Government

TCCNS: GOVT 2305

A course in American national government with emphasis on the historical background, structure, organization, and functioning of that government.

#### 2302 American Constitutional Development

An historical and institutional study of the background, content, development, and interpretation of the United States Constitution. This course is required for all bachelor's degrees. (This course and PSC 1306 should be taken by students seeking a Texas Teacher's Certificate, or by preengineering, pre dental, premedical and other students who may seek a degree from a Texas state-supported school.)

### POLITICAL THEORY AND POLITICAL PHILOSOPHY

#### 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 2302.

#### 3353 American Political Thought (Cross-listed as AMS 3353)

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

Prerequisite(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

Prerequisite(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 rising from technology, mass society, and the observations of empirical political science.

### POLITICAL THEORY AND METHODOLOGY

#### 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**

### **1306 American State and Local Government**

**TCCNS: GOVT 2306**

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 (Cross-listed as AMS 3310)**

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 (Cross-listed as AMS 3320)**

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 (Cross-listed as AMS 3330)**

The American presidency as a political institution and as one of the primary components of the United States governmental structure.

### **3340 Campaigns and Elections (Cross-listed as AMS 3340)**

Prerequisite(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 (Cross-listed as AMS 4300)**

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 (Cross-listed as AMS 4321)**

Prerequisite(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**

Prerequisite(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.

**4360 Religion and the Body Politic (Cross-listed as CHS 4360, HIS 4360, and REL 4360)**

See CHS 4360 for course information.

**4370 Politics and Religion (Cross-listed as CHS 4370)**

Prerequisite(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****3302 Criminal Justice and Community Law Enforcement (Cross-listed as CCS 3302)**

See CCS 3302 for course information.

**3311 Moot Court**

Prerequisite(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 AMS 3339, CHS 3339, and REL 3339)**

See CHS 3339 for course information.

**3372 Law, Justice and the Community (Cross-listed as CCS 3372)**

See CCS 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 AMS 4361)**

Constitutional law of the United States with basic cases concerning such subjects as separation of powers, federalism, the taxing and spending powers, and interstate and foreign commerce.

**4381 American Constitutional Law (Cross-listed as AMS 4381)**

Continuation of PSC 4361, but may be taken independently of that offering. Deals with those cases relating particularly to personal liberty and civil rights.



## **PUBLIC POLICY AND ADMINISTRATION**

### **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 (Cross-listed as AMS 3322)**

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**

Prerequisite(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**

Prerequisite(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.

### **4322 Seminar in Public Administration**

Prerequisite(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**

Prerequisite(s): PSC 2302 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.

## **INTERNATIONAL RELATIONS**

### **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**

Prerequisite(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**

Prerequisite(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.

### **3375 Model United Nations**

Prerequisite(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 (Cross-listed as CHS 4303)**

See CHS 4303 for course information.

### **4315 Political Geography (Cross-listed as GEOG 4315)**

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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): Upper-level standing.

The influence of moral principles on international politics.

### **4365 International Political Economics**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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****3304 Comparative Politics**

A comparative study of the principles, structure, and operation of contemporary governmental systems with special attention to the democratic systems of Europe.

**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**

Prerequisite(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 (Cross-listed as CHS 4379 and PHI 4379)**

See CHS 4379 for course information.

## **OTHER**

### **4390 Reading Course in Political Science**

Prerequisite(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)**

### **1401 Elementary Portuguese**

**TCCNS: PORT 1411**

Introduction to the Portuguese language and culture: pronunciation, grammar, reading of simple texts, and conversation.

### **1402 Elementary Portuguese**

**TCCNS: PORT 1412**

Prerequisite(s): POR 1401 or two units of high school Portuguese.

Continuation of POR 1401.

### **2310 Intermediate Portuguese**

Prerequisite(s): POR 1401 and 1402 or three units of high school Portuguese.

Conversation, composition, cultural readings, and grammar review.

### **2320 Intermediate Portuguese**

Prerequisite(s): POR 1401, 1402, and 2310 or four units of high school Portuguese.

Continuation of POR 2310.

## **PREHEALTH PROFESSIONS (PHP)**

### **1103 Nature of Healthcare Relationships (Cross-listed as MH 1103)**

In this course, the nature of healthcare relationship is examined from a number of perspectives, including both the patient and healthcare provider. The issues explored in this course include both professional and ethical issues and the means to cope with them. This is a medical humanities module.

### **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 (Cross-listed as MH 1106)**

Introduction to the health professions; the nature of the medical and dental arts; educational skills and basic survival skills in the healthcare professions; overview of graduate level study in health related professions.

### **2101 Foundations of Medical Research (Cross-listed as MH 2101)**

Introduction to clinical/medical research in an academic medical setting, including medical ethics, research modalities, and evaluation tools.

### **2102 Medical Research Internship (Cross-listed as MH 2102)**

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.

### **2105 Premedical Professional Development**

Prerequisite(s): Sophomore standing and completion of either PHP 1105 or PHP/MH 1106 with a grade of "B" or higher.

Professionalism within healthcare including appropriate personal attributes and expectations, integrity, interpersonal communication, and self-appraisal.

## **PROFESSIONAL DEVELOPMENT (PRD)**

### **2101 Professional Development**

This course focuses on professional development: scholarships, internships, resumes, cover letters, personal statements, and mock interviews.

## **PSYCHOLOGY (PSY)**

### **1305 Introductory Psychology**

**TCCNS: PSYC 2301**

A survey course introducing the student to the field of psychology.

### **2402 Statistics**

Prerequisite(s): PSY 1305 and either MTH 1301, 1302, 1304, 1305, or 1321.

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.

### **2405 Research Methods in Psychology**

Prerequisite(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.

**3111 Laboratory in Cognitive Psychology (Cross-listed as NSC 3111)**

See NSC 3111 for course information.

**3119 Laboratory in Clinical Neuroscience (Cross-listed as NSC 3119)**

See NSC 3119 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**

Prerequisite(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.

**3310 Social Psychology**

Prerequisite(s): PSY 1305 and 2402 or consent of instructor.

A study of individual behavior as affected by cultural and social stimuli.

**3311 Cognitive Psychology (Cross-listed as NSC 3311)**

See NSC 3311 for course information.

**3314 Industrial/Organizational Psychology**

Prerequisite(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**

Prerequisite(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.

**3319 Clinical Neuroscience (Cross-listed as NSC 3319)**

See NSC 3319 for course information.

**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 nonmajors only.

**3323 Sensation and Perception (Cross-listed as NSC 3323)**

See NSC 3323 for course information.

**3330 Psychopathology**

Prerequisite(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.

**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 Lifespan Human Development**

Prerequisite(s): NSC 1106-1306 and PSY 1305.

Human development across the lifespan with emphasis on research, theory and influences on change. For majors only.

**3355 Drugs and Behavior (Cross-listed as NSC 3355)**

See NSC 3355 for course information.

**3360 Psychology of Gender**

Prerequisite(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.

**3380 Forensic Psychology**

Prerequisite(s): PSY 1305 and 2402 or consent of instructor.

Psychology as it relates to criminal and civil law.

**3399 Positive Psychology and Well-Being**

Prerequisite(s): PSY 1305 and 2402.

Positive psychology theory, research, and interventions.

**3406 Comparative Psychology**

Prerequisite(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.

**3425 Group Processes**

Prerequisite(s): PSY 1305 and 2402, or consent of instructor.

Group dynamics, leadership roles in problem solving, and analysis of interpersonal behavior. (3-3)

**3V90 Community Volunteer Work in Psychology**

**1 to 3 sem. hrs.**

Prerequisite(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.

**4130 Laboratory in Behavioral Neuroscience (Cross-listed as NSC 4130)**

See NSC 4130 for course information.

**4300 Advanced Statistics I**

Prerequisite(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.

**4302 Human Development**

Prerequisite(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**

Prerequisite(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.

**4324 Research on the Senses and Perception (Cross-listed as NSC 4324)**

See NSC 4324 for course information.

**4327 Theories of Personality**

Prerequisite(s): PSY 1305 and 2402 or consent of instructor.

Major theories of personality.

**4329 Consciousness and Mind**

Prerequisite(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 Behavioral Neuroscience (Cross-listed as NSC 4330)**

See NSC 4330 for course information.

**4339 Psychology of Religion**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): Consent of instructor.

An in-depth laboratory research experience in psychology as supervised by a faculty mentor.

**4380 Psychology of Personal Relationships**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**4V96 Special Topics in Psychology I**

Prerequisite(s): Consent of instructor.

Course may be repeated once with change in content.

**1 to 4 sem. hrs.**



## QUANTITATIVE BUSINESS ANALYSIS (QBA)

### **2302 Business Data Analysis I**

Prerequisite(s): A minimum grade of C in MIS 1305; and credit or concurrent enrollment in MTH 1309 or MTH 1321.

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.

### **2305 Business Data Analysis II**

Prerequisite(s): A minimum grade of C in QBA 2302 or minimum grade of C in STA 1380 and cumulative GPA of 2.5 or higher.

Intermediate statistical methods with specific business applications including analysis of variance (ANOVA), multiple regression analysis, the analysis of categorical data, the analysis of ranked data, statistical quality control techniques, index numbers, time series analysis and forecasting, and introduction to decision theory. Statistical software is used to allow an emphasis on interpretation of results rather than manual solutions.

### **3306 Statistical Models in Business**

Prerequisite(s): A minimum grade of C in QBA 2305.

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 AND LEISURE SERVICES (RLS)

### **1202 First Aid (Cross-listed as HP 1202)**

See HP 1202 for course information.

### **1233 Red Cross Water Safety (Cross-listed as HP 1233)**

See HP 1233 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. (Lab fee required.)

### **1235 Sailing & Canoeing Instructor**

Prerequisite(s): HP 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. (Lab fee)

### **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.

**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 Outdoor Adventure Activities**

Prerequisite(s): RLS major or upper-level standing.

Designed to help students acquire the knowledge and skill needed to lead selected popular outdoor adventure activities in outdoor recreational, educational, church, and other settings. If weather and scheduling permit, students will actively participate in backpacking, camping, rock climbing, rappelling, navigation, bicycling, and skin diving. Additional topics to be studied include survival, mountaineering, and winter wilderness travel and camping. All equipment furnished except bicycle. Two week-end trips, one Saturday, and two evenings required. (Lab fee required.)

**3302 Program Planning in Leisure Services**

Prerequisite(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. (Lab fee required.)

**3382 Risk Management in HHPR (Cross-listed as HP 3382)**

See HP 3382 for course information.

**3396 Field Laboratory in Leisure Services**

Prerequisite(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**

Prerequisite(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.

**4390 Independent Study in Recreation**

Prerequisite(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**

Prerequisite(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 Leisure Services for Persons with Disabilities**

Prerequisite(s): RLS major or upper-level standing.

The nature and implications of illness and disabilities upon individuals, with consideration of societal attitudes, role of leisure professionals, investigation of laws and legislation, programming opportunities, and resources for service delivery. Field experience included.

**4V94 Internship in Leisure Services**

**3 to 9 sem. hrs.**

Prerequisite(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****1211 Exploring Christian Narratives: From Eden to Modernity: I**

The history, religion, and literature of the Bible and the development of Christianity.

**1221 Exploring Christian Narratives: From Eden to Modernity: II**

Prerequisite(s): REL 1211.

Continuation of REL 1211.

### **1231 Exploring Christian Narratives: From Eden to Modernity: III**

Prerequisite(s): REL 1221.

Continuation of REL 1221.

### **1241 Exploring Christian Narratives: From Eden to Modernity: IV**

Prerequisite(s): REL 1231.

Independent study on one of the topics covered in REL 1211, 1221, or 1231.

### **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**

Prerequisite(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**

### **3301 Psalms and Wisdom Literature**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

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)**

Prerequisite(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**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

A study of Old Testament prophecy emphasizing the prophetic books-their origins, times, and messages.

### **3305 Interpreting the Old Testament**

Prerequisite(s): REL 1310 and 1350; sophomore standing or above.

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.

### **3311 Jesus and the Gospels**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

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**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

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**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

A study of the life and letters of the apostle Paul.

### **3315 The General Epistles**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

A study of Hebrews, James, 1 and 2 Peter, Jude, and 1, 2, and 3 John.

**3319 Interpreting the New Testament**

Prerequisite(s): REL 1310 and 1350; sophomore standing or above.

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.**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

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)**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.**

Prerequisite(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.

**HISTORICAL STUDIES****3330 Introduction to Church History**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

A survey of church history from New Testament times to the present.

**3338 Women in Christian History**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

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 AMS 3339, CHS 3339, and PSC 3339)**

See CHS 3339 for course information.

**3340 Religion and Society (Cross-listed as CHS 3309 and SOC 3309)**

See CHS 3309 for course information.

**3344 New Religious Movements in the United States (Cross-listed as AMS 3344)**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

The origin, development, and teachings of various New Religious Movements from a sociological, theological, phenomenological, and historical perspective.

**3345 World Religions (Cross-listed as AST 3345 and MH 3345)**

Prerequisite(s): REL 1310 and 1350 or BIC 3358; and upper-level standing.

Historical, aesthetic, philosophical, anthropological, sociological, and psychological approaches to the major faith traditions of our world.

**3348 Hitler and the Holocaust (Cross-listed as HIS 3308)**

See HIS 3308 for course information.

**4331 History of Roman Catholicism**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

Historical and theological developments of Roman Catholicism from the patristic period to the present. Special attention will be directed toward individuals, movements, and councils.

**4332 History of Eastern Orthodoxy**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

Historical and theological developments of Eastern Orthodoxy from the patristic period to the present, with special emphasis given to developments since the Second Council of Nicea.

**4333 History of Protestantism**

Prerequisite(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.

**4334 Radical Christianity**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

A study of non-establishment Christianity, including early Christian and medieval heresy, Reformation radicals, Puritan dissenting traditions, the free church traditions, and religious innovation in the American experience. The course may be repeated once when content differs.

**4335 Baptist Life and Thought**

Prerequisite(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 (Cross-listed as AMS 4336)**

Prerequisite(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.

**4338 Women in Religion in America (Cross-listed as AMS 4338)**

Prerequisite(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**

Prerequisite(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.

**4343 Topics in Islam**

Prerequisite(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)**

Prerequisite(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.

**4348 Modern Judaism**

Prerequisite(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.

**4360 Religion and the Body Politic (Cross-listed as CHS 4360, HIS 4360, and PSC 4360)**

See CHS 4360 for course information.

**PRACTICAL STUDIES****2480 Introduction to Ministry**

Prerequisite(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.

**3381 Functions of Ministry**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

An examination of various functions of ministry such as sermon preparation, worship leadership, church management, evangelism, teaching, and pastoral care.

**3382 Cross-Cultural Ministry**

Prerequisite(s): REL 1310 and REL 1350; and upper-level standing.

Issues related to cross-cultural ministry and contemporary approaches for Christian missions.

**RESEARCH****4300 Special Topics in Religion**

Prerequisite(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**

Prerequisite(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****3351 Introduction to Christian Theology**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

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 After the Apostles: The Origins of Christian Orthodoxy and Heresy**

Prerequisite(s): REL 1310 and 1350.

The emergence of doctrines and identity in earliest Christianity.

**3370 Religion and Literature (Cross-listed as ENG 3370)**

See ENG 3370 for course information.

**3390 Christian Ethics**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

An introductory study of the patterns of reflection and action which characterize the Christian moral life. Attention will be given to Christian responsibility in politics, economics, family life, and other areas of human activity.

**3392 The Christian Faith and Business Ethics**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

A study from the perspective of the Judeo-Christian tradition of the moral issues associated with the economic sphere of human activity. Attention will be given to the contemporary problems of business ethics.

**3394 War and Peace in the Christian Tradition**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

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**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

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.

**4350 Augustine's Theological Development (Cross-listed as CLA 4350)**

Prerequisite(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.

**4351 The Doctrine of Revelation**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

The issues of revelation, inspiration, authority, inerrancy, and Biblical interpretation. Both modern and historical positions will be discussed. The contemporary crisis over the doctrine of inspiration and inerrancy will be examined.

**4352 History of Christian Theology I**

Prerequisite(s): REL 1310, 1350 and upper-level standing.

The major developments of the first eight centuries of Christian theology from the post-Apostolic period to the last of the seven ecumenical councils in 787 CE, with special attention to the theological controversies leading to the formation of the Christian community's central doctrines.

**4353 History of Christian Theology II**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

The major developments of Christian theology, primarily in the West, from the ninth through the mid-seventeenth centuries with emphasis on the great theological systems of the Middle Ages and the theological aims of the sixteenth-century reforming movements.

**4354 History of Christian Theology III**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

The major developments of Christian theology in the modern period from the late seventeenth century to the present, emphasizing the rise of modern historical and philosophical perspectives which challenge traditional Christian claims.

**4373 Christianity and Marxism (Cross-listed as CHS 4373)**

See CHS 4373 for course information.



**4388 Christian Literary Classics (Cross-listed as ENG 4388)**

Prerequisite(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.

**4390 Contemporary Christian Ethics Theory**

Prerequisite(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 AMS 4393 and ENV 4393)**

Prerequisite(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.

**4394 Religion and Older Persons**

Prerequisite(s): REL 1310 and 1350; and upper-level standing.

Relationship between religion and the lives and needs of older persons. This will include an examination of the attitudes toward and treatment of older persons in the Judeo-Christian and other selected religious traditions.

**4395 Bioethics (Cross-listed as MH 4395)**

Prerequisite(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)**

Prerequisite(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**

Prerequisite(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.

**RUSSIAN (RUS)****1401 Elementary Russian****TCCNS: RUSS 1411**

Introduction to the Russian language and culture: Pronunciation, grammar, reading of simple texts, and conversation.

**1402 Elementary Russian****TCCNS: RUSS 1412**

Prerequisite(s): RUS 1401 or two units of high school Russian.

Continuation of RUS 1401.

**2310 Intermediate Russian**

Prerequisite(s): RUS 1401 and 1402 or three units of high school Russian.

Conversation, composition, cultural readings, and grammar review.

**2320 Intermediate Russian**

Prerequisite(s): RUS 1401, 1402, and 2310 or four units of high school Russian.

Continuation of RUS 2310.

**3301 Russian Conversation and Composition**

Prerequisite(s): Fourteen semester hours of Russian or consent of instructor.

Further development of communication skills. Required of all Russian majors.

**3302 Russian Reading Development**

Prerequisite(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.

**3352 Modern Russian Short Story**

Prerequisite(s): Fourteen semester hours of Russian.

Emphasis on Russian short prose fiction of the twentieth century.

**3353 Russian Drama**

Prerequisite(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.**

Prerequisite(s): Consent of division director.

With content changed, this course may be repeated once for credit. 1-0

**4301 Survey of Russian Literature**

Prerequisite(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**

Prerequisite(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.**

Prerequisite(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.

## SANSKRIT (SAN)

### 1301 Elementary Sanskrit

Introduction to the basic elements of Classical Sanskrit: the devanagari script, grammar, and syntax.

### 1302 Elementary Sanskrit

Prerequisite(s): SAN 1301.

Continuation of SAN 1301; Continuation of Classical Sanskrit grammar and syntax; selected readings from the Bhagavad-Gita and the Ramayana.

## SLAVIC AND EAST 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.

Prerequisite(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.

Prerequisite(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 AMS 4352 and HIS 4379)

See HIS 4379 for course information.

### 4V90 Independent Readings

Prerequisite(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 WORK (SWO)

### 1100 Community Volunteer Work

Volunteer work in a community welfare health or recreational agency or setting. A minimum of three hours per week for a minimum of forty-two hours for the semester. Participation in the scheduled seminars is also required. May be repeated once for a total of two semester hours.

### 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.

### 3305 Introduction to Gerontology (Cross-listed as GRT 3305 and SOC 3305)

See SOC 3305 for course information.

### 3311 Race, Class, and Gender (Cross-listed as SOC 3311)

See SOC 3311 for course information.

### 3313 Working with Minorities: The Interpersonal Perspective

The focus of this course is on the interpersonal interactions between the student and persons of different cultural and ethnic backgrounds. The course is designed to enable students to better work with minority persons. Primary emphasis is given to the African-American and Mexican-American experience, although other minorities are considered. The student is given opportunities to better understand his/her own orientation and attitudes regarding minority persons and how these influence interpersonal relationships.

### 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

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.

### 3354 Marriage and the Family (Cross-listed as SOC 3354)

See SOC 3354 for course information.

### 3360 Juvenile Delinquency (Cross-listed as SOC 3360)

See SOC 3360 for course information.

### 3371 Social Work Practice I: Generalist Practice

Prerequisite(s): SWO 2321, 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.

### 4293 Senior Capstone Seminar

Prerequisite(s): SWO 4401, minimum grade of B in SWO 4373 and 4491, credit or concurrent enrollment in SWO 4301, 4322, and 4492.

Capstone course requiring integration of liberal arts background and demonstration of professional competence around the program's educational outcomes through a professional portfolio and successful oral competence exit process. Includes written and verbal demonstration of self-awareness and integration of Social Work knowledge, skills, and values.

**4301 Social Work Research**

Prerequisite(s): SWO 4401 and credit or concurrent enrollment in SWO 4293, 4322, and 4492.

The basic purpose, methods and techniques of social research, evaluation of professional social work practice, and social program evaluation.

**4310 Death and Dying (Cross-listed as MH 4310 and SOC 4310)**

See SOC 4310 for course information.

**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 Loss and Mourning**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): SWO 4491, 4373 and 4401. Credit or concurrent enrollment in 4301, 4293, 4492.

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.

**4329 Community Services for Families and Children**

Community-based family resource programs; family life education; family counseling; child care; mentoring and youth services; family preservation services; adoption; residential treatment and foster care.

**4340 Ethnicity and Aging (Cross-listed as GRT 4340 and SOC 4340)**

Impact of ethnicity as an explanatory variable in understanding the nature of the aging process. Special consideration is given to how ethnicity shapes the nature of health and human service policy and delivery in behalf of older persons.

**4342 Social Services for Older Persons (Cross-listed as GRT 4342)**

Federal and state laws which affect older persons, particularly in the areas of employment, retirement, health, and housing. The major legal problems of the elderly and needed advocacy programs for the aged are given special attention.

**4352 Criminology (Cross-listed as SOC 4352)**

See SOC 4352 for course information.

**4372 Social Work Practice II: Generalist Practice with Groups**

Prerequisite(s): SWO 3351, minimum grade of B in 3371, credit or concurrent enrollment in SWO 3352.

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**

Prerequisite(s): SWO 3352, minimum grade of B in 4372, credit or concurrent enrollment in 4491.

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)**

Prerequisite(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)**

Prerequisite(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**

Prerequisite(s): MTH 1301 or 1304 or 1321 or STA 1380.

Apply basic statistical tools to describe, analyze, and evaluate research issues in professional social work practice.

### **4491 Social Work Internship I**

Prerequisite(s): A minimum grade of B in 4372; credit or concurrent enrollment in 4373; admission to field program and consent of Director of Field Education - Generalist Practice.

First 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.

### **4492 Social Work Internship II**

Prerequisite(s): SWO 4401, minimum grade of B in SWO 4373 and 4491, credit or concurrent enrollment in 4301, 4322 and 4293.

Second 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 ninety minute weekly integrative seminar. Student must demonstrate competence around each of the program's educational objectives and competencies.

### **4V70 Special Topics in Social Work**

**1 to 3 sem. hrs.**

Prerequisite(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.**

Prerequisite(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)**

### **1105 Introduction to Sociology-ELG 1**

Semester one of introductory sociology for engaged learning group. Topics include social theory, methods of social research, social structure, organizations, and deviance. Credit may not be

earned for this course if credit is earned in SOC 1305.

**1106 Introduction to Sociology-ELG 2**

Prerequisite(s): SOC 1105.

Semester two of introductory sociology for engaged learning group. Topics include social stratification, social class, inequality, race, ethnicity, and gender. Credit may not be earned for this course if credit is earned in SOC 1305.

**1107 Introduction to Sociology-ELG 3**

Prerequisite(s): SOC 1106.

Semester three of introductory sociology for engaged learning group. Topics include social institutions (family, religion, economy, work, education) and population, environment, social movements, and social change. Credit may not be earned for this course if credit is earned in SOC 1305.

**1108 Introduction to Sociology-ELG 4**

Prerequisite(s): SOC 1107.

Semester four of introductory sociology for engaged learning group (optional). Students carry out research projects under the guidance of sociology faculty.

**1305 Introduction to Sociology****TCCNS: SOCI 1301**

An introductory survey course including basic concepts in the field of sociology, the relationship of the individual to culture and to the group, and major social institutions. Credit may not be earned for this course if credit is earned in SOC 1105, 1106, and 1107.

**1306 Social Problems****TCCNS: SOCI 1306**

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.

**3300 African Heritage & African-American Cultural Concepts**

African-American concepts, beliefs, and practices from the cultural patterning, beginning in Africa and extending into the African world (Black Diaspora).

**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 CHS 3309 and REL 3340)**

See CHS 3309 for course information.

**3311 Race, Class, and Gender (Cross-listed as AMS 3311 and SWO 3311)**

Race, class, gender, ethnicity, and the dynamics of their interrelationships in United States 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 Urban Sociology**

An analysis of the social structure of the city and social Problems unique to cities.

**3330 Women in American Society**

Prerequisite(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 (Cross-listed as SWO 3354)**

Contemporary family life styles 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 (Cross-listed as SWO 3360)**

A study of delinquency in a changing society, with emphasis on social causes and methods of control.

**3361 Extreme Deviance**

Prerequisite(s): Upper-level standing.

An overview of deviant belief systems, touching upon the definition of deviance, the methodological issues surrounding the study of deviance, and the theories used to explain deviant behavior.

**3365 Population Geography (Cross-listed as GEOG 3365)**

Prerequisite(s): Upper-level standing; or consent of instructor.

Population patterns, emphasizing fertility, mortality, and migrations in various regions.

**3402 Social Statistics (Cross-listed as ANT 3402)**

Prerequisite(s): SOC 1305, ANT 2304 or ANT 2305; or consent of instructor.

An introduction to descriptive and inferential statistics for social science majors. Development of skills in research data analysis. (3-3) (Fee)

**4303 Applied Sociology Internship**

Prerequisite(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 (Cross-listed as MH 4310 and SWO 4310)**

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 Stratification (Cross-listed as AMS 4322)**

Class structure of society, with emphasis on the major theoretical explanations of stratification. Consideration is given to social class as a predictor of human behavior and to models of class mobility.

**4325 Sociology of Religion**

Ways in which religion influences society, culture, and personality and, conversely, how the latter affect religion.

**4331 Population Problems (Cross-listed as ENV 4331)**

Major problems of population growth and change, with special emphasis on their relationships to the social order.

**4335 Sociology of Law**

Prerequisite(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 (Cross-listed as SWO 4352)**

Crime, criminals, and the correctional system in America. Emphasis is given to the effects of crime on the social order.

**4353 Sociology of Medicine**

Prerequisite(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.

**4366 Social Change and Industrial Society (Cross-listed as AMS 4366)**

Contemporary social change as an outcome of the economic, political, and social processes involved in the development of modern industrial society. Structures for planned social change are studied.

**4381 Methods of Social Research**

Prerequisite(s): SOC 1305, 3402; and three semester hours of mathematics.

Basic methods and techniques used in social research.

**4391 Social Theory**

Prerequisite(s): Senior status and nine semester hours in sociology including SOC 1305.

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**

Prerequisite(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****1 to 3 sem. hrs.**

Prerequisite(s): SOC 1305; and consent of instructor.

Course 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.

**SPANISH (SPA)****1401 Elementary Spanish****TCCNS: SPAN 1411**

Results of departmental placement exam or departmental approval. Introduction to the Spanish language and culture: pronunciation, grammar, reading of simple texts, and conversation.

**1402 Elementary Spanish****TCCNS: SPAN 1412**

Prerequisite(s): SPA 1401.

Continuation of SPA 1401.

**1412 Accelerated Elementary Spanish**

Prerequisite(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 1401 and 1402 in only one semester. Fulfills the language requirement only when combined with SPA 2310 and 2320 (or the equivalent unless stipulated otherwise). As grammar is reviewed, emphasis is placed on the major skill areas (ACTFL Guidelines): reading, writing, listening, speaking, and cultural awareness.

**2310 Intermediate Spanish**

Prerequisite(s): SPA 1402 or 1412 or appropriate score on departmental placement exam or departmental consent.

Conversation, composition, cultural readings, and grammar review.

**2311 Intermediate Spanish for Teachers**

Prerequisite(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.

**2312 Intermediate Spanish for Business**

Prerequisite(s): SPA 1402 or SPA 1412; or appropriate score on departmental placement exam; or departmental approval.

Development of communication skills with a business context with attention to vocabulary building, grammar review, conversation, composition, and cultural readings. Designed primarily for students in the School of Business, this course may be substituted for SPA 2310 to fulfill the foreign language requirement in Arts and Sciences.

**2320 Intermediate Spanish**

Prerequisite(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 through selected readings in Hispanic literature.

**2321 Intermediate Spanish for Medical Professions**

Prerequisite(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.

**2322 Spanish for Christian Ministry**

Prerequisite(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.

**3302 Conversation and Composition**

Prerequisite(s): SPA 2320, 2321, or 2322; or appropriate score on departmental placement exam; or consent of division director.

A bridge course between second and fourth years in the development of oral and written proficiency in Spanish.

**3305 Introduction to Hispanic Literature**

Prerequisite(s): SPA 2320.

Introduction to the tools of literary criticism and practice in stylistic analysis of Spanish texts.

**3309 Introduction to Spanish Linguistics**

Prerequisite(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**

Prerequisite(s): SPA 2320 or consent of division director.

Study of Spanish history and culture.

**3311 Spanish-American Civilization**

Prerequisite(s): SPA 2320 or consent of division director.

Study of Spanish-American history and culture.

**3350 Survey of Spanish Literature through the Seventeenth Century**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): SPA 3305 or consent of division director.

Study of literary selections from 1880 to the present; readings, lectures, and reports.

**4303 Spanish Phonology and Morphophonology**

Prerequisite(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**

Prerequisite(s): SPA 3309.

Spanish word order and sentence formation, phrasal structures and constructions that are different from English.

**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.

**4330 Advanced Grammar, Composition and Conversation**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.**

Prerequisite(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.

**SPEECH COMMUNICATION (CSS)****1301 Fundamentals of Public Communication****TCCNS: SPCH 1311**

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.

**1302 Speech for Business and Professional Students****TCCNS: SPCH 1321**

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.

**1303 Basic Performance of Literature****TCCNS: SPCH 2341**

The performance of literature with an emphasis on nonverbal cues to meaning.

**1304 Argumentation, Discussion, and Debate****TCCNS: SPCH 2335**

A study of reflective thinking and intentional reasoning as applied to college discussion and debate. Application made to current topics.

**1305 Introduction to Communication Studies**

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.

**3124 Performance Practicum**

Prerequisite(s): CSS 1303 or consent of instructor.

Experience in performance and technical areas involved in directing or coordinating an interpreters theater show, reading hour series, or festival entry. (May be taken three times for credit.)

### **3247 Advanced Debate**

Prerequisite(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**

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**

Group interaction in decision-making and problem-solving situations associated with leadership, role development, and conflict management.

### **3305 Advanced Public Speaking**

Prerequisite(s): CSS 1301, 1302, or 1304.

Preparation and presentation of extemporaneous and written public speeches.

### **3306 Interviewing**

Application of communication theory to interview situations with emphasis on developing and using effective strategies.

### **3307 Legal Communication**

Prerequisite(s): CSS 1301 or 1302 or equivalent.

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.

### **3308 Technical Speaking**

Prerequisite(s): Upper-level standing.

This course will equip students in engineering or other technical disciplines for effective public communication. Students will design information and persuasive messages on technical subject matters, prepare and utilize computer-based visual illustrations. Focus will be on public speaking with some attention to Internet-based communication messages.

### **3310 Communication Theory**

Prerequisite(s): CSS 1301 or 1302.

Survey of the theories of human communication.

### **3311 Interpersonal Communication**

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**

Prerequisite(s): Three semester hours of communication studies or consent of instructor.

Nonverbal codes in human interaction in various communication situations.

### **3314 Cross-Cultural Communication**

The theory and research of cross-cultural communication, exploring similarities and differences in communication across cultures.

**3316 Persuasion and Communication**

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.

**3323 Advanced Performance: Poetry**

Prerequisite(s): CSS 1303 or consent of instructor.

Poetry analyzed with an emphasis on versification, emotion, and speaker position appropriately planned for creation of a performance stance.

**3393 Rhetoric and Contemporary Culture**

Prerequisite(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**

Prerequisite(s): CSS 1301 or 1302.

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**

Communication within the organization and its relationship to organizational structure, roles, leadership, and management orientations.

**4302 Communication Training and Development**

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.

**4303 Leadership and Communication**

Prerequisite(s): CSS 1301 or 1302.

The intersection between leadership and communication, emphasizing the theory, research, and practice of leadership communication.

**4304 Advanced Small Group Theory and Practice**

Prerequisite(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.

**4306 Advanced Interviewing**

Prerequisite(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**

Prerequisite(s): CSS 3304, 3306, 3311, or 3316; or consent of instructor.

The role of communication in managing conflict in interpersonal, group, organization, and community contexts.

**4312 Systemic Inquiry**

Prerequisite(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**

Prerequisite(s): Upper-level standing.

Survey of communication issues related to theory and research regarding relationships within the modern family system.

**4314 Communication Assessment in Organizational Settings**

Prerequisite(s): CSS 4301 or consent of instructor.

Design and implement a communication assessment of for-profit or non-profit organizations.

**4336 Seminar in Contemporary Communication Issues**

Prerequisite(s): Consent of instructor.

Seminar topics vary each semester. May be repeated once with change in topic.

**4351 Criticism of Contemporary Public Address (Cross-listed as PSC 4351)**

Prerequisite(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**

Prerequisite(s): CSS 1301, 1302; or 1304.

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)**

Prerequisite(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)**

Prerequisite(s): Upper-level standing.

Rhetorical strategies of African Americans, focusing on the historically important documents of oratory, argumentation, homiletic, and narrative.

**4380 Internship in Speech Communication**

Prerequisite(s): Fifteen hours in major and consent of division director for undergraduate students; consent of graduate director for graduate students.

Work at appropriate employment site for academic credit to accommodate career needs of speech communication students. Internships must be approved by the division director. May be repeated for a total of six hours. Graduate students will be limited to three hours.

**4394 Rhetorical Theory**

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**

Prerequisite(s): Upper-level standing or consent of instructor.

Theories and methodologies pertaining to visual rhetoric.

**4396 American Rhetoric (Cross-listed as AMS 4397)**

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**

Prerequisite(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**

Prerequisite(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 Speech Communication****1 to 6 sem. hrs.**

Prerequisite(s): Fifteen semester hours in communication studies.

A conference course designed to give individual students opportunities for additional work in their area of concentration in the speech communication division of the department. Two to three hours may be earned per semester. May be repeated once with change in content.

**STATISTICS (STA)****1301 Statistical Reasoning: A Guide to the Unknown**

Prerequisite(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.

**2381 Introductory Statistical Methods**

Prerequisite(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.

**3381 Probability and Statistics**

Prerequisite(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.

**4370 Sampling Techniques**

Prerequisite(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**

Prerequisite(s): STA 3381.

Terminology, techniques, and management of Data Mining for biostatisticians.

**4372 Introduction to Biostatistics**

Prerequisite(s): STA 3381.

Data Analysis for biostatisticians in the biomedical and pharmaceutical fields.

**4373 Computational Methods in Statistics**

Prerequisite(s): STA 3381.

Computational methods using statistical packages and programming.

**4374 Statistical Process Control**

Prerequisite(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**

Prerequisite(s): A minimum grade of C in either STA 2381 or STA 3381; or consent of instructor.

Development and application of two-sample inference, analysis of variance and multiple regression. Assumptions, diagnostics and remedial measures are emphasized. Computer statistics packages are utilized.

**4385 Mathematical Statistics I**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.**

Prerequisite(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.

**SWAHILI (SWA)****1401 Elementary Swahili**

Introduction to Swahili language and culture: pronunciation, grammar, reading of simple texts, and conversation.

**1402 Elementary Swahili**

Prerequisite(s): SWA 1401.

Continuation of SWA 1401.

**2310 Intermediate Swahili I**

Prerequisite(s): SWA 1402.

Conversation, composition, cultural readings, and grammar review.

**2320 Intermediate Swahili II**

Prerequisite(s): SWA 2310.

Continuation of SWA 2310.

**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.

**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.

**2112 Instructional Technology Lab II**

Prerequisite(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.

**2320 Teaching in the Elementary School**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**2350 Teaching Gifted and Talented**

Prerequisite(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 (Cross-listed as EDP 2360)**

Prerequisite(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**

Prerequisite(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 Educational Thought in the Western World**

This course will address the history of Western educational thought from the ancient Greek ideas of Plato and Aristotle to the modern naturalistic theories of Jean-Jacques Rousseau.

**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.

**3301 Early Literacy Learning**

Prerequisite(s): TED 2320, 2330, 2350, or 2360 or concurrent enrollment.

Preparation of preservice 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.

**3325 Literacy Instruction in the Elementary School**

Co-requisite(s): TED 3620 and 4302.

Prerequisite(s): TED 2320, 2330, or 2350.

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 3630.

Prerequisite(s): TED 2330 or 2340.

Introduction 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. Requires a field-experience in a local school. Concurrent enrollment in TED 3630 required.

**3340 Teaching Associate Secondary Part I**

Prerequisite(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.

**3341 Teaching Associate Secondary Part II**

Prerequisite(s): TED 2340 and 3340.

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.

**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.

**3367 Assessment of Students with Mild Disabilities**

Prerequisite(s): TED 2360.

A course focusing on formal and informal assessment currently in use 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.

**3380 Social Issues in Education**

This course will explore cultural and social issues that influence education.

**3381 Collaborative Consultation in Special Education**

A course emphasizing collaborative consultation processes with parents, teachers, support personnel, school administrators and students. Includes twenty hours of field experiences.

**3383 Secondary Mathematics Practicum I**

Co-requisite(s): TED 3340

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.

**3384 Secondary Mathematics Practicum II**

Co-requisite(s): TED 3341.

Prerequisite(s): TED 3340 and 3383.

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 3340.

Course combines a practicum in local secondary social studies classroom with lecture and discussion on adapting instruction to meet the needs of diverse students, strategies for large and small groups, technology in the classroom and teaching resources.

**3386 Secondary Social Studies Practicum II**

Co-requisite(s): TED 3341.

Prerequisite(s): TED 3340 and 3385.

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 I**

Co-requisite(s): TED 3340.

Course combines a practicum in a local school with lecture and discussion on adapting instruction to meet the needs of diverse students, strategies for large and small groups, technology in the classroom and the use of inquiry in science classes.

**3388 Secondary Science Practicum II**

Co-requisite(s): TED 3341.

Prerequisite(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 3340.

Course combines a practicum in a local school with lecture and discussion on adapting instruction to meet the needs of diverse students, strategies for large and small groups, and technology in the classroom in foreign language classes.

**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.

Prerequisite(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 3340.

Course combines a 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 large and small groups, teaching grammar, writing, and literature.

**3397 Secondary English Language Arts Practicum II**

Co-requisite(s): TED 3341.

Prerequisite(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 3340.

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.

**3399 Secondary Business Practicum II**

Co-requisite(s): TED 3341.

Prerequisite(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.

**3469 Literacy for Students with Special Needs**

Prerequisite(s): TED 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.

**3620 Teaching Associate Elementary School Part I**

Prerequisite(s): TED 2320 or 2350 or concurrent enrollment.

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. Course includes a weekly seminar.

**3621 Teaching Associate Elementary School Part II**

Co-requisite(s): TED 4326.

Prerequisite(s): TED 2320 or 2350 or concurrent enrollment.

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. Course includes a weekly seminar.

**3630 Teaching Associate Middle Grades Part I**

Prerequisite(s): TED 2330 or 2340.

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.

**3631 Teaching Associate Middle Grades Part II**

Prerequisite(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.

**3650 Teaching Associate Gifted Education Part I**

Prerequisite(s): TED 2350, 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.

**3651 Teaching Associate Gifted Education Part II**

Prerequisite(s): TED 2350 and 3650; and EDP 3324 and 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**

Prerequisite(s): TED 2360.

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.

**3661 Teaching Associate Special Education Part II**

Prerequisite(s): TED 2360.

Practicum of one hundred hours providing field experience in the instruction and management of students with moderate-severe disabilities. Course includes a weekly seminar.

**3670 Teaching Associate Physical Education Part I**

Prerequisite(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.

**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**

Co-requisite(s): TED 3325 and 3620.

Prerequisite(s): TED 3301 or concurrent enrollment.

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.

**4307 Science in the Elementary School**

Prerequisite(s): TED 2320, 2330, 2350, or 2360 or concurrent enrollment.

A study of the content of elementary science. Design and presentation of laboratory activities appropriate to various grade levels.

**4308 Social Studies in the Elementary School**

Prerequisite(s): TED 2320, 2330, 2350, or 2360 or concurrent enrollment.

The types, classification, and organization of social studies content. Emphasis on the integration of the historical, geographical, and civic content of the social studies.

**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 Teaching English in the Secondary School**

Instructional methods and teaching aids and materials for the teaching of English in grades 7-12. Contemporary concerns relevant to the curriculum development of the English language arts in the components of language, composition, and literature will be stressed.

**4325 Teaching Science in the Secondary School**

A survey of contemporary secondary school science programs (all sciences) emphasizing their philosophies, designs, and unique methods and strategies for teaching.

**4326 Mathematics in the Elementary Grades**

Co-requisite(s): TED 3621.

Prerequisite(s): TED 2320 or 2330.

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.

**4336 Mathematics in the Upper Elementary Grades**

Prerequisite(s): TED 2330 or TED 2340 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**

Prerequisite(s): TED 2330 or 2340.

A constructivist approach to help students develop knowledge of mathematics in grades four to eight. Teaching strategies are presented with developmental activities that can be used with middle grade students. Students will reflect on what it means to teach mathematics and explore the factors that influence teaching. The NCTM Standards for Grades four-eight will be emphasized. Includes laboratory experiences in teaching mathematics in middle grades.



**4341 Social Studies Curriculum**

Prerequisite(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 ideas will be investigated along with an analysis of the secondary mathematics curriculum. Candidates will reflect on what it means to teach mathematics and explore factors that influence teaching. The NCTM Standards will be emphasized. Includes laboratory experiences in teaching mathematics at the secondary school level.

**4349 Critical Issues in Mathematics Education**

Prerequisite(s): TED 2330 or 2340.

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.

**4350 Exceptionalities**

Prerequisite(s): TED 2350 or 2360.

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.

**4351 Differentiated Instruction**

Prerequisite(s): TED 2350 or 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.

**4355 Teaching Geography in the Social Studies**

Prerequisite(s): Upper-level standing or consent of instructor.

The focus of this course is to provide EC-4, 4-8, and 8-12 certificate level teacher education students an in-depth exploration of the curriculum and pedagogy of geography education in the social studies. Special emphasis will be given to developing curriculum and methodologies consistent with the five themes of the National Geography Standards.

**4397 Student Teaching in Private Schools**

Prerequisite(s): Concurrent enrollment in TED 4620, 4630, 4640, 4650, 4660, or 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**

Prerequisite(s): TED 3620, 3630, 3640, 3650, 3660 or 3670.

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.

Prerequisite(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.

Prerequisite(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.

Prerequisite(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.

Prerequisite(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.

Prerequisite(s): Grade of B or better in TED 3630 and TED 3631.

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.

**4631 Internship Middle Grades Part II**

Co-requisite(s): TED 4630.

Prerequisite(s): Grade of B or better in TED 3630 and 3631.

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.

**4632 Internship Middle Grades Part III**

Co-requisite(s): TED 4633.

Prerequisite(s): Grade of B or better in TED 3630 and 3631.

Continuation of TED 4630 and TED 4631.

**4633 Internship Middle Grades Part IV**

Co-requisite(s): TED 4632.

Prerequisite(s): Grade of B or better in TED 3630 and 3631.

Continuation of TED 4630 and TED 4631.

**4640 Internship Secondary Part I**

Co-requisite(s): TED 4641.

Prerequisite(s): Grade of B or better in TED 3340 and 3341.

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.

**4641 Internship Secondary Part II**

Co-requisite(s): TED 4640.

Prerequisite(s): Grade of B or better in TED 3340 and 3341.

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.

Prerequisite(s): Grade of B or better in TED 3340 and 3341.

Continuation of TED 4640 and TED 4641.

**4643 Internship Secondary Part IV**

Co-requisite(s): TED 4642.

Prerequisite(s): Grade of B or better in TED 3340 and 3341.

Continuation of TED 4640 and TED 4641.

**4650 Internship Gifted and Talented Part I**

Co-requisite(s): TED 4651.

Prerequisite(s): Grade of B or better in TED 3650 and 3651.

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): TED 4650.

Prerequisite(s): Grade of B or better in TED 3650 and 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.

**4652 Internship Gifted and Talented Part III**

Co-requisite(s): TED 4653.

Prerequisite(s): Grade of B or better in TED 3650 and 3651.

Continuation of TED 4650 and TED 4651.

**4653 Internship Gifted and Talented Part IV**

Co-requisite(s): TED 4652.

Prerequisite(s): Grade of B or better in TED 3650 and 3651.

Continuation of TED 4650 and TED 4651.

**4660 Internship Special Education Part I**

Co-requisite(s): TED 4661.

Prerequisite(s): Grade of B or better in TED 3660 and 3661.

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): TED 4660.

Prerequisite(s): Grade of B or better in TED 3660 and 3661.

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): TED 4663.

Prerequisite(s): Grade of B or better in TED 3660 and 3661.

Continuation of TED 4660 and TED 4661.

**4663 Internship Special Education Part IV**

Co-requisite(s): TED 4662.

Prerequisite(s): Grade of B or better in TED 3660 and 3661.

Continuation of TED 4660 and 4661.

**4670 Internship Physical Education Part I**

Co-requisite(s): TED 4671.

Prerequisite(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.

Prerequisite(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.

Prerequisite(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.

Prerequisite(s): Grade of B or better in TED 3670 and 3671.

Continuation of TED 4670 and TED 4671.

**4690 Secondary School Teaching**

Prerequisite(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**

Prerequisite(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**

Co-requisite(s): THEA 1301.

An introduction to the fundamentals of voice and movement for the actor with emphasis on freeing the natural voice and developing awareness of the voice and body as creative, expressive instruments. This course supports the work done in acting core courses.

**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**

Prerequisite(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.

**1104 Freshman Voice for Contemporary Musical Theatre**

Prerequisite(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.

**1206 Theater Appreciation**

Applicable toward fine arts-humanities requirements for Bachelor of Arts degree. Basic elements of theater: acting, design (costume, lighting, scene), directing, and dramatic literature.

**1301 Acting Realism: A Practical Approach**

Co-requisite(s): THEA 1101.

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.

**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.

**1312 Scenic Elements**

Basic course in stagecraft. Technical crew lab included. (Fee)

**1314 Acting for Non-Majors**

Physical and vocal exercises, improvisational activities and games, relaxation, rehearsal and performance of theatrical dialogue and monologues, and short written assignments. Does not count on basic fine arts requirement for B.A. degree.

**1316 Costume Elements**

Study and application of the theories and techniques of theatrical costuming and construction of theatrical clothing. Technical crew lab included. (Fee)

**1383 Drafting and Graphics for the Theater**

Introduction to theatrical hand drafting techniques, tools and standards, including fundamentals of graphic problem solving by visualization of elements in three dimensional space.

**2101 Applied Voice and Movement I**

Co-requisite(s): THEA 2301.

Prerequisite(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**

Prerequisite(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**

Prerequisite(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.

**2104 Sophomore Voice for Contemporary Musical Theatre**

Prerequisite(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.

**2113 Workshop in Traditional Musical Theatre I**

Prerequisite(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.

**2114 Workshop in Contemporary Musical Theatre I**

Prerequisite(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.

**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**

Prerequisite(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 Auditioning and the Business of Acting**

Co-requisite(s): THEA 2101.

Prerequisite(s): THEA 1302.

An introduction to the business side of theatre and the various types of theatrical auditions, including cold readings, prepared monologues, improvisation, music and dance auditions.

**2302 Acting: Shakespeare**

Prerequisite(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.

**2316 Stage Makeup**

Study and application of theories and techniques of theatrical makeup. Technical crew laboratory included. (Fee)

**2371 Lighting Elements**

General principles and practices of stage lighting. Technical crew laboratory included. (Fee)

**2374 Theater History I**

**TCCNS: DRAM 2361**

Historical investigation of theatre practice, performance, and dramatic literature from ancient times through the Renaissance.

**2375 Theater History II**

**TCCNS: DRAM 2362**

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, Rendering, and Modeling**

Principles and practices of drawing, rendering, and modeling techniques used for the theater.

**2390 Stage Management**

The art and craft of stage management, including the role and responsibilities of the stage manager.

**3103 Junior Voice for Traditional Musical Theatre**

Prerequisite(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.

**3104 Junior Voice for Contemporary Musical Theatre**

Prerequisite(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.

**3105 Production Lab I**

Prerequisite(s): Junior standing.

Evaluation of acting and crew work for all major productions, thesis production, qualifying productions, and weekly workshops.

**3106 Production Lab II**

Prerequisite(s): Junior standing and THEA 3105.

Continuation of THEA 3105.

**3113 Workshop in Traditional Musical Theatre II**

Prerequisite(s): THEA 2113 and consent of instructor.

A continuation of THEA 2113.

**3114 Workshop in Contemporary Musical Theatre II**

Prerequisite(s): THEA 2114 and consent of instructor.

A continuation of THEA 2114.

**3297 Tap I**

Prerequisite(s): THEA 2298.

Tap with an emphasis on the basic steps, rhythms, and music theory related to the dance.

**3298 Ballet II**

Prerequisite(s): THEA 2298.

A continuation of Ballet I, refining technique and developing broader ranges of movement.

**3301 Acting: Advanced Realism**

Prerequisite(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.

**3302 Acting: Period Styles**

Prerequisite(s): THEA 1301, 1302, 2301, 2302 and consent of instructor.

An application of Stanislavski's periods of preparation to a range of historic works. Scenes and monologues may draw from a variety of periods including Greek, Medieval, Elizabethan, Restoration, and Romantic plays.

**3303 Theatre for Young Audiences**

Prerequisite(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.

**3304 Acting: Playwright Study**

Prerequisite(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).

**3316 Advanced Costume Construction Techniques**

Prerequisite(s): THEA 1316.

Technical skills with emphasis on interpreting two-dimensional drawings into three-dimensional costumes.

**3322 History of Costume**

A study of dress from Egyptian times to the twentieth century.

**3324 Directing I/Script Analysis**

Prerequisite(s): THEA 1301 and upper-level standing.

A study of play analysis for beginning directors. Workshop laboratory required. (Fee)

**3325 Directing II**

Prerequisite(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)

**3326 Costume Design**

Prerequisite(s): THEA 1312, 1316 and 2371.

Development and execution of scenic designs for a variety of theatrical situations. Lectures, design projects, critiques, and discussions. (Fee)

**3333 Theatre in Cultural Context**

Prerequisite(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.

**3363 Metal-Working for the Theatre**

Prerequisite(s): THEA 1312.

Prepares students for various aspects of metal-working for the theatre, including safety, welding, cutting, and shaping.

**3370 Scene Design**

Prerequisite(s): THEA 1312, 1316, 2371 and 2383; and upper level standing.

Survey of theatrical design and scene designers, and the realization of students' designs as floor plans, renderings, and models.

**3371 Lighting Design**

Prerequisite(s): THEA 1312, 1316 and 2371.

Lighting design in theatrical production and as an artistic tool in manipulating three dimensional space.

**3372 Scene Painting**

Prerequisite(s): THEA 1312; upper-level standing.

Introduction to large scale painting. Students execute texture techniques.

**3380 Sound Design**

Prerequisite(s): THEA 1312, 1316 and 2371.

Sound design in theatrical production and as an artistic tool in manipulating a three dimensional space.



**3383 CAD/CAM Design**

Prerequisite(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.

**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.

**4102 Theatre in the Professional World**

Prerequisite(s): Senior standing and consent of instructor.

Prepares majors for the transition from academia to the professional arena.

**4103 Senior Voice for Traditional Musical Theatre**

Prerequisite(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.

**4104 Senior Voice for Contemporary Musical Theatre**

Prerequisite(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.

**4107 Production Lab III**

Prerequisite(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**

Prerequisite(s): Senior standing and THEA 3106.

A continuation of production methods learned in THEA 3106.

**4113 Workshop in Traditional Musical Theatre III**

Prerequisite(s): THEA 3113 and consent of instructor.

A continuation of THEA 3113.

**4114 Workshop in Contemporary Musical Theatre III**

Prerequisite(s): THEA 3114 and consent of instructor.

A continuation of THEA 3114.

**4190 Portfolio Development**

Prerequisite(s): Consent of instructor.

Development of design portfolios and presentation skills needed for professional employment in theatrical design.

**4297 Jazz II**

Prerequisite(s): THEA 2298 and 2299.

Continuation of Jazz I, refining technique and exploring different styles of jazz and character dance.

**4298 Tap II**

Prerequisite(s): THEA 3297.

Continuation of Tap I, refining technique and exploring advanced rhythms and steps.

**4301 Acting for the Camera**

Prerequisite(s): THEA 1301, 2101, 2301, 2302, 3301, and 3302.

Preparation for professional performance in television and film.

**4326 Advanced Costume Design**

Prerequisite(s): THEA 3326.

Advanced principles and practices of costume design, with an emphasis on the design team/director collaboration.

**4335 Creative Dramatics**

Prerequisite(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**

Prerequisite(s): THEA 2371.

Design techniques and the programming of automated lighting fixtures on various lighting consoles.

**4365 Advanced Directing I**

Prerequisite(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)

**4366 Advanced Directing II**

Prerequisite(s): THEA 4365.

Continuation of THEA 4365. Workshop required. (Fee)

**4370 Advanced Scene Design**

Prerequisite(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)

**4371 Advanced Lighting Design**

Prerequisite(s): THEA 3371.

Developing and executing lighting designs for a variety of situations. Lectures, design projects, cue composition, and critique and discussion.

**4373 Playwriting**

Prerequisite(s): THEA 3324.

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.

**4376 Theater History III**

Prerequisite(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**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): THEA 2374, 2375, and 4378.

Topics related to leading contemporary playwrights, current issues of dramatic style, and emerging trends in theatrical practice.

**4380 Performing Arts Management**

Prerequisite(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**

Prerequisite(s): THEA 3380.

Continuation of THEA 3380. The role of sound and the sound designer and equipment and technology as a part of the resource pool available.

**4390 Advanced Stage Management**

Prerequisite(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.

**4395 Stage Combat**

Prerequisite(s): THEA 1101, 1102, 2102, or consent of instructor; upper-level standing.

Actor movement in stage combat, especially hand-to-hand, rapier, and rapier/dagger. Emphasis on proper technique, safety and theatricality.

**4398 Technical Direction for Theater**

Prerequisite(s): THEA 1312, 1316, 1383, and 2371.

The four basic areas of technical direction: the creation of technical drawings, the estimating of a set, the choice of materials used in the theater, and the scheduling of the building of sets for the theater.

**4V85 Special Topics in Technical Theater for Non-Majors****1 to 3 sem. hrs.**

Prerequisite(s): Consent of instructor.

Students will explore practical issues of technical theater through application in departmental productions. Course may be repeated once for credit.

**4V99 Special Studies in Theater Arts for Majors**

Prerequisite(s): Senior standing and consent of instructor.

Advanced studies in special theater topics. May be repeated for up to six hours credit.

**4VC5 Production Capstone**

Prerequisite(s): Senior standing and consent of instructor.

Advanced practicum in production performance design technical theater or management. May be repeated with different topic not to exceed six credit hours.

**UNIVERSITY SCHOLARS (UNSC)****3001 Exit Interview**

Prerequisite(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**

Prerequisite(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**

Prerequisite(s): UNSC 3001 or consent of instructor.

Submission of an introductory chapter and bibliography for thesis.

### **4302 Senior Thesis**

Prerequisite(s): UNSC 4101 or consent of instructor.

Completion of thesis and approval by assigned committee.

### **4V01 University Scholars Independent Study**

Prerequisite(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.

## **UNIVERSITY STUDIES (UST)**

### **1V10 Beginning Science**

**1 to 3 sem. hrs.**

Beginning science for summer program students.

### **2300 Introduction to Women's Studies**

Introduction to women's studies as a foundation for courses in various departments. Focus on historical roots of feminism and contemporary gender issues.

### **3300 Perspectives of Literature in Translation (Cross-listed as MFL 3300)**

See MFL 3300 for course information.

### **3350 Cultural History of Western Civilization**

A study of the arts of Western Civilization (sculpture, painting, architecture, music, and literature) from the Classical Ideals of Greece to modern, twentieth-century Europe.

### **4301 Milestones in the Sciences**

Prerequisite(s): Senior standing.

An interdisciplinary synthesis of scientific knowledge presented on a chronological frame, surveying great people in the history of science and great moments in scientific achievements from the dawn of civilization to the present time.

### **4302 Milestones in the Humanities**

Prerequisite(s): Senior standing.

An interdisciplinary synthesis of the humanities presented in a chronological frame, surveying great people and significant developments in the humanities from the dawn of civilization to the present time.



# 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.*
- S. Jane Abbott-Kirk, M.M.**, Associate Professor of Piano. (1973)  
B.M., Indiana U.; M.M., *ibid.*
- Erika L. Abel, Ph.D.**, Lecturer in Biology. (2011)  
B.S., Texas A&M U.; Ph.D., U. of Washington.
- Rita Abercrombie, M.A.T.**, Senior Lecturer in German. (2003)  
B.A., Southwest Texas State U.; M.A.T., *ibid.*
- L. Joseph Achor, Ph.D.**, Associate Professor of Psychology and Neuroscience. (1978)  
B.A., U. of California at Los Angeles; M.A., *ibid.* Ph.D., U. of California at Irvine.
- Tamarah L. Adair, Ph.D.**, Senior Lecturer in Biology. (1998)  
B.S., Baylor U.; M.S., *ibid.*; Ph.D., *ibid.*
- Linda S. Adams, Ph.D.**, Professor of Political Science and Director of the International Studies Program. (1990)  
B.A., U. of South Carolina; M.A., *ibid.*; Ph.D., *ibid.*
- Robert P. Adams, Ph.D.**, Research Professor of Biological Science. (1987-2001, 2002)  
B.S., U. of Texas, Austin; Ph.D., *ibid.*
- Martha C. Agee, J.D.**, Senior Lecturer in Business Law. (1999)  
B.B.A., Baylor U.; J.D., *ibid.*
- John S. Agor, LTC, USA**, Professor of Military Science. (2007)  
B.A., Purdue U.; M.B.A., U. Scranton, PA.
- Jesse T. Airaudi, Ph.D.**, Senior Lecturer in English. (1976)  
B.A., U. of Illinois; M.A., U. of Texas; Ph.D., *ibid.*
- Kara Alexander, Ph.D.**, Assistant Professor of English. (2006)  
B.S., Abilene Christian U.; M.A., *ibid.*; Ph.D., U. of Louisville.
- Michael Alexander, D.M.A.**, Assistant Professor of String Music Education. (2006)  
B.M.E., Southwester U.; M.M., Sam Houston State U.; D.M.A., U. of Houston.
- Sara E. Alexander, Ph.D.**, Chair and Associate Professor of Anthropology and Director of Institute of Archaeology. (1991-1995†, 1995)  
B.A., Baylor U.; M.A., U. of Kentucky; Ph.D., *ibid.*
- Peter M. Allen, Ph.D.**, Professor of Geology. (1978)  
B.A., Denison U.; M.S., Baylor U.; Ph.D., Southern Methodist U.
- Stephanie S. Allen, M.S.**, Senior Lecturer in Nursing. (1990)  
B.S., Texas Woman's U.; M.S., *ibid.*
- Dwight D. Allman, Ph.D.**, Associate Professor of Political Science. (1995)  
B.A., Brigham Young U.; M.A., U. of Chicago; Ph.D., *ibid.*
- Andru S. Anderson, M.A.**, Lecturer in Communication. (2008)  
B.A., Baylor U.; M.A., *ibid.*
- Mark W. Anderson, M.F.A.**, Chair and Professor of Art. (2010)  
B.F.A., U. of Nebraska; M.F.A., Wichita State U.
- William C. Anderson, Ph.D.**, Assistant Professor of Mechanical Engineering. (2011)  
B.E.S., James Cook U.; M.S., Texas Tech U.; M.S.M.E., Johns Hopkins U.; Ph.D., Johns Hopkins U.
- Benjamin S. Arbuckle, Ph.D.**, Assistant Professor of Anthropology. (2006†, 2007)  
B.A., College of William and Mary; M.A., Harvard U.; Ph.D., *ibid.*
- Wickramasinghe Ariyasinghe, Ph.D.**, Associate Professor of Physics. (1992-2002†, 2002)  
B.S., U. of Sri Lanka; M.S., Bowling Green State U.; Ph.D., Baylor U.
- David M. Arnold, Ph.D.**, Professor and The Ralph and Jean Storm Professor of Mathematics. (1990)  
B.A., Wichita State U.; M.A., Western Washington State U.; Ph.D., U. of Illinois.
- Patricia Arredondo, M.S.Ed.**, Lecturer in Educational Psychology. (1987)  
B.A., Baylor U.; M.S.Ed., *ibid.*

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†Lecturer

- Santos H. Arroyo, Major, USA.**, Assistant Professor of Military Science. (2012)  
B.S., Cameron U.; M.P.A., U. of Oklahoma.
- Kendall W. Artz, Ph.D.**, Professor and Chair of Management and Entrepreneurship and Director of Entrepreneurial Studies Program. (1995)  
B.S., Montana State U.; M.B.A., Arizona State U.; Ph.D., Purdue U.
- 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 Geology. (1995)  
B.S., Baylor U.; M.S., *ibid.*; Ph.D., U. of Nebraska.
- Kae Hosada Ayer, D.M.A.**, Lecturer in Collaborative Piano. (2006)  
B.M., Toho Gakuen School of Music, Tokyo; M.M., New England Conservatory of Music; Graduate Performances Diploma, *ibid.*; D.M.A., U. of Texas, Austin.
- Susan G. Bader, M.L.S., A.H.I.P.**, Director, Learning Resource Center, Louise Herrington School of Nursing.  
B.A., U. of Missouri, St. Louis; M.L.S., U. of Missouri.
- D. Ray Bagby, Ph.D.**, Associate Professor of Management and holder of The Robert M. and Louise Rogers Chair in Entrepreneurship. (1988)  
B.S., U. S. Military Academy; M.B.A., U. of South Carolina; Ph.D., *ibid.*
- Janet H. Bagby, Ph.D.**, Senior Lecturer in Educational Psychology. (1989)  
B.S., U. of Alabama, Birmingham; M.Ed., *ibid.*; Ph.D., Baylor U.
- Abjar Bahkou, Ph.D.**, Lecturer in Arabic. (2009)  
B.A., Salesian Pontifical U.; M.A., *ibid.*; Southwestern Baptist Theological Seminary; Ph.D., Salesian Pontifical U.; Ph.D., Pontifical Institute of Arabic and Islamic Studies.
- Margaret E. Baier, Ph.D.**, Assistant Professor of Family and Consumer Sciences. (2002)  
B.S., Baylor U.; M.S., Texas Tech U.; Ph.D., *ibid.*
- Robert M. Baird, Ph.D.**, Professor of Philosophy, Master Teacher and University Ombudsperson. (1960-1961, 1968)  
B.A., Baylor U.; MA., *ibid.*; B.D., Southern Baptist Theological Seminary; Ph.D., Emory U.
- Betty Ruth Baker, M.Ed.**, Assistant Professor of Curriculum and Instruction. (1971)  
B.A., Baylor U.; M.Ed., *ibid.*
- Clark Baker, Ph.D.**, Associate Professor of Journalism, Public Relations and New Media. (1993)  
B.S., California Polytechnic State U.; M.A., U. of Texas; Ph.D., U. of Alabama.
- Erich J. Baker, Ph.D.**, Associate Professor of Bioinformatics. (2002)  
B.A., U. of Notre Dame; M.S., Barry U.; Ph.D., U. of Tennessee, Knoxville.
- Lisa C. Baker, Ph.D., M.D.**, Clinical Professor in the Honors Program in the Honors College. (2007-2008<sup>†</sup>, 2008)  
B.A., Baylor U.; M.S., Purdue U.; Ph.D., *ibid.*, M.D., U. of Oklahoma.
- Lori E. Baker, Ph.D.**, Associate Professor of Anthropology. (2002)  
B.A., Baylor U.; M.A., *ibid.*; Ph.D., U. of Tennessee.
- Lynne R. Baker, Ph.D.**, Lecturer in Environmental Science. (2009)  
B.A., U. of Northern Colorado; Ph.D., U. of Minnesota.
- Robert S. Baldridge, Ph.D.**, Professor of Biology. (1978-1980<sup>†</sup>; 1980)  
B.S., Baylor U.; M.S., Kansas State U.; Ph.D., *ibid.*
- Jane N. Baldwin, Ph.D.**, Professor of Accounting, holder of The Ernst and Young Teaching Fellowship, and Director of Graduate Programs in Accounting. (1981)  
B.S., Arkansas Tech U.; M.B.A., Baylor U.; Ph.D., U. of Arkansas.
- Erma Ballenger, Ph.D.**, Lecturer and Director of Field Education-Advanced Practice. (2007)  
B.A., U. of Colorado, Boulder, M.S.W., U. of Nebraska, Lincoln; Ph.D., *ibid.*
- Robbie B. Barber, M.F.A.**, Associate Professor of Art. (2000)  
B.F.A., East Carolina U.; M.F.A., U. of Arizona.
- James E. Barcus, Ph.D.**, Professor of English. (1978, 1980)  
B.A., Houghton College; M.A., U. of Kentucky; Ph.D., U. of Pennsylvania.
- Lucy M. Barnard-Brak, Ph.D.**, Assistant Professor of Educational Psychology. (2008)  
B.A., U. of North Texas; M.Ed., Texas Tech U.; Ph.D., *ibid.*
- Rachel E. Barnett, M.F.A.**, Lecturer in Theatre Arts. (2010)  
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<sup>†</sup>Lecturer



- Beth A. Barr, Ph.D.**, Assistant Professor of History. (2006)  
B.A., Baylor U.; M.A., U of North Carolina, Chapel Hill; Ph.D., *ibid*.
- Rosalie Barrera, M.A.**, Senior Lecturer in Spanish. (2002)  
B.A., Williams College; M.A., Baylor U.
- Joan P. Barrett, M.A.**, Senior Lecturer in Spanish. (1999)  
B.A., Baylor U.; M.A., *ibid*.
- Lauren A. Barron, M.D.**, Lecturer in the Medical Humanities Program. (2011)  
B.A., Baylor U.; M.D., U. of Texas Health Science Center.
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B.A., U. of North Dakota; M.M., *ibid*; M.A., Eastman School of Music; Ph.D., *ibid*.
- E. Jeter Basden, Ed.D.**, Professor of Religion and the Raymond O. Hubler Chair of Ministry Guidance. (1989)  
B.A., Baylor U.; M.R.E., Southwestern Baptist Theological Seminary; Ed.D., U. of North Texas.
- Jeff D. Bass, Ph.D.**, Professor of Communication. (1981)  
B.A., Baylor U.; M.S., U. of North Texas; Ph.D., U. of Iowa.
- Elizabeth M. Bates, Ph.D.**, Assistant Professor of Journalism, Public Relations and New Media. (2010)  
B.A., Sul Ross State; M.A., Texas Tech U.; Ph.D., Texas Tech U.
- Larry T. Bates, LL.M.**, Professor of Law. (1996)  
B.A., U. of Minnesota; J.D., Marquette U. School of Law, LL.M., Harvard Law School.
- Charles P. Baylis, Ph.D.**, Assistant Professor of Electrical and Computer Engineering. (2008)  
B.S., U. of South Florida; M.S., *ibid*; Ph.D., *ibid*.
- Claudia C. Beal, Ph.D.**, Assistant Professor in Nursing. (2011).  
B.A., Columbia U.; M.S.N., Emory U.; Ph.D., U. of Texas, Austin.
- 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.
- Lydia Bean, Ph.D.**, Assistant Professor in Baylor Interdisciplinary Core and Sociology in the Honors College. (2009)  
B.A., Austin College; A.M., Harvard U.; Ph.D., *ibid*.
- Michael D. Beaty, Ph.D.**, Professor and Chair 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.**, Assistant Professor of Educational Psychology. (2006)  
B.A., Cedarville U.; M.A., U. of Missouri, Columbia; Ph.D., *ibid*.
- Matthew A. Beauregard, Ph.D.**, Post-Doctoral Fellow in Mathematics. (2010)  
B.S., U. of New Hampshire; M.S., U. of Arizona; Ph.D., *ibid*.
- Rosalie Beck, Ph.D.**, Associate Professor of Religion. (1984)  
B.A., U. of California, San Diego; M.Div., Southwestern Baptist Theological Seminary; Ph.D., Baylor U.
- Aaron Becker, Ph.D.**, Visiting Professor of Information Systems. (2009)  
B.B.A., U. of Oklahoma; M.B.A., *ibid*. Ph.D., *ibid*.
- Francis J. Beckwith, Ph.D.**, Professor of Philosophy. (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.
- Darrin J. Bellert, Ph.D.**, Assistant Professor of Chemistry. (2003)  
B.S., Wright State U.; Ph.D., U. of Florida.
- William H. Bellinger, Jr., Ph.D.**, Professor and Chair of Religion, and holder of the W. Marshall and Lulie Craig Chair of Bible. (1984)  
B.A., Furman U.; M.Div., Southeastern Baptist Theological Seminary; Ph.D., U. of Cambridge.
- Helen E. Benedict, Ph.D.**, Professor of Psychology and Director of Clinical Training in Clinical Psychology. (1981)  
B.A., Connecticut College; Ph.D., Yale U.
- Gregory A. Benesh, Ph.D.**, Professor and Chair of Physics. (1982)  
B.A., Rice U.; M.S., Northwestern U.; M.S., Baylor U.; Ph.D., Northwestern U.
- 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*.
- Eileen M. Bentsen, M.L.S.**, Associate Librarian, References Librarian. (2006)  
B.A., C.W. Post College; M.L.S., Long Island U.; M.A., New York U.; M.Phil., *ibid*.

- Bruce Berg, D.M.A.**, Professor of Violin. (1994)  
B.S., Juilliard School of Music; M.M., *ibid.*; D.M.A., *ibid.*
- Peter L. Berger, Ph.D.**, Distinguished Professor of Sociology. (2009)  
B.A., Wagner College; M.A., New School for Social Research; Ph.D., *ibid.*
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- Valerie Trousdale, M.S.N.**, Lecturer in Nursing. (2002)  
B.S., Baylor U.; B.S.N., *ibid.*; M.S.N., *ibid.*
- Jonathan K. Trower, Ph.D.**, Associate Professor of Information Systems and Director of Information Systems Graduate Programs. (1986)  
B.A., Drury College; M.B.A., Baylor U.; Ph.D., U. of Minnesota.
- Stephen J. Trumble, Ph.D.**, Assistant 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.**, Assistant Professor of Psychology and Neuroscience. (2002)  
B.A., U. of California, Berkeley; M.A., U. of Kansas; Ph.D., *ibid.*
- Jack D. Tubbs, Ph.D.**, Professor and Chair of Statistical Science. (2003)  
B.S., Eastern New Mexico U.; M.S., Texas Tech U.; Ph.D., *ibid.*
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B.S., Baylor U.; M.S.N., Georgia College & State U.
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A.B., Princeton U.; 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.
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A.B., Hamilton College; M.A., Rice U.; Ph.D., *ibid.*
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B.S., Baylor U.; J.D., *ibid.*; M.S., *ibid.*; M.A., *ibid.*; Ph.D., *ibid.*
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B.S., Louisiana State U.; M.S., *ibid.*; Ph.D., *ibid.*

- Karl A. Umlauf, M.F.A.**, Professor of Art and Artist-in-Residence. (1989)  
B.F.A., U. of Texas; M.F.A., Cornell U.
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B.M., Oklahoma Baptist U.; M.M., U. of Cincinnati, College Conservatory of Music.
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B.S., Oregon State U.; Ph.D., *ibid.*
- Philip M. Van Auken, Ph.D.**, Professor of Management. (1978)  
B.A., U. of Texas, El Paso; M.B.A., Texas Tech U.; Ph.D., *ibid.*
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B.A., Oral Roberts U.; M.A., Asbury Theological Seminary; Ph.D., Queen's U. of Belfast, Ireland.
- Kenneth W. Van Treuren, Ph.D.**, Professor of Mechanical Engineering and Associate Dean for Research and Faculty Development. (1998)  
B.S., USAF Academy; M.S.E., Princeton U.; D.Phil., U. of Oxford, UK.
- David D. VanHoose, Ph.D.**, Professor of Economics and holder of The Herman W. Lay Chair of Private Enterprise. (2001)  
B.A., Indiana U.; Ph.D., U. of North Carolina, Chapel Hill.
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B.S., Illinois State U.; Ph.D., The U. of Iowa.
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B.S., Baylor U.; M.A., *ibid.*
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B.S., Baylor U.; Ph.D., *ibid.*
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B.S., Baylor U.; M.S., *ibid.*; Ph.D., U. of Texas, Arlington.
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B.A., Baylor U.; M.A., U. of Houston; Ph.D., Northern Illinois U.
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B.S., East Carolina U.; M.A., *ibid.*; Ph.D., U. of South Florida.
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B.A., Tarleton State U.; M.S., U. of Nebraska at Omaha; Ph.D., Texas A&M U., Commerce.
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B.S., U. of Houston; M.Ed., *ibid.*; Ph.D., Iowa State U.
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B.A., Louisiana Tech U.; M.A., U. of Denver; Ph.D., Indiana U.
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B.S., Shandoug Normal U.; M.S., Northwest Normal U.; Ph.D., U. of Ioannina.
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B.S., Baylor U.; M.S., Texas Tech U.; Ph.D., *ibid.*
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B.A., U. of Akron; M.A., U. of Pennsylvania; M.L.I.S., Kent State U.
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B.A., Baylor U.; M.Div., Southwestern Baptist Theological Seminary; M.Ed., Texas Christian U.; Ph.D., Baylor U.
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B.S.Ed., Baylor U.; M.S.Ed., *ibid.*; Ph.D., U. of Tennessee.
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B.S., Texas A&M U.; M.B.A., Pennsylvania State U.; Ph.D., Texas A&M U.
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B.A., Morehead State U.; M.A., Baylor U.; Ph.D., State U. of New York, Buffalo.
- Lesley M. Wright, Ph.D.**, Assistant Professor in Mechanical Engineering (2008)  
B.S., Arkansas State U.; M.S., Texas A&M U.; Ph.D., *ibid.*
- Lori B. Wrzesinski, M.S.**, Senior Lecturer in American Sign Language and Director of American Sign Language Programs. (1994)  
B.A., U. of Texas, Arlington; M.S., Baylor U.
- Ju-Chien (Cindy) Wu, Ph.D.**, Associate 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.*
- Gaynor I. Yancey, D.S.W.**, Professor of Social Work. (1999)  
B.A., East Texas Baptist U.; M.R.E., Southwestern Baptist Theological Seminary; M.S.W., Temple U.; D.S.W., U. of Pennsylvania.
- Vincent Yang, Ph.D.**, Associate Professor of Chinese. (1996)  
B.A., National Taiwan U.; M.A., *ibid.*; M.A., Rutgers U.; Ph.D., *ibid.*
- Allison R. Yanos, M.L.S.**, Assistant Librarian and Catalog Librarian. (2006)  
B.A., U. of Notre Dame; M.L.S., Indiana U.
- Mary Ann Yantis, Ph.D.**, Associate Professor of Nursing. (2000)  
B.S.N., Northeast Louisiana U.; M.S.N., Texas Woman's U.; Ph.D., *ibid.*
- Joe C. Yelderman, Jr., Ph.D.**, Professor of Geology, Director of Baylor's Wastewater Research Program, and Graduate Program Director for TIEEES. (1983)  
B.S., Baylor U.; M.S., *ibid.*; Ph.D., U. of Wisconsin.
- Jeong-Ju Yoo, Ph.D.**, Assistant Professor of Family and Consumer Sciences. (2009)  
B.A., Seattle Pacific U.; A.A.S., Fashion Institute of Technology; M.A., Cornell U.; Ph.D., U. of Minnesota.
- Terry W. York, D.M.A.**, Associate Professor of Christian Ministry and Church Music. (1998)  
B.A., California Baptist College; M.C.M., New Orleans Baptist Theological Seminary; D.M.A., *ibid.*
- Dean M. Young, Ph.D.**, Professor of Statistical Science. (1980)  
B.S., Texas Tech U.; M.S., Baylor U.; M.S., U. of Texas, Dallas; Ph.D., *ibid.*

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B.M., Greensboro College; M.A., U. of North Carolina, Chapel Hill; Ph.D., *ibid.*

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B.S., Lanzhou U.; M.S., *ibid.*, Ph.D., Institute of Physics, Chinese Academy of Science.

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## EMERITI FACULTY

**Bill T. Adams, Ph.D.**, Professor of Physics. (1962-2000)

B.S., Baylor U.; M.S., *ibid.*; Ph.D., U. of Kansas.

**Sudie M. Adams, M.A.**, Associate Professor of Spanish and Portuguese. (1946-1954, 1959-1980)

B.A., Baylor U.; M.A., *ibid.*

**A. Dale Allen, Ph.D.**, Professor of Management. (1978-2002)

B.S., Indiana U.; M.B.A., *ibid.*; D.B.A., U. of Colorado; Ph.D., *ibid.*

**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.

**Paul T. Armitstead, Ph.D.**, Professor of History. (1961-2002)

B.A., U. of Nebraska; M.A., U. of Texas; Ph.D., *ibid.*

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B.M., U. of Illinois; M.S. Music, Juilliard School of Music; D.M.A., U. of Illinois.

**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.*

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B.S., Ohio U.; M.S., U. of Wisconsin; Ph.D., *ibid.*

**Weldon E. Beckner, Ed.D.**, Professor of Educational Administration. (1995)

B.S., Wayland Baptist U.; M.Ed., Texas Tech U.; Ed.D., U. of Colorado.

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B.S., Baylor U.; M.S., Wichita State U.; Ph.D., U. of Wisconsin.

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B.M.E., Madison College; M.M., Baylor U.; Ph.D., U. of Texas.

**Mary A. Booras, M.A.**, Associate Professor of Speech Communication. (1956-1995)

B.S., Auburn U.; M.A., U. of Alabama.

**James Breckenridge, Ph.D.**, Professor of Religion. (1974-1997)

B.A., Biola College; B.D., California Baptist Theological Seminary; M.A., U. of Southern California; Ph.D., *ibid.*

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B.S., Baylor U.; M.S., U. of Kansas; Ph.D., U. of Alaska, Fairbanks.

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B.A., Randolph-Macon Woman's College; Ph.D., Florida State U.

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B.A., Baylor U.; M.A., U. of Texas; Ph.D., *ibid.*
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B.B.A., U. of Texas; M.B.A., U. of North Texas; Ph.D., U. of Arkansas, Fayetteville.
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B.S., Virginia Polytechnic and State U.; M.B.A., U. of Virginia; Ph.D., U. of Washington.
- C. Wallace Christian, Ph.D.**, Professor of Religion. (1957-1998)  
B.A., Baylor U.; M.A. *ibid.*; B.D., Southwestern Baptist Theological Seminary; Ph.D., Vanderbilt U.
- 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.*
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B.A., Baylor U.; M.A., *ibid.*; Ph.D., U. of Pennsylvania.
- Alan N. Cook, Ph.D.**, Professor of Finance. (1969-2003)  
B.B.A., Baylor U.; M.S., *ibid.*; Ph.D., U. of Arkansas.
- Bill G. Cook, M.F.A.**, Professor of Theatre Arts. (1963-2006)  
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- 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.
- Douglas W. Crow, Ph.D.**, Professor of German and Sculptor-in-Residence. (1970)  
B.A., U. of Oklahoma; M.A., U. of Texas; Ph.D., Louisiana State U.
- Wallace L. Daniel, Jr., Ph.D.**, The Ralph L. and Bessie Mae Lynn Professor of History. (1971-2008)  
B.A., Baylor U.; M.A., U. of Texas; Ph.D., *ibid.*
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B.S., Southern Methodist U.; M.S., *ibid.*; Ph.D., *ibid.*
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B.A., U. of Cincinnati; M.A., *ibid.*; Ph.D., *ibid.*
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B.S., Tennessee Technological U.; M.S., Auburn U.; Ph.D., *ibid.*
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- Elizabeth S. Githens, M.A.**, Professor of English. (1945-1969)  
B.A., Blue Mountain College; M.A., Baylor U.
- Thomas T. Goforth, Ph.D.**, W. M. Keck Foundation Professor of Geophysics. (1987-2007)  
B.S., Baylor U.; M.A., U. of Texas; Ph.D., *ibid*.
- Clement T. Goode, Ph.D.**, Professor of English. (1957-1997)  
B.A., Hendrix College; M.A., Vanderbilt U.; Ph.D., *ibid*.
- Loyal N. Gould, Ph.D.**, The Fred Hartman Emeritus Professor of Journalism. (1974-1996)  
B.A., Florida State U.; M.A., U. of North Carolina; Ph.D., *ibid*.
- Johanna Guenther, Ph.D.**, Associate Professor of Nursing and Director of Learning Resources. (1980-2003)  
B.A., Case Western Reserve U.; M.L.S., U. of North Texas; Ph.D., U. of North Texas.
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B.S., Baylor U.; M.S., Texas Woman's U.; Ph.D., *ibid*.
- Donald L. Hardcastle, Ph.D.**, Professor of Physics. (1967-2005)  
B.S. Texas Tech U. *ibid*; M.S., *ibid*; Ph.D., Texas A&M U.
- Thomas Harrison, Jr., Ph.D.**, Professor of Accounting. (1985-2005)  
B.B.A., Baylor U.; M.S., Oklahoma State U.; Ph.D., Michigan State U.
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B.B.A., Baylor U.; M.Ed., U. of Arkansas; Ed.D., U. of Houston.
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A.B., Wabash College; M.S., U. of Notre Dame; Ph.D., *ibid*.
- Frauke A. Harvey, Ph.D.**, Professor and Director of German, Russian and Japanese. (1969-2003)  
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B.A., Baylor U.; M.S.Ed., *ibid*; Ed.D., *ibid*.
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B.A., Stephen F. Austin State U.; M.Ed., *ibid*; Ed.D., Baylor U.
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B.A., Baylor U.; M.A., *ibid*; Ph.D., U. of Texas.
- Glenn O. Hilburn, Th.D.**, Professor of Religion and the George W. Baines Professor of Religion. (1961-2000)  
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B.B.A., U. of Texas; M.L.S., Texas Woman's U.; Ph.D., *ibid*.
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B.A., Peru State College; M.A., Oklahoma State U.; Ph.D., U. of Maryland.
- Charles J. Isoline, Ed.D.**, Professor of Art. (1974-1993)  
B.F.A., U. of Illinois; M.A., *ibid*; Ed.D., U. of North Texas.
- William M. Jensen, Ph.D.**, Professor of Art History. (1976-2011)  
B.A. U. of Iowa; M.A., *ibid*; Ph.D., U. of Michigan.
- Pauline T. Johnson, Ph.D.**, Professor of Nursing and Graduate Program Director of the Louise Herrington School of Nursing. (1990-2005)  
B.S., Northwestern State U., of Louisiana; M.S.N., *ibid*; Ph.D., Texas Woman's U.

- Ann W. Karaffa, Ph.D.**, Professor of Curriculum and Instruction. (1981-1997)  
B.A., Baylor U.; M.A., Southern Methodist U.; Ph.D., Texas Woman's U.
- Frank J. Karaffa, Ed.D.**, Professor of Health, Human Performance and Recreation. (1959-1987)  
B.S. in P.Ed., U. of Texas; M.Ed., *ibid.*; Ed.D., Baylor U.
- Phyllis S. Karns, Ph.D.**, Professor of Nursing and Dean of the Louise Herrington School of Nursing. (1987-2002)  
B.S.N., Baylor U.; M.S., U. of Colorado; Ph.D., U. of Wyoming.
- Paul Z. Kemp, M.F.A.**, Professor of Art. (1961-1996)  
B.A., New Mexico Highlands U.; M.A., *ibid.*; M.F.A., Cranbrook Academy of Art.
- Roger L. Keyes, M.M.**, Professor of Piano. (1965-2000)  
B.M., Indiana U.; M.M., *ibid.*
- David A. Kopplin, Ph.D.**, Professor of Psychology. (1975-2004)  
B.A., Lawrence College; M.Div., Lutheran School of Theology; M.A., Michigan State U.; M.P.H., U. of Michigan; Ph.D., Michigan State U.
- Bill D. Lamkin, Ph.D.**, Professor of Educational Psychology and Dean of the School of Education. (1967-1995)  
B.A., Baylor U.; M.A., *ibid.*; Ph.D., U. of Texas.
- Alta N. Lane, Ph.D.**, Professor of Family and Consumer Sciences. (1981-1997)  
B.S., Memphis State U.; M.S., Oklahoma State U.; Ph.D., *ibid.*
- J.R. LeMaster, Ph.D.**, Professor of English. (1977-2006)  
B.S., Defiance College; M.A., Bowling Green State U.; Ph.D., *ibid.*
- Judith R. Lusk, Ph.D.**, Professor of Family and Consumer Sciences. (1986-2011)  
B.S., Texas Woman's U.; M.Ed., Sam Houston State U.; Ph.D., Texas Woman's U.
- Michael W. Mansfield, Ph.D.**, Professor of Political Science. (1973-2008)  
B.S., Oklahoma Christian U. of Science and Arts; M.A., North Texas State U.; Ph.D., U. of Missouri.
- Philip A. Martin, M.A.**, Associate Professor of German. (1956-1989)  
B.A., Baylor U.; M.A., U. of Texas.
- Dorothy W. McAlister, Ph.D.**, Professor of Family and Consumer Sciences. (1965-1969, 1980-1996)  
B.S., U. of Mary Hardin-Baylor; M.S., Texas Woman's U.; Ph.D., *ibid.*
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- William E. McBride, Ph.D.**, Professor of Computer Science. (1981-2001)  
B.A., St. John's U.; M.A., U. of North Dakota; Ph.D., U. of Missouri.
- John D. McClanahan, M.F.A.**, Professor of Art. (1976-2010)  
B.F.A., Bethany College; M.F.A., U. of Iowa.
- Janice M. McCullagh, Ph.D.**, Associate Professor of Art History and Senior Faculty Member of the Albritton Art Institute. (1989-2004)  
B.F.A., Drake U.; M.A., U. of Iowa; Ph.D., U. of Texas.
- Daniel B. McGee, Ph.D.**, Professor of Religion and the W. W. Melton Chair in Religion. (1966-2006)  
B.A., Furman U.; B.D., Southeastern Baptist Theological Seminary; Th.M., *ibid.*; Ph.D., Duke U.
- William A. Mitchell, Ph.D.**, Professor of Political Science. (1993-2007)  
B.S., Texas A&M U., Commerce; M.A., U. of California, Los Angeles; Ph.D., U. of Illinois.
- Andy J. Moore, Ph.D.**, Associate Professor of English. (1962-2004)  
B.A., Mississippi College; M.A., *ibid.*; Ph.D., U. of Texas.
- Billie H. Nowlin, Ed.D.**, Professor of Home Economics. (1968-1989)  
B.S., U. of North Texas; M.S., *ibid.*; Ed.D., Texas Woman's U.
- Patrick L. Odell, Ph.D.**, Professor of Mathematics. (1988-2001)  
B.S., U. of Texas; M.S., Oklahoma State U.; Ph.D., *ibid.*
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B.A., Ouachita Baptist U.; M.A., Louisiana State U.; Ph.D., *ibid.*
- Edwin P. Oxford, Ph.D.**, Professor of Mathematics. (1982-2011)  
B.S., Southern Arkansas U.; M.S., Louisiana Tech U.; Ph.D., New Mexico State U.
- Robert G. Packard, Ph.D.**, Professor of Physics and Master Teacher. (1952-2002)  
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B.S., U. of Texas; M.A., *ibid.*; Ph.D., *ibid.*
- Bob E. Patterson, Ph.D.**, Distinguished Professor of Religion. (1961-2011)  
B.A., Baylor U.; M.A., *ibid.*; M.Div. Southern Baptist Theological Seminary; Ph.D., *ibid.*

- A. G. Pinkus, Ph.D.**, Research Professor of Chemistry. (1952-1992)  
B.S., Columbia U.; M.S., U. of Illinois; Ph.D., Ohio State U.
- Robert Piziak, Ph.D.**, Professor of Mathematics. (1981-2008)  
B.A., Amherst College; M.A., U. of Massachusetts; Ph.D., *ibid.*
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B.S., U. of North Texas; M.A., Purdue U.; Ph.D., *ibid.*
- J. T. Powers, Ed.D.**, Professor of Health, Human Performance and Recreation. (1954-1993)  
B.S., U. of Texas; M.Ed., *ibid.*; Ed.D., *ibid.*
- Patricia W. Prewitt, Ph.D.**, Professor of Educational Psychology. (1989-2002)  
B.A., U. of Texas; M.A., *ibid.*; Ph.D., *ibid.*
- Juanita G. Price, M.S.**, Associate Professor of Nursing. (1964-1966; 1969-4985)  
B.A., San Bernardino State College; B.S., U. of California at Los Angeles; M.S., *ibid.*
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B.S., Virginia Tech.; M.S., U. of Tennessee; Ph.D., Virginia Tech.
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B.B.A., Baylor U.; J.D., *ibid.*; M.B.A., U. of Texas.
- Charles E. Reeder, Ph.D.**, Associate Professor of Chemistry. (1957-1992)  
B.S., Wheaton College; Ph.D., Iowa State College.
- Richard B. Riley, Ph.D.**, Professor of Political Science. (1979-2009)  
B.A., Grove City College; M.A., American U.; Ph.D., Duke U.
- David L. Rivers, Ph.D.**, Professor of Communication Sciences and Disorders. (1981-2006)  
A.B., U. of Kentucky; M.S., Purdue U.; Ph.D., Vanderbilt U.
- William C. Robinson, M.M.**, Associate Professor of Music. (1971-1986)  
B.M.E., U. of Oklahoma; M.M., *ibid.*
- Tillman B. Rodabough, Ph.D.**, Professor of Sociology. (1972-2006)  
B.A., Baylor U.; B.D., Southwestern Baptist Theological Seminary; M.A., Baylor U.; M.A., Cornell U.; Ph.D., *ibid.*
- Howard L. Rolf, Ph.D.**, Professor of Mathematics. (1956-1957, 1964-1998)  
B.S., Oklahoma Baptist U.; M.A., Vanderbilt U.; Ph.D., *ibid.*
- Martha L. Sanford, Ph.D.**, Associate Professor of Nursing. (1981-83, 1985-2001)  
B.S.N., U. of Texas, Arlington; M.S.N., *ibid.*; Ph.D., Texas Woman's U.
- E. E. Schroeder, M.Ed.**, Associate Professor of Health, Human Performance and Recreation. (1958-1999)  
B.S., Baylor U.; M.Ed., U. of Texas.
- Howard R. Scroggs, Ph.D.**, Professor of Marketing. (1949-1953; 1958-1962; 1964-1985)  
B.A., Central State College; M.H.A., Northwestern U.; Ph.D., U. of Iowa.
- J. David Slover, Th.D.**, Associate Professor of Religion. (1986-2004)  
B.A., Baylor U.; B.Div., Southwestern Baptist Theological Seminary; Th.D., *ibid.*
- Calvin B. Smith, M.S.**, Associate Professor of Museum Studies and Director of Strecker Museum Complex. (1983-2003)  
B.S., Eastern New Mexico U.; M.S., *ibid.*
- Carey Ann Smith, M.S.N.**, Assistant Professor and Assistant Dean for Student Services. (1965-2004)  
B.S., Baylor U.; M.S., *ibid.*
- Frances E. Snow, M.S.N.**, Associate Professor of Nursing and Prenursing Adviser. (1966-1994)  
B.S.N., Baylor U.; M.S.N., U. of Texas.
- Rufus B. Spain, Ph.D.**, Professor of History. (1957-1988)  
B.A., Mississippi College; M.A., Vanderbilt U.; Ph.D., *ibid.*
- Lois M. Sutton, Ph.D.**, Professor of French. (1945-1994)  
B.A., U. of Texas; M.A., Baylor U.; Ph.D., U. of Texas.
- Tommie R. Thompson, Ph.D.**, Professor of Engineering. (1983-2008)  
B.S. Lamar U.; M.S., Oklahoma State U.; Ph.D., Michigan State U.
- F. Eugene Tidmore, Ph.D.**, Professor of Mathematics. (1963-1965, 1971-2004)  
B.S., Hardin-Simmons U.; M.S., Oklahoma State U.; Ph.D., *ibid.*
- Mary E. Tindle, M.S.**, Associate Professor of Health, Human Performance and Recreation. (1956-1996)  
B.S., Baylor U.; M.S., *ibid.*
- Charles M. Tolbert, Ph.D.**, Professor of Sociology. (1957-1993)  
B.A., Mississippi College; M.A., U. of North Carolina; Ph.D., Louisiana State U.

- S. Kay Toombs, Ph.D.**, Associate Professor of Philosophy. (1990-2001)  
B.A., Baylor U.; M.A., *ibid.*; Ph.D., Rice U.
- William R. Trail, J.D.**, Professor and The Darrell L. Keith Professor Law and Medicine. (1982-2006)  
B.A., Michigan State U.; J.D., U. of Virginia.
- John Van Cura, D.M.**, Professor of Vocal Studies. (1986-2005)  
B.M., Peabody Conservatory of Music; M.M., *ibid.*; D.M., Florida State U.
- James W. Vardaman, Ph.D.**, Professor of History and Master Teacher and Jo Murphy Chair in International Education. (1967-2000)  
B.A., Baylor U.; M.A., U. of Minnesota; Ph.D., Vanderbilt U.
- Robert W. Vargas, Ph.D.**, Professor of Computer Science. (1985-2003)  
B.S., The College of William & Mary; Ph.D., U. of Texas.
- Joseph F. Vélez, Ph.D.**, Professor of Spanish. (1971-2001)  
B.A., Howard Payne College; M.A., U. of Oklahoma; Ph.D., *ibid.*
- Patricia D. Wallace, Ph.D.**, Professor of History. (1973-2009)  
B.A., Southern Methodist U.; M.A., U. of Texas; Ph.D., *ibid.*
- Ken-Hsi Wang, Ph.D.**, Professor of Physics. (1966-2003)  
B.A., International Christian U., Tokyo, Japan; Ph.D., Yale U.
- James M. Warren, Ph.D.**, Professor of Engineering. (1981-1998)  
B.S., Texas A&M U.; M.S., Arizona State U.; Ph.D., *ibid.*
- Julian F. Watkins II, Ph.D.**, Professor of Biology. (1964-1997)  
B.S., U. of Arkansas; M.S., Kansas State U.; Ph.D., *ibid.*
- J. Clifton Williams, Ph.D.**, Vice President for Human Resources and Planning and Professor of Management. (1954-1994)  
B.A., Baylor U.; M.P.S., U. of Colorado; Ph.D., Purdue U.
- W. C. Williams, Ph.D.**, Professor and Chair of Educational Psychology. (1976-1991)  
B.A., U. of Northern Iowa; M.S.E., Drake U.; Ph.D., Iowa State U.
- James L. Williamson, Ed.D.**, Professor of Educational Administration and The Fred and Edith Hale Emeritus Professor in Education. (1990)  
B.A., Baylor U.; M.Ed., U. of North Texas; Ed.D., *ibid.*
- James E. Wood, Jr., Ph.D.**, The Simon and Ethel Bunn Distinguished Professor of Church-State Studies. (1955-1973, 1980-1999)  
B.A., Carson-Newman College; M.A., Columbia U.; B.D., Southern Baptist Theological Seminary; Th.M., *ibid.*; Ph.D., *ibid.*; LL.D. (Hon.), Seinan Gakuin U.
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B.A., Columbia Bible College; B.D., Southwestern Baptist Theological Seminary; Ph.D., Baylor U.
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