

TEXAS STATE UNIVERSITY SAN MARCOS

Undergraduate Catalog 2010 – 2012

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ACCREDITATIONS

Texas State is accredited by the following:

AACSB International-The Association to Advance Collegiate Schools of Business
Accreditation Board for Engineering & Technology/Computing Accreditation
Commission, Inc.
Accrediting Council on Education in Journalism and Mass Communications
American Bar Association
American Council for Construction Education
Association of University Programs in Health Administration
Commission on Accreditation for Dietetics Education
Commission on Accreditation for Health Informatics and Information
Management Education
Commission on Accreditation in Physical Therapy Education
Commission on Accreditation of Allied Health Education Programs
Commission on Accreditation of Athletic Training Education
Commission on Accreditation of Healthcare Management Education
Commission on Accreditation for Respiratory Care

Council for Accreditation of Counseling and Related Educational Programs
Council for Interior Design Accreditation
Council on Academic Accreditation in Audiology and Speech-Language Pathology
Council on Social Work Education
Joint Review Committee on Education in Radiologic Technology
Foundry Education Foundation
National Accrediting Agency for Clinical Laboratory Sciences
National Association for the Education of Young Children/National Academy
of Early Childhood Programs
National Association of School Psychologists
National Association of Schools of Music
National Association of Schools of Public Affairs and Administration
National Recreation and Park Association
Southern Association of Colleges and Schools
Texas State Board for Educator Certification/Texas Education Agency

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ACADEMIC DEANS

T. Jaime Chahin, Ph.D.
College of Applied Arts

Denise T. Smart, Ph.D.
McCoy College of Business Administration

Rosalinda B. Barrera, Ph.D.
College of Education

T. Richard Cheatham, Ph.D.
College of Fine Arts and Communication

Ruth B. Welborn, Ph.D.
College of Health Professions

Ann Marie Ellis, Ph.D.
College of Liberal Arts

Stephen B. Seidman, Ph.D.
College of Science

Ronald Brown, Ph.D.
University College

J. Michael Willoughby, Ed.D.
The Graduate College

History of the University

Authorized by the Texas Legislature in 1899, Southwest Texas State Normal School opened its doors in 1903. Over the years, the Legislature broadened the institution's scope and changed its name, in succession, to Normal College, Teachers College, College, and in 1969, University. Each name change reflects the university's growth from a small teacher preparation institution to a major multipurpose university. In 2003, the Legislature renamed the school Texas State University-San Marcos.

Texas State's original mission was to prepare Texas public school teachers, especially those of the south central area. It became renowned for carrying out this mission, but today it does far more. Texas State currently offers programs in the College of Applied Arts, McCoy College of Business Administration, College of Education, College of Fine Arts and Communication, College of Health Professions, College of Liberal Arts, College of Science, and University College. The University College also oversees the undergraduate general education core curriculum and undergraduate advising as well as the freshman year experience. The Graduate College provides opportunities for continued intellectual growth through advanced and specialized education that develops leaders in the professions and in research.

As Texas State's student population has grown—from 303 in 1903 to more than 28,100 in 2010—the campus, too, has expanded and today Texas State is the sixth largest public university in the state. Overlooking the campus and serving as a landmark since 1903 is Old Main, a red-gabled Victorian building restored to its original grandeur.

In 1979, after adding a number of classroom buildings and residence halls, Texas State purchased the former San Marcos Baptist Academy adjacent to the original campus. In 1981, South Texas entrepreneur Harry M. Freeman donated a 3,500-acre ranch to Texas State to be held in perpetual trust as the Harold M. Freeman Educational Foundation. The working ranch is used as a laboratory for students in agriculture, animal science, biology and a variety of other academic disciplines. In 1990, the university opened the Albert B. Alkek Library. The building, conveniently located in the center of campus, is named for the noted Texas rancher, oil man and educational philanthropist who died in 1995.

Texas State acquired one of the most unique ecosystems in the world in 1994 when it purchased the former Aquarena Springs resort and theme park. The purchase allowed Texas State to serve as steward of the headwaters of the San Marcos River, preserving and protecting the area for future generations of Texans. Now called the Aquarena Center, the 90-acre property is home to the Office of Continuing Education and is the site of a wide variety of educational and research pursuits. Aquarena Center is home to several endangered species of plants and animals that exist nowhere else in the world.

In 1998, as the lead institution, Texas State joined forces with other area universities to establish the Round Rock Higher Education Center. The RRHEC combines the efforts of Texas State, Austin

Community College, and Temple College at Taylor to offer educational opportunities in Williamson County and North Austin.

Texas State is located in San Marcos, a Hill Country community about halfway between Austin and San Antonio. Its location on the banks of the San Marcos River provides recreational and leisure activities for students throughout the year.

Texas State became part of The Texas State University System in 1911. That System is governed by a nine-member Board of Regents. Other components in the System include Lamar University-Beaumont, Lamar University Institute of Technology, Lamar College-Orange, Lamar College-Port Arthur, Sam Houston State University and Sul Ross State University. The first president of Texas State was Mr. T.G. Harris, who served from 1903 to 1911. He was followed by Dr. C.E. Evans, 1911–1942; Dr. J.G. Flowers, 1942–1964; Dr. James H. McCrocklin, 1964–1969; Dr. Leland E. Derrick, 1969; Dr. Billy Mac Jones, 1969–1973; Mr. Jerome C. Cates, 1973–1974; Dr. Lee H. Smith, 1974–1981; Mr. Robert L. Hardesty, 1981–1988; Dr. Michael L. Abbott, 1988–1989; Dr. Jerome Supple, 1989–2002, and Dr. Denise M. Trauth, 2002–present.

Mission Statement

"The noblest search is the search for excellence."

—Lyndon B. Johnson

Thirty-Sixth President of the United States, 1963–1969

Texas State University Class of 1930

Texas State University-San Marcos is a public, student-centered, doctoral-granting institution dedicated to excellence in serving the educational needs of the diverse population of Texas and the world beyond.

Shared Values Statement

In pursuing our mission as a premier institution, we, the faculty, staff, and students of Texas State University-San Marcos, are guided by a shared collection of values. Specifically, we value:

- An exceptional undergraduate experience as the heart of what we do;
- Graduate education as a means of intellectual growth and professional development;
- A diversity of people and ideas, a spirit of inclusiveness, a global perspective, and a sense of community as essential conditions for campus life;
- The cultivation of character and the modeling of honesty, integrity, compassion, fairness, respect, and ethical behavior, both in the classroom and beyond;
- Engaged teaching and learning based in dialogue, student involvement, and the free exchange of ideas;
- Research, scholarship, and creative activity as fundamental sources of new knowledge and as expressions of the human spirit;
- A commitment to public service as a resource for personal, educational, cultural and economic development;

- Thoughtful reflection, collaboration, planning, and evaluation as essential for meeting the changing needs of those we serve.

Students' Rights, Privileges, and Expectations

Texas State believes that the primary purpose of higher education is to promote learning and stimulate inquiry for truth in an atmosphere of freedom. Texas State is committed to the value of a racial and ethnic diversity. Accordingly, Texas State encourages students to exercise the rights of citizenship. However, these rights are subject to reasonable limitations necessary for the orderly operation of Texas State. Texas State expects students to accept their responsibilities as citizens and members of a scholarly community. Paramount among these responsibilities is respect for the rights of others, academic and personal integrity, and adherence to federal, state, and local law as well as university regulations.

The faculty and administration are genuinely concerned with the physical and ethical welfare of students. To that end, Texas State has established rules of conduct and has published these in a Code of Student Conduct. These regulations guide students in achieving personal and academic goals and help the university function in an orderly way. Since students voluntarily associate themselves with Texas State, they should know that these rules are honestly and faithfully enforced. The rules include clear prohibitions against sexual or racial harassment.

The administration and faculty encourage students to participate in managing Texas State through its system of advisory councils and committees. Students are invited to serve as voting members of many of these groups, and are expected to contribute actively to their success. Students may submit recommendations for changes in policy, not only through the committee structure, but also through their own student government.

Student Right-to-Know and Campus Security Act

Campus Watch, the annual campus security report for Texas State, includes descriptions of campus crime prevention programs, procedures for reporting crimes on campus and information about the number and frequency of crimes reported to the University Police Department in the last three years. It also provides summaries of Texas State's policies for campus security and law enforcement related to sexual offenses, liquor law violations, and controlled substance offenses. The Campus Watch is available on the Texas State web site at www.police.txstate.edu/, in the Office of Undergraduate Admissions, The Graduate College, Human Resources, the University Police Department or in Registration Instructions on the Registrar's webpage. Call 512.245.2890 to have a copy mailed free of charge.

Multicultural Policy Statement

Texas State believes that freedom of thought, innovation and creativity are fundamental characteristics of a community of scholars. To promote such a learning environment, the university has a special responsibility to seek diversity, to instill a global perspective in its students, and to nurture sensitivity, tolerance and mutual respect. Discrimination against or harassment of individuals on the basis of race, color, national origin, religion, sex, sexual orientation, age, or disability are inconsistent with the purposes of the university.

Undergraduate Academic Advising

UNDERGRADUATE ACADEMIC ADVISING MISSION

As an integral part of teaching and learning at Texas State, advising is a student-centered, collaborative process that engages students in educational planning to promote academic, personal, and professional development, while considering diverse interests, abilities, and goals.

ACADEMIC ADVISING DEFINITION AND PHILOSOPHY

Academic advising is an educational process that, by intention and design, facilitates students' understanding of the meaning and purpose of higher education and fosters their intellectual and personal development toward academic success and lifelong learning (NACADA, 2004).

At Texas State, academic advising provides students with the opportunity to meet with an advisor for the purpose of gaining assistance in planning their educational career, in learning the skills needed for academic success, and in learning how to access the variety of resources and services available to them on the Texas State campus.

As academic advisors at Texas State University, we adhere to key principles provided by the National Academic Advising Association (NACADA) when developing our advising philosophies. Academic advising is a partnership between a student and an academic advisor to develop meaningful educational goals and plans that are consistent with the student's personal values, interests and abilities. This is a collaborative approach in which the student and the advisor have clear responsibilities for ensuring the advising partnership is successful.

Table of Contents

General Information

9	Admissions
19	Alkek Library
19	Career Services
20	Disability Services
20	Financial Aid
22	Residence Life
23	Veteran's Affairs
23	Tuition and Fees
28	Academic Policies
40	Correspondence Studies
41	Extension Studies
42	Study Abroad
42	Continuing Education
42	Texas Certified Public Manager Program
42	International Office
43	Texas State Intensive English Language Program (TSIE)
43	Round Rock Higher Education Center

Academic Units

44	University College
52	College of Applied Arts
89	McCoy College of Business Administration
110	College of Education
134	College of Fine Arts and Communication
185	College of Health Professions
206	College of Liberal Arts
291	College of Science

354	Faculty
367	Index

ADVISEE RESPONSIBILITIES – WHAT YOU ARE EXPECTED To Do

As an advisee, you have clear responsibilities in the advising partnership in order to be successful:

- Know the requirements of your degree program and make sure that you are taking the courses your program requires for graduation.
- Ensure compliance with all University and College policies, procedures, and deadlines.
- Gather all relevant decision-making information (i.e.: deadlines, prerequisites, policies).
- Organize official documents in a way that enables you to access them when needed.
- Schedule timely, regular appointments with an advisor during each semester.
- Come prepared, with your student ID, and be on-time to each appointment.
- Bring questions and material for discussion, such as a degree audit report (DAR), degree work sheet, or other relevant documents for discussion to your appointment.
- Be an active learner by participating fully in the advising experience.
- Ask questions if you do not understand an issue or have a specific concern.
- Follow through with all recommendations from your advisor.
- Clarify personal values and goals and provide your advisor with accurate information regarding your interests and abilities.
- Keep a personal record of your progress toward meeting your goals.
- Adhere to the Texas State honor code when interacting with others.

ADVISOR RESPONSIBILITIES – WHAT YOU CAN EXPECT

You can expect your advisor to:

- Assist students in understanding the purposes and goals of higher education and its effect on their lives and personal goals.
- Assist students in gaining decision making skills and assuming responsibility for their educational plans and achievements.
- Encourage and guide students as they define and develop realistic goals.
- Encourage and support students as they gain the skills to develop clear and attainable educational plans.
- Maintain confidentiality
- Understand and effectively communicate the curriculum, graduation requirements, and university and college policies and procedures.
- Provide students with information and strategies for using the available resources and services on campus.
- Accurately document students' progress toward meeting their goals.
- Be accessible for meeting with advisees.

Using the Undergraduate Catalog

Glossary of Terms

Academic Advising Center:

Located in each College, the Academic Advising Center houses most of the undergraduate advisors for that College.

Classification:

Academic level based on hours earned: 1–29 freshman, 30–59 sophomore, 60–89 junior, and 90–senior.

Contact Hours:

Clock hours spent each week in the instruction process. Contact hours are not course credit hours. Lecture contact hours are the hours per week students are required to spend in contact with faculty in a lecture setting, e.g., class, conference, seminar, individual instruction, private lesson, thesis or dissertation discussion, or independent study. Laboratory contact hours are the number of hours per week that students are required to spend in contact with faculty in an experiential situation, e.g., laboratory clinical, practicum, internship, or student teaching.

Core Curriculum:

Serves as the common foundation for all majors and accounts for about 38 percent of the approximately 120 semester credit hours required for a bachelor's degree. See the University College section of the catalog for more detailed information.

Corequisite:

A directive from a School or Department that requires a certain action be taken while enrolled in a certain course. A corequisite may be a course, permission from a faculty member, a specified classification, or additional requirements as seen fit by the School Director or Department Chair.

Course Description:

Summarize the content of the course. Will include repeatability information as well as prerequisites or corequisites.

Course Number:

Follow a four-digit numbering system and include an alphabetical course prefix that is offered in a single academic administrative unit. The first digit indicates the level of the course: 1-freshman, 2-sophomore, 3-junior, 4-senior, 5 and 6-post-baccalaureate and masters, and 7-doctoral. The second digit indicates the number of semester credit hours the course carries. The last two digits usually indicate the sequencing of the course in the curriculum.

Course Prefix:

Letters preceding the course number that indicate the subject of the course. For example, CJ = Criminal Justice; ANTH = Anthropology.

Degree Plan:

Set of courses that a student may follow in order to achieve the desired bachelor's degree. Degree plans are located in School and Department sections of the catalog.

Grade Point Average (GPA):

Texas State utilizes the four-point system. The GPA is the total number of grade points earned divided by the number of semester hours attempted. Semester grade symbols have the following values: "A" = 4 points; "B" = 3 points; "C" = 2 points; "D" = 1 point; "F" = 0 points. Neither hours nor grades are calculated for "I", "CR", "PR", or "W".

Graduate Student:

A student who has graduated with a bachelor's degree and is returning to the university to pursue either a master's or doctoral level degree.

Graduation with Honors:

Students earning a GPA of 3.40-3.59 will graduate cum laude; 3.6-3.79 will graduate magna cum laude; 3.8-4.0 will graduate summa cum laude. To be eligible for graduation with honors a student seeking a baccalaureate degree must have completed a minimum of 60 semester credit hours preceding graduation at Texas State.

Multicultural Course:

Course identified in the catalog and schedule of classes that offers students an opportunity to enhance their multicultural competence.

Post Baccalaureate Student:

Student who has completed a bachelor's degree and returned to the university to take additional course work that will not count towards a second bachelor's degree.

Prerequisite:

A directive from a School or Department that requires a certain action be before enrolling in a certain course. A prerequisite may be a course, permission from a faculty member, a specified classification, or additional requirements as seen fit by the School Director or Department Chair.

Probation, Academic:

An emphatic warning that the quality of the student's work has not met Texas State's minimum academic standards and that the quality must improve during the probationary semester in order for the student to continue at Texas State. A student will be placed on academic probation at the end of the fall or spring semester in which the Texas State GPA is less than 2.00. A student will be removed from academic probation at the end of any long semester or summer term if the Texas State GPA is 2.00 or higher.

SLAC:

The Student Learning Assistance Center provides a wide range of academic support programs. Whether students are seeking help with course content, study skills, or test preparation, SLAC provides a walk-in tutoring lab, Supplemental Instruction, campus presentations, and online services.

Suspension, Academic:

Instated on a student who failed to raise their GPA higher than a 2.00 at the end of the second probationary semester.

Transcript:

Official Texas State transcripts bear the University Seal and the Registrar's signature. The transcript is an official record of a student's academic course work.

Transfer Student:

Student who has attended an institution prior to enrollment at Texas State.

TSIP:

The Texas Success Initiative program is a legislatively mandated program for certain college freshmen and transfer students, and is located within the University College. Additional information about this program and its requirements can be found in the Academic Policies section of this catalog.

Undergraduate Student:

Student enrolled in course work with the intent of receiving a bachelor's degree at Texas State.

Writing Intensive:

Undergraduate courses for which at least sixty five percent of the grade must be based on written exams or assignments, and at least one assignment must be 500 words or more in length. Writing intensive is a designation intended to address the writing policy for undergraduate degree programs.

HOW TO INTERPRET A COURSE ENTRY IN THE CATALOG

Academic courses are located alphabetically by course prefix within the School or Department in which they are taught. Within each prefix, the courses are listed numerically beginning with freshman level and proceeding through senior level course work. Graduate courses may be found in the Graduate Catalog.

Texas State reserves the right to withdraw courses at any time, to change its fees or tuition, calendar, curriculum, degree requirements, graduation procedures, and any other requirements affecting students. Changes will become effective whenever authorities determine and will apply to both prospective students and those already enrolled. Questions regarding current information should be addressed to the Office of the Provost and Vice President for Academic Affairs. This catalog becomes effective with the beginning of the fall semester, 2010.

ADMISSIONS

429 N. Guadalupe Street
www.admissions.txstate.edu
T: 512.245.2364 F: 512. 245.8044

The university provides general admission programs for first-time freshman, transfers, and international students. The admission standards are designed to ensure that admitted students are prepared to meet the academic challenges of the classroom at Texas State.

Students and their parents are welcome to visit Texas State any day the university is open. Drop-in visitors are welcome but an online reservation or a phone call a few days in advance will help the Visitors Center staff give the best possible service. When classes are in session, campus tours are available Monday through Friday. University offices are closed on weekends; however, the Visitors Center is open on a limited basis during the fall and spring semesters. The Visitors Center is located in the LBJ Student Center. Convenient parking is available at the Student Center Parking Garage.

Bobcat Days at Texas State are special Saturdays when prospective students and their families visit the campus to learn about academic programs, services, activities, and admissions. For Bobcat Days schedules, visit www.admissions.txstate.edu/visit/bobcat-days.

For further information on available tour times or scheduling your visit www.admissions.txstate.edu/visit, contact the Visitors Center at 512.245.8871 or email visitorscenter@txstate.edu.

DEADLINES

Students should apply for admission as early as possible. Those still in high school may apply once they have completed six semesters and can provide a high school transcript showing class rank and grades. Application forms and all credentials must be received by the following deadlines:

GENERAL

Fall	March 1 (admission priority date) May 1 (freshman) July 15 (transfer)
Spring	November 15
Summer I	May 1
Summer II	June 15

COMMUNICATION DESIGN PROGRAM

Fall	March 15
Spring	October 15
Summer	No admission

MCCOY COLLEGE OF BUSINESS ADMINISTRATION

Fall	March 15
Spring	October 15
Summer	March 15

APPLICATION FEE

A non-refundable application fee is required with all applications. The application fee is \$60 for new students; \$60 for special and transient students; \$25 for former students; and \$75 for applicants considered for admission on the basis of foreign credentials.

FRESHMAN ADMISSION

All freshman applicants must complete the State of Texas Recommended High School Program or Distinguished Achievement Program (or their equivalents) during high school. Freshman applicants (0-29 credit hours) must complete and meet the following requirements:

1. Submit parts I and II of the ApplyTexas Application (www.applytexas.org).
2. Submit one of the Apply Texas application essays (Topic A,B, or C).
3. Submit an official high school transcript (which must include class rank or a statement that the school does not rank) or GED certificate.
4. Submit SAT or ACT scores including the writing sections
5. Submit an application fee of \$60 (check, money order, American Express, Visa or MasterCard).
6. Submit an official college transcript from each postsecondary school attended. Student must be eligible to return (e.g., free of suspension, dismissal or enforced withdraw) and have a cumulative 2.0 grade point average in all transferable college work.

STATE OF TEXAS UNIFORM ADMISSION STATEMENT

Per state law, Uniform Admissions Policy, TEC 51.803-51.809 requires that all students must meet one of the following college readiness standards in order to be eligible to be considered for admission at a Texas Four-Year Public Institution.

- Successfully complete the recommended or advanced high school program or complete the portion of the program that was available to them; or
- Successfully complete a curriculum that is equivalent in content and rigor to the recommended or advance high school program at a high school that is exempt from offering such programs; or
- Satisfy the College Readiness Benchmarks on the SAT or ACT assessment
 - o SAT – 1500 out of 2400
 - o ACT – 18 English, 21 Reading, 22 Mathematics and 24 Science

Equivalencies must be documented by the students high school. The forms can be found at <http://www.thecb.state.tx.us/>.

TEXAS STATE ADMITS FRESHMAN STUDENTS IN TWO WAYS, ASSURED ADMISSION AND REVIEW ADMISSION.

ASSURED ADMISSION

Writing Section of ACT/SAT is required, but will not be included in the scores used in initial review by Texas State.

Class Rank	SAT (Critical Reasoning + Math)	ACT
Top 10%	No minimum required*	
1st Qtr.	920	20
2nd Qtr.	1010	22
3rd Qtr.	1180	26
4th Qtr.	1270	29

*No minimum scores required for students who rank in the top 10% of their graduating class. ACT or SAT scores, however, must be submitted.

LIMITED ACCESS PROGRAMS

McCoy College of Business Administration and Communication Design Program

If a student wishes to pursue a major in either the McCoy College of Business Administration or the College of Fine Arts and Communication's communication design program, they will be granted automatic admission to one of these programs when the student:

- Select a first-choice major in one of these programs and receive assured admission to Texas State
- Achieve one of the following: an SAT score of 1200 or higher, and ACT score of 29 or higher, or a ranking in the top 25 percent of their high school graduating class.

Applicants to these programs who do not meet these requirements will be reviewed for consideration for any remaining openings in the programs after the application deadline.

Freshman are not eligible for admittance to the undergraduate programs offered at the Round Rock Higher Education Center (RRHEC) as Texas State offers only upper-division courses there. Junior and senior level students interested in enrolling at the RRHEC should learn more about the additional admission requirements at www.rrhec.txstate.edu.

REVIEWED ADMISSION

Freshman applicants who are in the top 75 percent of their class, and whose high school class rank and test scores place them near the assured admission requirements, may be eligible for the Predicted Academic Success (PAS) Review. A limited number of students whose academic record demonstrates potential for academic success at Texas State will be offered admission. If granted a PAS review, Texas State will consider the high school curriculum, extracurricular involvement, leadership, community service, work experience, essay, class rank, size of graduating class, quality and competitive level of high school courses taken and grades earned, and the applicant's individual verbal and math scores on either the

ACT or SAT I. Additional factors such as bilingual proficiency, the applicant's responsibilities while attending school, and the applicant's region of residence may also be considered. The review, however, must clearly demonstrate potential for academic success during the freshman year at Texas State. Students in the fourth quarter are not eligible for this review.

To be considered, students must submit a seventh-semester transcript that includes class rank. A resume highlighting personal involvement and achievements while in high school and a personal statement that addresses factors the applicant wishes to bring to the attention of the Office of Undergraduate Admissions may also be submitted. Applicants will be notified of their admissibility or inadmissibility beginning mid March for Summer Sessions I, II and Fall. Spring applicants will be notified beginning November 1. Students in the top quarter may be notified earlier.

Some fall applicants who are reviewed will be approved for admission to a special summer entrance program.

TRANSFER ADMISSION

Transfer students with less than 30 hours

Students with less than 30 transferrable hours at the time of application must meet the following requirements:

1. Submit the ApplyTexas Application for freshman admission including one essay and information on extracurricular activities, application fee, and all other documents by the deadline. (see freshman admission requirements)
2. Satisfy assured admission requirements.
3. Submit an official transcript from each post secondary institution attended. Students must be eligible to return (e.g, free of suspension, dismissal or enforced withdrawal) to all previous institutions regardless of grade point average (GPA) or degrees received.
4. Have a cumulative 2.0 GPA in all transferable college work.

Transfer students with 30 hours or more

All Transfer students must complete 30-plus transferable credit hours and have a grade point average of 2.25 for all transferable credit. Transfer applicants must complete and meet the following requirements:

1. Submit parts I of the ApplyTexas Application for Transfer/Transient/Readmit (www.applytexas.org)
2. Submit application fee of \$60 (check, money order, American Express, Visa or MasterCard)
3. Submit an official college transcript from each postsecondary school attended. Student must be eligible to return (e.g., free of suspension, dismissal or enforced withdraw) to all previous institutions regardless of GPA or degrees received.
4. Have a minimum 2.25 GPA in all transferable work attempted. In calculating the GPA, grades of A, B, C, D, and F are computed as recorded. Non-punitive grades such as W or WP are posted but not calculated. Grades of WF or I are averaged as F. If a course has been repeated, all grades except the first will be used. Grades in non-transferable and technical/vocational courses are disregarded. See Academic

Policies section for specific information and policies for repeated grades and courses.

NOTE: Entering students are required to demonstrate that they have competency in foreign language and computer science. This can be demonstrated by:

- Two years of the same foreign language in high school or two semesters of the same foreign language in college. (Some degree programs may have additional requirements for graduation.)
- One year of computer course work in high school or one semester in college.
- A placement exam
- CLEP

Transfer students who have met these requirements via their high school work should submit their high school transcript for credit.

INTERNATIONAL ADMISSION

An international student is defined as anyone who is not a United States citizen. However, a permanent resident alien who has completed two or more years in and graduated from a U.S. high school is required to meet the admission requirements established for U.S. citizens (see Undergraduate Admission Programs in this section of the catalog).

International applicants should complete the International Student Application form. The application is available at www.applytexas.org or may be obtained by contacting the Office of Undergraduate Admissions. The application and all credentials must be submitted by the required deadline. A non-refundable \$75.00 fee (U.S. currency) is required for all international applicants. Freshman applicants who are graduates of foreign secondary schools must demonstrate that they have above average academic achievement and an education equivalent to that of a U.S. high school graduate. Students transferring from foreign institutions must demonstrate above average academic achievement in their post-secondary education. Applicants must submit original academic records (or copies which have been certified by an appropriate school official) of all secondary and post-secondary course work, examination results, certificates awarded, and/or diplomas. A certified English translation must accompany the original academic records if the original records are not in English. Freshman applicants who are graduates of a U.S. high school and who completed at least two years in a U.S. high school must meet the freshman admission requirements established for U.S. citizens. Transfer applicants from within the U.S. must meet all regular transfer admission requirements (see Undergraduate Admission Programs in this section of the catalog).

All applicants whose native language is not English must present proof of English proficiency. Texas State accepts the following measures of English proficiency for regular admission:

- Test of English as a Foreign Language (TOEFL) minimum score of 550 (paper-based test, PBT) or 213 (computer-based test, CBT), or 78 total score (internet-based test, iBT) with the following 3 out of 4 minimum section scores:

19 in Reading, 19 in Listening, 19 in Speaking and 18 in Writing, or

- International English Language Testing System (IELTS) minimum score of 6.5, or
- International Baccalaureate (IB) grade of 4, 5, 6 or 7 in English A1 or A2 at the Higher Level or Standard Level or English B at the Higher Level, or
- 30 semester hours of college course work transferred from a regionally accredited U.S. institution to include English 1310 College Writing I and English 1320 College Writing II with grades of “C” or higher, or
- Advanced Level exam in English Language on GCE, GCSE, IGCSE or HKCEE with grade of “C” or higher, or
- Completion of all level 5500 Texas State Intensive English classes with composite grade of “A” or “B” and positive recommendation from program director.

International students who meet the established admission requirements but do not yet have the required level of English proficiency may be eligible for the Texas State Intensive English Bridge program. A minimum TOEFL score of 500 (PBT) or 173 (CBT) or 59 (iBT) total score with minimum section scores of 14 in Reading, 14 in Listening, 14 in Speaking and 14 in Writing, or IELTS score of 5.5 is required for the Texas State Intensive English Bridge program. Admission to the Texas State Intensive English Bridge program allows students to begin university academic study on a part-time basis while completing their English proficiency requirements in the Texas State Intensive English program. Acceptance into full-time academic study is contingent upon achieving one of the measures of English proficiency listed in the paragraph above, successfully completing the Intensive English program at Texas State and completing the Texas State credit courses with a grade of “C” or higher.

TRANSFERRING TO TEXAS STATE

F1 International Students Transferring to Texas State from Another U.S. Institution

International students that wish to transfer to Texas State University – San Marcos need to meet the academic as well as the immigration requirements for this transfer. Students that have been already admitted into an academic program and provided the financial documentation required for their admissions should follow the steps below to process their SEVIS or immigration transfer. This is a separate procedure not to be confused with the academic transfer done through the Undergraduate or Graduate Admission offices. Simply transferring academically doesn't complete your SEVIS transfer.

1. Notify your international/immigration student advisor at your current school of your intent to transfer and verify the procedures with them.
2. Request your current school to fill out and fax the Status Verification Form. It is your responsibility to make sure that your previous/current institution fills out the Status Verification Form and submits it.
3. Upon your notification, a DSO at your current school will update your record in SEVIS as a “transfer out” and indicate a release date. Once this release date is reached the

International Office at Texas State will have access to your SEVIS record to process your transfer I-20.

4. After the release date of your SEVIS record contact the Texas State International Office to confirm that all documents needed for your SEVIS transfer have been received as well as your SEVIS record.
5. Call the International Office to schedule a check-in. You must bring all of your immigration documents to this meeting. Your transfer I-20 will be given to you at this time. For more detailed information on our Check-ins and New International Student Orientation visit our website at www.international.txstate.edu.

Important Considerations

- Transfer students must start attending classes within 5 months of the last day he or she attended classes (or ended OPT), or the next available session, whichever comes sooner.
- If a student completes a course of study (or OPT), the student is eligible for transfer through the end of the 60-day grace period.
- If you are planning on traveling abroad you must re-enter the country with the I-20 from the school that holds your SEVIS record at the time. If your release date occurs when you are abroad the Texas State International Office will have to mail you the transfer I-20.
- A student's authorization for OPT or CPT ends on the transfer release date or the end of the work authorization whichever one is earlier.

F1 International Students Transferring to Another U.S. Institution from Texas State

To transfer to another U.S. institution from Texas State you must request a SEVIS transfer from the International Office. This is a separate transfer from the academic transfer and does not imply a transfer of your academic records. The SEVIS transfer will allow your new institution to issue you a new I-20 that will allow you to maintain your legal status.

To notify the Texas State International Office of your intention to transfer out, you must fill out the SEVIS Transfer Out Form and submit it to our office with the admissions acceptance letter attached to it.

An International Office advisor will determine an appropriate release date for your SEVIS transfer which will generally be the last day of your current semester. More detailed information is included in the SEVIS Transfer Out Form.

If you decide to cancel your transfer, you must notify the Texas State International Office before your SEVIS transfer release date. Once the transfer release date has been reached, Texas State will no longer have access to your SEVIS record and your new institution will be responsible for the management of your record.

Simply receiving the new school's I-20 doesn't complete the transfer process. Contact the staff at your new institution responsible for assisting international students about completing the required SEVIS transfer procedures.

For further information on immigration requirements, contact the Texas State International Office at 512.245.7966 or www.international.txstate.edu.

For further information on admission requirements for international students, contact the Office of Undergraduate Admissions at 512.245.2759 or www.admissions.txstate.edu.

READMISSION OF FORMER TEXAS STATE STUDENTS

Any Texas State student who does not enroll in the University for 12 consecutive months or more and wishes to return is considered a former student. Whether the student is forced to leave (academic or disciplinary suspension) or chooses to leave, he or she must follow these procedures for readmission:

1. Submit parts I of the ApplyTexas Application for Transfer/Transient/Readmit (www.applytexas.org) and required transcripts prior to the start of classes for the semester of desired enrollment.
2. Submit application fee of \$60 (check, money order, American Express, Visa or MasterCard)
3. Submit official transcripts from every institution attended since last enrolled at Texas State. Former students who have taken 30 or more transferable hours since last enrolling at Texas State must have a minimum 2.25 GPA in that work.
4. Attest to the fact that no suspensions, withdrawals, or dismissals affect his or her eligibility to return to all previously attended institutions.

NOTE: A student who leaves Texas State due to academic suspension will return on probationary status after complying with the suspension requirements and meeting the readmission criteria outlined above. (See the policy stated in "Readmission Following Suspension" in the Academic Policies of this catalog.) Some Texas State former students may be eligible for Texas State's Academic Bankruptcy Policy or the state legislated Academic Fresh Start (see more information in this section).

Former Texas State students who are members of the U.S. Armed Forces or National Guard who withdrew from school as a result of a call to active duty are eligible to re-enroll without paying a readmission fee or completing a readmit reapplication if the student returns to Texas State within a year of being released from active duty. These students should contact the Office of Undergraduate Admissions to have their status reactivated.

SPECIAL ADMISSION OPTIONS

Early Admission Program

The Early Admission program offers high school juniors and seniors an opportunity to take college courses while still in high school. Requirements for admission include:

1. A grade average of "B" or higher
2. A recommendation from a high school counselor or principal
3. Evidence that the student will meet or exceed Texas State freshman general admission requirements.
4. The PSAT or PLAN scores may be used in lieu of the SAT or ACT scores.

The ApplyTexas application, official high school transcripts and application fee of \$60 and all supporting documents must be submitted by the deadline. Students admitted under this option are considered non-degree seeking and are not eligible for Financial Aid. After high school graduation, those students wishing to continue at Texas State in degree-seeking status must submit their final high school transcript.

Individual Approval

Applicants who have been out of high school for at least three years and have 0-29 transferable semester hours may be considered for admission on an individual basis. Applicants must submit an official high school transcript validating high school graduation or GED completion certificate. The high school transcript or GED certificate, college transcript(s), application including one essay and information on extracurricular activities, and the application fee must be submitted by the appropriate deadline. No test score is required for admission review. Students whose record demonstrates potential for academic success at Texas State will be offered admission.

Special Talent Program

Students who receive a Fine Arts or Athletic Scholarship and are recommended for admission by the Dean of the College of Fine Arts and Communication or the Director of Athletics, but do not meet General, Predicted Academic Success or Individual Approval admission requirements, may be granted admission to Texas State. Freshman students admitted under the Special Talent Program must rank in the top three quarters of their high school class. Transfer students must have a minimum 2.00 cumulative GPA.

Non-Accredited High Schools

Graduates of non-accredited high schools must have a minimum ACT of 26 or SAT I (Critical Reasoning + Math) of 1180 and must meet the course unit requirements as outlined in the general admission requirements.

Home-Schooled

Home-schooled applicants must have a minimum ACT of 26 or SAT I (Critical Reasoning + Math) of 1180 to be considered and must show completion of the Texas Recommended or Distinguished Achievement Graduation Plan and meet the State of Texas Uniform Admission Policy (see freshman admission policy).

General Educational Development Tests

Students with medical or personal reasons for not completing high school may elect to take the General Educational Development (GED) tests. Texas State recognizes the GED tests from an applicant with no previous college work whose high school class has graduated. Students with a GED certificate may be considered for admission provided they have a minimum ACT of 26 or SAT I (Critical Reasoning + Math) of 1180.

Transient Admission

Students who have completed college work and who are working toward a degree at another college or university are eligible to be considered for transient admission. Transient admission is for the summer only. The applicant must complete an application for admission listing all colleges and universities attended. To be admissible as a transient, a student must be in good standing at

their current institution. A statement of good standing or current transcript indicating good standing at the institution of current enrollment must be submitted to the Office of Undergraduate Admissions. Upon completion of the summer work, the student may request a transcript for use in the home institution. Credit and grade points earned as a transient student at Texas State will not be used in determining regular eligibility for admission to Texas State.

Special Student Option

Students who are not working toward a degree at Texas State may be considered for admission as a Special Student. To qualify, students must either 1) verify an overall 2.25 GPA in previous college work or 2) have a high school diploma or equivalent and not have been enrolled in any secondary or post-secondary institution for the last three years. Applicants must complete an application for admission listing all colleges and universities attended and the application fee by the required deadline. Students must be eligible to return to each previous post-secondary institution (i.e., free of suspension, dismissal or enforced withdrawal). Enrollment as a Special Student is limited to a total of 24 semester hours and students must reapply each semester. Students admitted under this option are considered non-degree seeking and are not eligible for Financial Aid. Work earned as a Special Student may be considered for degree purposes only after the student has reapplied and has met general admission requirements.

Appeals

Students who wish to appeal their admission decision should submit a letter of appeal providing further information about their circumstances and an indication of their readiness for study at Texas State.

ACADEMIC BANKRUPTCY POLICY

Students who have not enrolled in any accredited college or university for five or more consecutive calendar years immediately prior to admission to Texas State may, at the time they apply for admission, request permission to declare academic bankruptcy. Under this policy all college-level work done at an earlier date is eliminated from computation of the GPA and none of it is applied toward a degree at Texas State. Such work, however, will not be removed from the student's records. Those granted academic bankruptcy are admitted on academic probation.

ACADEMIC FRESH START

Under the provisions of the Texas Education Code, the Academic Fresh Start program was established to allow a Texas resident to apply for admission and elect to have all academic course work earned 10 or more years prior to the requested enrollment date ignored for admission purposes. Individuals who choose Academic Fresh Start, including former Texas State students, must meet current published admission criteria for Texas State and must submit official records from all colleges attended. Students admitted under this provision will not receive any course credit for courses taken 10 or more years prior to enrollment. For further information, contact the Office of Undergraduate Admissions.

SECOND BACHELOR'S DEGREE

Students who have earned a bachelor's degree and wish to complete a second bachelor's degree should submit the ApplyTexas application, an application fee and a transcript from the college or university where the highest degree was obtained. Transcripts for any course work completed after the degree was earned must also be submitted. All usual deadlines apply. Students who hold a bachelor's degree and wish to pursue additional course work but not a second bachelor's degree should apply through the Graduate College.

AUDITING COURSES

Those who wish to audit a course must be accepted by the Office of Undergraduate Admissions and approved by the school, department, or program offering the course. Audit status must be declared at registration. Participation in class discussion and examinations is optional with the instructor. Auditors receive no course credit but are expected to attend class regularly. With departmental/school approval, a student who has audited a course may later take the course for credit.

TRANSFER CREDIT

Evaluation of Transfer Credit

Transfer of credit from another institution to Texas State involves consideration of accreditation, comparability of course work and applicability of that course work to a Texas State degree program. The Office of Undergraduate Admissions provides, along with the admission notification letter, an evaluated transcript that shows how each course that the student has completed has been evaluated for transfer to Texas State.

Regional Accreditation

Texas State will consider for transfer credit (subject to other provisions outlined below) course work completed at institutions which have been granted membership or candidacy status in a regional association of the Association of Colleges and Schools, excluding accrediting commissions for vocational or occupational training.

No Regional Accreditation

Course work from an institution which is neither regionally accredited nor a candidate for such accreditation will not be recognized for transfer purposes. Student appeals may be reviewed on an individual basis.

Bible College Accreditation

Courses from institutions accredited solely by AABC (American Association of Bible Colleges) are awarded transfer credit on a parallel course by course basis. Remedial courses are nontransferable. Religious courses of a doctrinal or denominational character (sacraments, Christian approaches to missions, etc.) are not transferable.

Credit from Abroad

Course work completed at foreign institutions will be evaluated on an individual basis. Foreign institutions must be officially recognized by their Ministry of Education for transfer credit to be considered.

Role of the Office of Undergraduate Admissions in Determining Transfer Credit

The Office of Undergraduate Admissions reviews each course taken at another college or university and makes the initial determination of whether or not a course is transferable. The course is evaluated for transfer credit by comparing the nature, content, and level of transfer credit and in consultation with appropriate academic units at Texas State. Courses transfer to Texas State on the same level and with the corresponding grades and number of hours as earned at the other institution. It is sometimes necessary for the transfer student to provide such materials as catalogs, course descriptions, syllabi, class assignments, or textbooks to assure proper evaluation. The holding of an associate degree from another institution has no effect on the transfer of credit or admission to Texas State.

Role of University College

The University College will review student requests for review of elective courses (ELNA, ELADV) for application to the general education core curriculum.

Role of College Dean and Program Chair/Department Chair/School Director of Student's Major

The applicability of transferred credit toward a degree at Texas State will be the decision of the college dean and the chair/director of the student's major department/school/program. The applicability of transferred credit will be evaluated on a course-by-course basis.

Explanation of Evaluation Symbols. Admissions personnel assign evaluation symbols to all courses submitted.

1. Courses that have direct Texas State course equivalency will be equated to the Texas State course number and be reflected accordingly on the evaluated transcript record.
2. Courses that hold transfer credit value, but which do not have an exact Texas State course equivalency, will transfer as elective courses. Elective courses will be recorded as ELNA (for lower-level freshman and sophomore courses) and ELADV (for upper-level junior and senior courses). Courses transferred at the lower-level cannot be equated as upper-level courses. The college dean and the chair/director of the student's major department/school/program will determine how these elective courses apply toward the student's degree.
3. Courses evaluated as Technical and Vocational (T&V) are not transferable and are not computed in the GPA for admission purposes. In cases where T&V courses support a student's degree program, the student may request the chair/director of his/her major department/school/program to review the courses. If approved, the T&V credit will be recorded on the student's official Texas State transcript for application to that degree program. Should the student's major change, the applicability of the T&V credit toward the new major will be subject to review by the chair/director of the student's new major department/school/program.
4. Courses that hold no transfer value for either admission or degree purposes are evaluated as Non-Transferable (NT).

Generally, these are courses that are remedial, preparatory, or developmental in nature.

5. Physical fitness activity courses are evaluated as Activity (ACT). These are transferable for admission and degree purposes.

Course Equivalency Information

Course equivalency information may be obtained from the junior/community college counselor, the Texas State Office of Undergraduate Admissions or through CatsWeb on the Texas State web site (www.txstate.edu). Students are encouraged to plan all course selections at the junior/community college as far in advance as possible. Proper planning and use of the equivalency information will maximize the transfer of credit to Texas State.

Texas Junior/Community College Transfer Students

Prior to transferring from a Texas junior/community college, students should discuss their course selections and degree plans with their two-year college counselor or academic advisor.

Articulation Agreements and Transfer Planning Guides

Texas State has formal articulation agreements and/or transfer planning guides with Austin Community College, Blinn College, Collin County Community College, Dallas County Community College District, Laredo Community College, Palo Alto College, San Antonio College, South Texas College, Temple College, and Victoria College. Transfer planning guides have been developed for many programs in these community colleges and for many additional programs in other community colleges. Potential transfer students may access existing transfer planning guides at www.admissions.txstate.edu/future/transfer/tpg.html.

Texas Common Course Numbering System

Under Texas Education Code 61.832, the Texas Common Course Numbering System (TCCNS) was developed to facilitate transfer of general academic courses between Texas public institutions. Common courses are included in the Community College General Academic Course Guide Manual, published by the Texas Higher Education Coordinating Board. Common course numbers may be used to determine how freshman and sophomore level courses transfer between Texas public institutions.

The common course number has a standardized four-letter prefix followed by a four-digit number, for example, ENGL 1301. The four-letter prefix identifies the subject area. Each digit in the four-digit sequence gives additional information about the course. The first digit identifies the course as either freshman level (1) or sophomore level (2). The second digit identifies the number of credit hours a student will earn upon completion of the course. Most often this digit will be a 1, 2, 3, or 4. The final two digits serve to establish the sequence in which courses are generally taken.

In the course description sections of the catalog, the common course number is shown in parentheses, for example, (ENGL 1301). The following is a list of all the common course numbers

currently adopted by Texas State. The courses that fulfill Texas State's general education core curriculum requirements are designated with an asterisk.

TCCNS	Texas State	TCCNS	Texas State
ACCT 2301	ACC 2361	BIOL 2416	BIO 2450
ACCT 2302	ACC 2362	BIOL 2420	BIO 2440
AGRI 1131	AG 1110	BIOL 2421	BIO 2400
AGRI 1307	AG 2313	BUSI 2301	BLAW 2361
AGRI 1309	AG 2390	CHEM 1111	*CHEM 1141
AGRI 1315	AG 2379	CHEM 1112	*CHEM 1142
AGRI 1419	AG 1445	CHEM 1305	*CHEM 1310
AGRI 2303	AG 2373	CHEM 1311	*CHEM 1341
AGRI 2317	AG 2383	CHEM 1312	*CHEM 1342
ANTH 2351	*ANTH 1312	CHEM 1407	*CHEM 1430
ANTH 2401	*ANTH 2414	CHEM 2123	CHEM 2141
ARAB 1411	ARAB 1410	CHEM 2125	CHEM 2142
ARAB 1412	ARAB 1420	CHEM 2323	CHEM 2341
ARAB 2311	ARAB 2310	CHEM 2325	CHEM 2342
ARAB 2312	ARAB 2320	COMM 1307	MC 1301
ARTS 1303	ARTH 2301	COMM 2311	MC 1313
ARTS 1304	ARTH 2302	COSC 1300	CS 1308
ARTS 1311	ARTF 1301	COSC 1301	CIS 1323
ARTS 1312	ARTF 1303	COSC 1400	CS 1308
ARTS 1316	ARTF 1302	COSC 1415	CS 1319
ARTS 2311	ARTF 1304	COSC 1420	CS 1428
ARTS 2313	ARTC 1301	COSC 2315	CS 2308
ARTS 2314	ARTC 1302	COSC 2425	CS 2318
ARTS 2316	ARTS 2351	CRIJ 1301	CJ 1310
ARTS 2323	ARTS 2321	CRIJ 1306	CJ 2350
ARTS 2326	ARTS 2381	CRIJ 1310	CJ 2360
ARTS 2333	ARTS 2371	CRIJ 2313	CJ 2355
ARTS 2336	ARTS 2331	CRIJ 2328	CJ 2310
ARTS 2341	ARTS 2341	DANC 1122	*DAN 1170
ARTS 2346	ARTS 2311	DANC 1128	*DAN 1170
ARTS 2366	ARTS 2391	DANC 1133	*DAN 1170
BCIS 1305	CIS 1323	DANC 1141	*DAN 1180
BCIS 2316	CIS 2324	DANC 1142	*DAN 1181
BIOL 1308	*BIO1320	DANC 1145	*DAN 1190
BIOL 1322	NUTR 2360	DANC 1146	*DAN 1191
BIOL 1406	*BIO 1430	DANC 1147	*DAN 1160
BIOL 1407	*BIO 1431	DANC 1148	*DAN 1161
BIOL 1409	*BIO 1421	DANC 1201	*DAN 2208
BIOL 2404	BIO 2430	DANC 2141	*DAN 1182
		DANC 2145	*DAN 1192

TCCNS	Texas State
DANC 2147	*DAN 1162
DRAM 1120	TH 2111
DRAM 1121	TH 2111
DRAM 1141	TH 2111
DRAM 1161	TH 2111
DRAM 1162	TH 2111
DRAM 1322	TH 1354
DRAM 1330	TH 1358
DRAM 1351	TH 1364
DRAM 1352	TH 1365
DRAM 2120	TH 2111
DRAM 2121	TH 2111
DRAM 2331	TH 2338
DRAM 2336	TH 1340
DRAM 2351	TH 2354
ECON 1301	ECO 2301
ECON 1303	FCS 1341
ECON 2301	ECO 2315
ECON 2302	*ECO 2314
ENGL 1301	*ENG 1310
ENGL 1302	*ENG 1320
ENGL 2322	*ENG 2310
ENGL 2323	*ENG 2320
ENGL 2327	*ENG 2359
ENGL 2328	*ENG 2360
ENGL 2332	*ENG 2330
ENGL 2333	*ENG 2340
ENGR 2305	TECH 2370
FREN 1411	FR 1410
FREN 1412	FR 1420
FREN 2311	FR 2310
FREN 2312	FR 2320
GEOG 1302	GEO 1309
GEOG 1303	*GEO 1310
GEOL 1147	*GEO 1105
GEOL 1347	*GEO 1305
GEOL 1403	*GEOL 1410
GEOL 1404	*GEOL 1420
GERM 1411	GER 1410
GERM 1412	GER 1420
GERM 2311	GER 2310
GERM 2312	GER 2320
GOVT 2301	*POSI 2310
GOVT 2302	*POSI 2320
HECO 1320	FM 1332
HECO 2311	FM 1330
HIST 1301	*HIST 1310
HIST 1302	*HIST 1320
HIST 2311	HIST 2310
HIST 2312	HIST 2320
HIST 2321	HIST 2311

TCCNS	Texas State
HIST 2322	HIST 2312
HUMA 1315	*ART 2313
HUMA 1315	*DAN 2313
HUMA 1315	*MU 2313
HUMA 1315	*TH 2313
ITAL 1411	ITAL 1410
ITAL 1412	ITAL 1420
ITAL 2311	ITAL 2310
ITAL 2312	ITAL 2320
ITSE 1309	CIS 1323
ITSE 1331	CIS 2324
ITSE 1344	CIS 2324
JAPN 1411	JAPA 1410
JAPN 1412	JAPA 1420
JAPN 2311	JAPA 2310
JAPN 2312	JAPA 2320
MATH 1314	*MATH 1315
MATH 1316	*MATH 1317
MATH 1324	*MATH 1319
MATH 1325	*MATH 1329
MATH 1350	MATH 2311
MATH 1351	MATH 2312
MATH 2305	MATH 2358
MATH 2313	*MATH 2321
MATH 2342	MATH 2328
MATH 2412	*MATH 2417
MATH 2413	*MATH 2471
MATH 2414	MATH 2472
MUSI 1104	MU 2123
MUSI 1211	MU 1211
MUSI 1212	MU 1213
MUSI 1216	MU 1210
MUSI 1217	MU 1212
MUSI 1303	MU 2310
MUSI 1307	MU 2303
MUSI 2160	MU 2141
MUSI 2161	MU 2141
MUSI 2211	MU 2261
MUSI 2212	MU 2263
MUSI 2216	MU 2260
MUSI 2217	MU 2262
PHED 1164	*PFW 1101
PHED 1301	PE 1310
PHED 1304	H ED 1310
PHED 1306	H ED 2354
PHED 1333	PE 2365
PHED 1336	REC 2335
PHED 1346	H ED 2338
PHIL 1301	*PHIL 1305
PHIL 2303	PHIL 2330
PHIL 2306	*PHIL 1320

TCCNS	Texas State
PHIL 2316	PHIL 2311
PHIL 2317	PHIL 2312
PHYS 1105	*PHYS 1110
PHYS 1111	*PHYS 1140
PHYS 1305	*PHYS 1310
PHYS 1307	*PHYS 1320
PHYS 1311	*PHYS 1350
PHYS 1312	*PHYS 1340
PHYS 1401	*PHYS 1410
PHYS 1402	*PHYS 1420
PHYS 2425	*PHYS 1430
PHYS 2426	*PHYS 2425
PHYS 2427	PHYS 2435
PORT 1411	POR 1410
PORT 1412	POR 1420
PORT 2311	POR 2310
PORT 2312	POR 2320
PSYC 2301	*PSY 1300
PSYC 2306	PSY 2311
SGNL 1411	ASL 1410
SGNL 1412	ASL 1420
SGNL 2311	ASL 2310
SGNL 2312	ASL 2320
SOCI 1301	*SOCI 1310
SOCI 1306	SOCI 2320
SOCW 2361	SOWK 1350
SPAN 1411	SPAN 1410
SPAN 1412	SPAN 1420
SPAN 2311	SPAN 2310
SPAN 2312	SPAN 2320
SPCH 1144	COMM 2111
SPCH 1145	COMM 2111
SPCH 1311	*COMM 1310
SPCH 1315	COMM 2338
SPCH 1318	COMM 2315
SPCH 1342	COMM 1340
SPCH 2144	COMM 2111
SPCH 2145	COMM 2111
SPCH 2333	COMM 2330

TRANSCRIPTS

Official Texas State transcripts separate transfer course work and grades from Texas State course work and grades. The transfer GPA is used to determine eligibility for admission purposes. Credits transferred are included in the total hours the student has earned, but the grades and quality points do not affect the student's Texas State GPA.

MAXIMUM HOURS ACCEPTED

Texas State will apply to a specific degree no more than 66 semester hours from an accredited junior/community college (at the approval of the individual dean, 6-8 hours may be added). At the time of the transfer, all transferable work completed at a junior/

community college will be recorded on the official transcript. If the number of hours transferred from a junior/community college exceeds 66 hours, it will be the responsibility of the chair/director to recommend to the academic dean how the student will satisfy degree requirements.

RESOLUTION OF TRANSFER DISPUTES FOR LOWER-DIVISION COURSES

- a. The following procedures shall be followed by public institutions of higher education in the resolution of transfer credit disputes involving lower-division courses:
 1. If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied.
 2. The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Board rules and/or guidelines.
 3. If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date the student received written notice of denial, the institution whose credit is denied for transfer shall notify the Commissioner of the denial.
- b. The Commissioner of Higher Education or the Commissioner's designee shall make the final determination about the dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.
- c. All public institutions of higher education shall publish the procedures described in sub-sections (a) and (b) of this section in their undergraduate course catalogs.
- d. All public institutions of higher education shall furnish data to the Board on transfer disputes as the Board may require in accord with its statutory responsibilities under Section 61.826 of the Education Code.
- e. If a receiving institution has cause to believe that a course being presented by a student for transfer from another school is not of an acceptable level of quality, it should notify the Commissioner of Higher Education. The Commissioner may investigate the course. If its quality is found to be unacceptable, the Board may discontinue funding for the course.

NON-TRADITIONAL CREDIT

Students admitted to Texas State may earn academic credit for learning or experience they have completed before enrolling. Three types of non-traditional credit are summarized below. For further information, contact the Office of Undergraduate Admissions.

CREDIT FOR EXPERIENTIAL LEARNING

The Office of Occupational Education is the only academic unit at Texas State that awards academic credit for experiential learning. Such credit is validated after enrollment at Texas State according to established criteria and is forwarded to the Office of Undergraduate Admissions for posting to the student's record. Should a student change majors, the validation of extra-institutional credit will be re-evaluated by the new department/school.

MILITARY CREDIT

The Office of Undergraduate Admissions will review course work from educational experience obtained in the Armed Forces. In accordance with Education Code Section 51.3042, eligible former members of the armed forces admitted as an undergraduate student or readmitted as an undergraduate student will be given course credit for all physical education courses Texas State requires for an undergraduate and for additional semester credit hours, not to exceed 12, to satisfy any elective course requirements for the student's degree program for courses outside the student's major or minor. Two hours of physical education activity credit will be awarded by the Office of Undergraduate Admissions upon receipt of Form DD214 that verifies 2 Years of active military duty. The student must also submit an official high school transcript.

Other military course work may be considered for transfer credit. Acceptable forms of documentation that may be submitted include:

1. AARTS Transcript (Army ACE Registry)
2. CCAF Transcript (Community College of the AirForce)
3. SMART Transcript (Sailor/Marine ACE Registry)
4. Form DD214 (Report of Separation)
5. Form DD295 (Application for the Evaluation of Learning Experience During Military Service)

Texas State grants credits for the lower and upper division baccalaureate category but does not award credit for vocational or graduate level work. Evaluations will be completed after enrollment and transfer credit is subject to approval by the student's major department/school.

CREDIT-BY-EXAMINATION

Credit earned through examination may be awarded Texas State transfer credit when listed on an official transcript of the college or university where the student has been enrolled. Such credits are evaluated by transfer credit criteria and awarded grades of credit (CR) only. Credit by exam satisfies degree requirements in the same way as credit earned by passing courses does except that it does not count as credit earned in residence.

The following options are available: 1) the College Board's Advanced Placement Examination Program (APP), 2) College Level Examination Program (CLEP), 3) SAT II Subject Tests, 4) International Baccalaureate (IB) Program, and 5) departmental examinations where available. Credit established in this manner through the TREC will be recorded as "credit only" ("CR") on the transcript and will not affect the GPA. Texas State is an institutional testing center and only those students who have attended Texas State or are currently enrolled are eligible to participate in the Credit by Examination program. Note that evidence of credit established by any of these means must be processed by the Center before it can be entered on a transcript. More detailed materials on this and other TREC programs are available at the TREC website, www.txstate.edu/trec/.

INTERNATIONAL BACCALAUREATE (IB)

Texas State will grant 24 semester hours or equivalent course credit in appropriate subject areas for all International Baccalaureate (IB)

exam scores of 4 or higher for an entering freshman who has earned an IB diploma. IB students should submit an official transcript of grades (diploma or certificate) to the Testing, Research-Support and Evaluation Center.

NEW STUDENT ORIENTATION AND REGISTRATION FOR CLASSES

Freshman and transfer students entering Texas State for the first time are required to attend New Student Orientation. These special programs for freshman and transfer students are held before each semester to provide information about student services, class scheduling, and university resources. Additionally, these sessions include academic advisement and course registration for new students. All new freshmen and transfers who have fulfilled Texas State's admission and housing requirements will be mailed orientation information prior to the semester for which they plan to enroll.

RESIDENCY FOR TUITION

The determination of residency classification for tuition purposes is governed by statutes enacted by the Texas Legislature and rules and regulations promulgated by the Texas Higher Education Coordinating Board. A student or applicant is classified either as a resident of Texas, a non-resident, or a foreign student for tuition purposes. An individual's residency classification is based on information from his or her admission application. If an applicant or student is classified as a non-resident and wishes to be considered for reclassification as a resident, it is necessary to submit the Residency Core Questions available from the Office of Undergraduate Admission. Documentation may be requested by the institution in order to resolve issues raised by the information provided in response to the Residency Core Questions.

Texas Higher Education Coordinating Board Rules include the following provisions covering some of the more common residency situations. They are neither exhaustive nor complete and should not be interpreted as such. Full regulations are available at www.collegefortexans.com/Residency.

DETERMINATION OF RESIDENCE STATUS

- a. The following persons shall be classified as Texas residents and entitled to pay resident tuition:
 1. a person who graduated from a public or accredited private high school in this state or received the equivalent of a high school diploma in this state, and maintained a residence continuously in this state for the thirty-six months immediately preceding the date of graduation or receipt of the diploma equivalent, as applicable; and the 12 months preceding the census date of the academic semester in which the person enrolls in an institution;
 2. a person who established a domicile in this state not less than 12 months before the census date of the academic semester in which the person enrolls in an institution; and maintained a residence continuously in the state for the 12 months immediately preceding the census date of the academic semester in which the person enrolls in an institution; and
 3. a dependent whose parent established a domicile in

this state not less than 12 months before the census date of the academic semester in which the person enrolls in an institution; and maintained a residence continuously in the state for the 12 months immediately preceding the census date of the academic semester in which the person enrolls in an institution.

- b. The following non-U.S. citizens may establish a domicile in this state for the purposes of subsection (a)(2) or (3) of this section:
 1. a Permanent Resident;
 2. a person who is eligible for permanent resident status;
 3. an eligible nonimmigrant that holds one of the approved types of visas. A complete list is available at www.collegefortexans.com/residency;
 4. a person classified by the USCIS as a Refugee, Asylee, Parolee, Conditional Permanent Resident, or Temporary Resident;
 5. a person holding Temporary Protected Status, and Spouses and Children with approved petitions under the Violence Against Women Act (VAWA), an applicant with an approved USCIS I-360, Special Agricultural Worker, and a person granted deferred action status by USCIS;
 6. a person who has filed an application for Cancellation of Removal and Adjustment of Status under Immigration and Nationality Act 240A(b) or a Cancellation of Removal and Adjustment of Status under the Nicaraguan and Central American Relief Act (NACARA), Haitian Refugee Immigrant Fairness Act (HRIFA), or the Cuban Adjustment Act, and who has been issued a fee/filing receipt or Notice of Action by USCIS; and
 7. a person who has filed for adjustment of status to that of a person admitted as a Permanent Resident under 8 United States Code 1255, or under the "registry" program (8 United States Code 1259), or the Special Immigrant Juvenile Program (8 USC 1101(a)(27) (J)) and has been issued a fee/filing receipt or Notice of Action by USCIS.
- c. The domicile of a dependent's parent is presumed to be the domicile of the dependent unless the dependent establishes eligibility for resident tuition under subsection (a)(1) of this section.
- d. A domicile in Texas is presumed if, at least 12 months prior to the census date of the semester in which he or she is to enroll, the person owns real property in Texas, owns a business in Texas, or is married to a person who has established a domicile in Texas. Gainful employment other than work-study and other such student employment can also be a basis for establishing a domicile.
- e. The temporary absence of a person or a dependent's parent from the state for the purpose of service in the U.S. Armed Forces, Public Health Service, Department of Defense, U.S. Department of State, as a result of an employment assignment, or for educational purposes, shall not affect a person's ability to continue to claim that he or she is a domiciliary of this state. The person or the dependent's parent shall provide documentation of the reason for the temporary absence.

- f. The temporary presence of a person or a dependent's parent in Texas for the purpose of service in the U.S. Armed Forces, Public Health Service, Department of Defense or service with the U.S. Department of State, or as a result of any other type of employment assignment does not preclude the person or parent from establishing a domicile in Texas.

Exceptions. A non-resident or foreign student may qualify to pay in-state tuition. Questions and documentation should be directed to Student Business Services.

1. The student or student's spouse or parent is a member of the Armed Forces or a commissioned officer of the Public Health Service and is stationed in Texas. (Military and Public Health Service personnel who maintain their official home of record as Texas or who meet the criteria for establishing a domicile in Texas are considered to be Texas residents.)
2. The student or student's spouse or parent is employed at least half-time as a teaching or research assistant in a position related to the assistant's degree program at a Texas public institution of higher education.
3. The student or student's spouse or parent is employed at least half-time on a regular monthly salaried basis as a teacher or professor at a Texas public institution of higher education.
4. The student holds an approved competitive scholarship from Texas State of at least \$1000 for the academic year or summer awarded by an official Texas State scholarship committee.
5. The student or student's spouse or parent has located in Texas as an employee of a business or organization that became established in this state as part of the state economic development and diversification program. (Refer to www.collegefortexans.com/Residency for a list of qualified employers.)
6. The student is a New Mexico resident who resides in a county bordering Texas.
7. The student is a Louisiana resident who resides in a parish bordering Texas.
8. The student is a resident of Mexico who has demonstrated a financial need.

ALBERT B. ALKEK LIBRARY

Alkek Library

www.library.txstate.edu

T: 512. 245.2133 F: 512. 245.0392

The Alkek Library contains more than 1.4 million volumes of books, documents, serials and other printed material. The library provides access to 97,000 electronic journals, 155,000 ebooks, 300+ databases, and a half-million microform and audiovisual materials. Over 2,000 software programs are available for use in the public computer lab.

The library is a selective depository for U.S. and Texas government documents. Special holdings of the library include The Wittliff Collections, including the Southwestern Writers Collection and the Southwestern and Mexican Photography Collection, the University Archives, and the textbooks and curriculum materials approved by the Texas Education Agency for grades K-12. The library hosts eCommons, an institutional repository, or digital collection of the intellectual output of Texas State University (ecommons.txstate.edu).

An online catalog, accessible through the library's website, provides information on the library's holdings. Wireless access to the university network is available within the library. Other support facilities include laptop computers that may be checked out for building use and a computer lab with IBM compatible and Macintosh workstations. Lab equipment also includes laser printers, scanners, video editing equipment, and adaptive equipment for disabled individuals.

The library maintains cooperative borrowing agreements with other libraries in the region. Through TexShare, a statewide resource sharing program, faculty and students may borrow materials at most of the public and private university libraries as well as community college libraries in the state. Books and reserve materials may be transferred, by request, to the Texas State Library in Round Rock.

CAREER SERVICES

LBJ Student Center 5-7.1

www.careerservices.txstate.edu

T: 512.245.2645 F: 512.245.3993

Through Career Services, students have access to a wide array of career-related programs, resources, and personal support.

Career Planning

Individual career counseling and planning assistance is available to students as they select a major and establish their career goals. Career assessments and web-based guidance programs are available to facilitate this process. In addition, counselors will review job search materials and assist with post-graduate program applications.

Part-Time/Summer Employment

Resources are available to help students find part-time and summer jobs. Working helps students pay for their education and gain experience and skills useful in their future careers.

Internships/Job Shadowing

Internship programs are available to refine career goals, gain practical experience, and expand students' views of the world. Job Shadowing is an externship experience that also provides these opportunities for students who spend time with professionals inside various organizations, gaining firsthand knowledge about different career fields.

Job Search Strategies and Activities

Walk-in career coaching and job search preparation workshops focus on resume and cover letter writing, interviewing techniques, salary negotiations, business etiquette and many other topics to help polish a student's professional image.

Employer Connections

The Career Information Center provides resources to assist students as they research career fields and specific employers. Among these resources are our own job search database, Jobs4Cats, and American Business Journals, an online job market snapshot of nearly 40 major U.S. cities. Networking opportunities are provided through two "All Majors" job fairs: The Fall Job and Internship Fair (October) and The Spring Job and Internship EXPO (February). Several other, more specific, job fairs include the Health Professions and Social Services Job Fair (October), two Construction Job Fairs (October and February), the Mass Comm Career Fair (October), the Environmental Job and Internship Fair (November), two Teacher Job Fairs (November and April), the Summer Job Fair (February), the Science, Engineering and Technology Job and Internship Fair (February), the Non-Profit Career Fair (April), and a Virtual Part-Time Job Fair in July and August. These fairs bring hundreds of employers to campus, with both internship and full-time opportunities for students. Additional networking is available through on-campus interviews, employer presentations and panels, resume referrals, online job vacancy postings, and recommended Internet job search links.

DISABILITY SERVICES

LBJ Student Center 5-5.1

www.ods.txstate.edu

T: 512.245.3451 F: 512.245.3452

Texas State does not discriminate on the basis of disability in the recruitment and admission of students. Students with disabilities must meet the same admission requirements as other students. A student whose educational and/or personal goals for success have been negatively impacted due to disability-based reasons may wish to address this in the supplemental essay portion of the admission application. This information may be considered by the Undergraduate Admissions Office during the application review process.

The Office of Disability Services (ODS) at Texas State assists students with disabilities to independently achieve their educational goals and enhance their leadership development by providing reasonable and appropriate accommodations. The ODS facilitates access to university programs, services and activities in the most integrated setting appropriate. In order to qualify for services, a student must provide the ODS with verification of disability. Students with learning disabilities must provide an evaluation, which has been completed within the last five years. To ensure a timely review of documentation and provision of support services, students are requested to provide verification of disability at least thirty days prior to attendance at Texas State. Students needing sign language or oral interpreting services for admissions counsel-

ing, academic advising and orientation services should contact ODS one week prior to the event to ensure interpreter availability. Students with disabilities may be entitled to financial assistance from the Department of Assistive and Rehabilitative Services, Texas Commission for the Blind, or the Department for Deaf and Hard of Hearing Services.

Texas State has established a grievance procedure for the prompt and equitable resolution of complaints related to illegal discrimination on the basis of disability. This grievance procedure is described in UPPS No. 04.04.46, Prohibition of Discrimination or Harassment Based on Race, Color, National Origin, Age, Sex, Religion, Disability or Sexual Orientation. A copy is available in the university library, the Office of Disability Services and most other university offices. Students who have concerns or complaints should contact the Director of Disability Services at 512.245.3451 or the university ADA Coordinator at 512.245.2278.

FINANCIAL AID

JCK Building 240

www.finaid.txstate.edu

T: 512.245.2315 F: 512.245.7920

Texas State makes every effort to help students who need assistance in paying for the cost of their education. Various financial aid programs are available. Interested students should contact Financial Aid and Scholarships.

Federal and State Aid Programs

Texas State participates in both federal and state financial aid programs. Financial Aid and Scholarships offers grants, work-study, student and parent loans, scholarships and other types of aid. Students with sufficient financial need can benefit from such grants as the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Academic Competitiveness Grant, National SMART Grant, TEACH Grant, TEXAS Grant, Texas State Tuition Grant and Texas Public Educational Grant. To ensure the efficient and timely processing of federal student and parent loans, Texas State is contracted with the U.S. Department of Education through the William D. Ford Federal Direct Loan Program.

Applying for Financial Aid

To apply for financial aid, a student must complete and submit the Free Application for Federal Student Aid (FAFSA) online at www.fafsa.ed.gov and include the Texas State University school code – 003615.

Deadlines

- March 31 is the priority date for filing a Free Application for Federal Student Aid (FAFSA) for the upcoming academic year (fall and spring). If the deadline is missed, a student may still apply and receive some type of assistance such as the Pell Grant and student loans.
- March 1 is the priority deadline for filing the separate summer financial aid application prior to the upcoming summer

semester. This separate summer application, which can be found online at www.finaid.txstate.edu, is in addition to filing the appropriate FAFSA.

Veterans Benefits

Eligible students may qualify for veterans educational benefits as well as federal financial aid. Some veterans benefits can affect the amount of federal financial aid a student may receive. Students who are veterans should consult the Veterans Affairs section of this catalog.

Application of Financial Aid Funds toward Registration Charges
Institutional policy requires students to apply their financial aid funds to their tuition and fees. To pay the registration bill and apply any available financial aid funds, a student may:

- Visit www.txstate.edu and click on Pay Tuition to apply any available aid directly to their registration bill.
- Visit www.finaid.txstate.edu and click on My Financial Aid for specific award details.
- For information regarding billing statements or payment of charges, contact Student Business Services at 512.245.2544.

REQUIREMENTS FOR MAINTAINING FINANCIAL AID

Enrollment Status

Students receiving assistance from any of the above-mentioned financial aid programs must be enrolled at least half-time. Half-time enrollment for a baccalaureate, certification seeking, or second baccalaureate student is 6 semester hours during a long semester or a total of 6 semester hours during the summer sessions. Financial aid recipients who withdraw from Texas State may be required to repay all or a portion of the financial aid they received based upon U.S. Department of Education guidelines.

Academic Progress Requirements

Federal regulations require financial aid recipients to be making Satisfactory Academic Progress (SAP) toward a degree or eligible certification program. SAP is evaluated at the end of each academic year (end of spring semester). There are three standards (see below) a student must meet to maintain SAP. More information may be found at www.finaid.txstate.edu.

Minimum Cumulative Texas State GPA Requirement

Freshman (1-29 hours)

1.85

Sophomore – Senior

2.0

2nd Bachelor's

2.5

Certification

2.5

Hours Completion Rate Requirement

Students must complete 70% of attempted coursework during each evaluation period (i.e., summer/fall/spring).

Maximum Allowed Credit Hours Requirement

Bachelor's

192

2nd Bachelor's

45

Certification

90

Appeal Process

In the event that a student has been placed on financial aid suspension, because they do not meet the quantitative or qualitative standards for SAP, they may file an appeal. Appeals will only be approved in the case of mitigating circumstances. There is no guarantee of approval. Mitigating circumstances may include, but are not limited to, a death in the family, illness of the student, or any undue hardship that prohibits the successful completion of coursework. Circumstances will be evaluated by the reviewer of the appeal. Any student who wishes to appeal the loss of their financial aid due to their not meeting Satisfactory Academic Progress must do so through the following appeals process. Under normal circumstances, an appeal to waive the conditions stated above must be made in the following order:

- a. To the Financial Aid Counselor (appeal 1);
- b. To the Assistant/Associate Director (appeal 2);
- c. To the Director (appeal 3);
- d. To the Financial Aid Advisory, Appeals and Scholarship Committee (appeal 4 and final appeal level).

An appeal must include the following:

- a. Student's name, Texas State ID number and email address.
- b. A written description of the mitigating circumstances.
- c. Documentation to support any claims.
- d. If appealing because the student has exceeded the maximum timeframe or because of a change in major, a degree plan from an academic advisor must be submitted showing the number of hours remaining until graduation.
- e. A description of the steps taken by the student to remedy the situation.
- f. The student's signature.

NOTE: Appeals not submitted within the prescribed timeline indicated below or submitted without documentation will not be considered. Once a student is first notified (in oral or written form) of their being ineligible for financial aid (financial aid suspension), the student has ten (10) working days to submit an appeal. If a student is denied an appeal at any level (with the exception of a level 4 appeal) and wishes to appeal to the next level, the student must submit a written notice of appeal to the next level within ten (10) working days after receiving an oral or written notice of the decision at the previous level.

Texas State E-Mail

Account. Every new student enrolling at Texas State is provided an e-mail account. The Texas State e-mail account is the sole method of written communication with students regarding financial aid. Students will not be contacted through their private accounts such as hotmail, yahoo, AOL, etc. Therefore, it is important that students check their Texas State e-mail account daily for important financial aid information.

Other Financial Assistance

Scholarships

Scholarships are available to qualified students on a competitive basis. The Texas State General Scholarship Application is different from the FAFSA and can be obtained at www.finaid.txstate.edu. The online scholarship application for freshman and transfer students is available at www.applytexas.org. December 15 is the competitive scholarship deadline for incoming freshmen. The deadline for continuing and incoming transfer students is March 1. Students who are not Texas residents and receive a Texas State competitive scholarship of at least \$1,000 may be eligible to pay resident tuition.

Alternative Loan Resources

Some lending institutions offer student loans without processing a FAFSA. These are not federal loans, and most of these programs require school certification of eligibility. While Texas State does not promote these types of loans, Financial Aid and Scholarships does encourage all students to review carefully the repayment requirements, interest rates and other important aspects of the various alternative loan programs before deciding which loan is best suited to meet their needs.

TEXAS Grant Award Renewal

Students interested in renewing their TEXAS Grant award must do so by filing their FAFSA no later than March 31 prior to the upcoming academic year. Students who have an incomplete file as of October 1 will not be eligible to renew their TEXAS Grant award.

Short-Term Assistance

Students who need short-term/emergency assistance may borrow from \$50 to \$400. This short-term loan must be repaid within the semester it is borrowed. Students must be enrolled at least half-time, have at least a 2.0 Texas State GPA, no holds on their record and no defaults on previous short-term loans. Students who need assistance in paying tuition at registration may apply for the Emergency Tuition Loan (ETL) online at CatsWeb, click on Student Services and then click on Emergency Tuition Loan Application.

Refunds and the Return of Title IV Funds Policy

If a student withdraws or is expelled from Texas State, the student may be required to return all or a portion of the federal funds awarded to him or her. The student may also be eligible for a refund for part of the tuition and fees and/or room and board paid to Texas State for the semester. Any refund amount will first be applied toward the repayment due to the federal government.

To Withdraw

The student must complete the form entitled "Texas State Official Withdrawal Request" from the Registrar's Office. Financial aid recipients should speak with Financial Aid and Scholarships before the withdrawal is processed. The withdrawal date is defined as the date on which a student first indicates his or her intent to withdraw.

Two different refund calculations are applicable for a federal financial aid recipient who withdraws. These two refund calculations are the school refund calculation and the federal aid refund calculation.

Institutional Refund

Texas State's refund policy exists for calculating the refund of institutional charges. Texas State's Tuition and Fee Refund Policy can be found in the Refunds and Withdrawal section of the current semester's Schedule of Classes. If the amount of charges actually paid, either at registration or installment, is greater than the amount owed to Texas State at the time of withdrawal, students who withdraw from Texas State may receive a refund of tuition and refundable fees. Consult the Residence Life section of this catalog for information on the room and board refund schedule.

Federal Financial Aid Refund

The federal "Return of Title IV Funds" formula exists for calculating the amount of Federal Title IV aid that must be returned to the federal government – financial aid which the student is not entitled to retain per federal regulations. The federal formula is applicable to students who receive federal financial aid and withdraw on or before the 60% completion point. The federal formula requires that the unearned portion of Title IV funds be returned to the government if the student receives federal financial assistance in the form of a Pell Grant, Federal Supplemental Educational Opportunity Grant (FSEOG), Academic Competitiveness Grant, National SMART Grant, TEACH Grant, LEAP Grant, Perkins Loan, Federal Direct or Stafford loan, or Federal Direct or Stafford Parent Loan (PLUS). Students that withdraw unofficially will be withdrawn as of the 50% point in time. Worksheets used to determine the amount of refund or Return of Title IV aid are available upon request.

RESIDENCE LIFE

J C Kellam 320/380

www.reslife.txstate.edu

T: 512.245.2382 F: 512.245.7619

University Housing Policy

In support of the educational mission of Texas State and the value of the on-campus life to the academic success of most students, all unmarried students under 21 years of age who have completed fewer than 56 credit hours must reside in university residence halls. Students are required to sign a room and board contract that is binding for the full academic year. Exceptions may be granted if a student lives at home with a parent or is married. These students must complete an Off Campus Request Form and submit it to

Residence Life with sufficient documentation to support the information given. Students who will have completed at least 56 credit hours or are at least 21 years of age do not need to submit an off campus request prior to the contract period.

Living On-Campus

Ask someone about their college experience, and they're likely to relate stories of the most exciting, intense and memorable times of their life. These memories will almost always relate to their experience in a residence hall. A campus environment is an atmosphere where lifetime friendships are formed, ideas and ideals are exchanged, and a whole world of opportunity and potential is spread before those willing to explore, study and get involved. In fact, many of these experiences occur outside the classroom in the living and social environment of the residence halls.

It is our mission to provide you with an environment that will contribute to your academic and social success as well as providing you with skills necessary to be successful in your career choice. Research on-campus and nationally has shown that, when compared to those living elsewhere, students living in the residence halls are more fully involved in academic and extracurricular activities, and tend to earn a higher GPA.

Texas State provides a variety of settings for these experiences, offering living options for over 6,500 students in 21 residence halls and 5 university-managed apartment complexes, including Bobcat Village, Clear Springs, Comanche Hills, Campus Colony and Riverside.

Dining On-Campus

No matter what you like to eat, when you want to eat, or whom you want to be with, our food plans have your needs in mind. We offer four dining plans so you can pick the one that best fits your schedule, eating preferences, and pocketbook.

Applying to Live On Campus

Contracts for on-campus housing are distributed and accepted only after you have been admitted to Texas State.

Cancellation Deadlines

Once your contract has been signed and returned, cancellation deadlines must be met for a deposit to be refunded. Please see our contract for specific cancellation details.

VETERAN'S AFFAIRS

J C Kellam 111

www.va.txstate.edu

Email: veteransaffairs@txstate.edu

T: 512.245.2641 F: 512.245.3271

Students attending Texas State while receiving educational assistance under one of the public laws for veterans and/or their dependents must contact the Texas State Office of Veterans Affairs to complete the required forms. Information and forms are also available on our website www.va.txstate.edu.

New and transfer students applying for educational benefits under the U.S. Department of Veterans Affairs for the first time must provide the Office of Veterans Affairs with a photocopy of the DD214 Member 4 form, "Certificate of Release or Discharge from Active Duty." Reserve and National Guard members applying for Chapter 1606 benefits must provide DD 2384 form: "Notice of Basic Eligibility." In addition, they must provide a copy of their Military Transcript (AARTs for Army, Smart for Marine Corps and Navy and CCAF for Air Force) and a Change of Place of Training VA Form 22-1995 for transfer students. Active duty military and dependents are exempt from the above requirements. All students must provide a copy of their Degree Audit Report (DAR) for their major and must follow the degree requirements in order to receive the maximum payout of their benefit. It is your responsibility to notify the Office of Veterans Affairs of any adds, drops, course, or program changes.

Benefit payments are made at the end of each month. Any student enrolling under any of the provisions for VA educational benefits should bring sufficient funds to defray the initial cost of tuition, fees, and living expenses for approximately three (3) months.

As a graduate student receiving veteran benefits, you must file with the Office of Veterans Affairs an official master's degree outline, a certification deficiency plan, or other similar documentation showing the requirements needed to accomplish your objective. It is your responsibility to notify the Office of Veterans Affairs of any adds, drops, course, or program changes.

Student eligibility for the Hazlewood Exemption was changed during the last legislative session. Please check with the Office of Veterans Affairs for information about the Hazlewood Exemption to see if your eligibility status has changed. Applications and information sheets for the Hazlewood Exemption may be obtained at the Office of Veterans Affairs or at www.va.txstate.edu.

Tuition and Fees

Information regarding tuition and fees per semester credit hour for a specific semester may be obtained at www.sbs.txstate.edu/students/information.html.

Texas State reserves the right to change fees in keeping with the acts of the Texas Legislature and the Board of Regents of The Texas State University System. The payment of all fees entitles the student to admission to classes; admission to auditorium and athletic attractions; subscription to The University Star; use of the Student Center and Recreational Sports Center, health services, and Sewell Park facilities; and group use of the Wimberley Camp. These fees also help provide funds for the Associated Students, band, choir, dramatics, debate and other student activities.

Tuition

Summer Offerings Other Than the Traditional Six-Week Terms. The tuition and fees credit hour rate for any course of less than six-weeks duration will be the same as the tuition and fees credit hour rate for the traditional six-week term. The tuition and fees credit hour rate for any term of more than six-weeks duration will be the same as the tuition and fees credit hour rate for a regular semester of the school year.

Tuition for Excessive Undergraduate Hours. Texas Education Code §54.014 specifies that resident undergraduate students may be subject to a higher tuition rate for attempting excessive hours at any public institution of higher education while classified as a resident student for tuition purposes. Texas State students attempting hours in excess of their degree program requirements will be charged at the non-resident tuition rate for those hours, and those students are categorized as follows:

1. Students initially enrolled during or after the fall 2006 semester will be charged at the non-resident rate if, prior to the start of the semester or session, the student has previously attempted 30 or more hours over the minimum number of semester credit hours required for completion of the degree program in which the student is enrolled.
2. Students initially enrolled during the fall 1999 through summer 2006 semesters will be charged at the non-resident rate if, prior to the start of the semester or session, the student has previously attempted 45 or more hours over the minimum number of semester credit hours required for completion of the degree program in which the student is enrolled.

Attempted courses include those courses attempted at Texas State or any Texas public institution of higher education. The following types of credit hours will count toward the excessive hour limit:

- Hours earned in courses in which a grade is earned on the transcript, including repeated courses and courses dropped with a grade of "W"
- Hours in Texas State off-campus courses
- Bankruptcy hours

The following types of credit hours are exempt and will not count toward the limit:

- Hours earned after a baccalaureate degree
- Hours earned through examination (without registering for a course)
- Hours from remedial and developmental courses
- Hours from technical and vocational or workforce education courses
- Hours earned by the student at a private institution or an out-of-state institution
- Hours attempted prior to declaration of fresh start
- Hours earned toward a second baccalaureate degree
- Hours earned through CLEP
- Hours earned in audited courses
- Hours earned in graduate level courses
- Hours earned by extension course
- Hours earned through correspondence if the course is not formula funded
- Hours earned as a non-resident
- Hours earned before graduating from high school and used to satisfy high school graduation requirements

Appeals due to economic hardship are permitted under defined institutional policy. Texas State has determined that students who are eligible for financial aid under the Federal Pell Grant (Pell) program will be exempted from the non-resident tuition if, at the time of registration, their Pell eligibility is documented in

the financial aid system at Texas State. Students who become Pell eligible, during the semester in which they are charged the non-resident tuition, may submit eligibility documents to the Student Business Services office no later than the official last class day of the semester in which the appeal is being requested.

Tuition Rebate Program. Under Texas Education Code §54.0065, qualified students will receive up to a \$1,000 tuition rebate upon graduation from Texas State. To be eligible for this rebate, a student must meet all of the following conditions:

1. The first enrollment in any institution of higher education must be in the fall 1997 semester or later.
2. The student must have received his/her baccalaureate degree from a Texas public university.
3. The student must be a resident of Texas and entitled to pay resident tuition at all times while pursuing the degree.
4. If enrolled for the first time in fall 2005 or later, the student must graduate within four calendar years from the first semester enrolled for a four-year degree or within five calendar years for a five-year degree. Note that the four- or five-year time limit prescribed begins on the first day of the month for enrollment in the semesters described as follows: September for a fall semester, January for a spring semester, June for summer I, and August for summer II. For example, a student enrolling for the first time in fall 2006 for a four-year degree must complete that degree not later than September 1, 2010 to be eligible for the rebate.
5. The student must attempt no more than three hours in excess of the minimum number of semester credit hours required to complete the degree under the catalog under which he/she graduates. Hours attempted include transfer credits, course credit earned exclusively by examination, courses that are dropped after the official census date (twelfth class day fall and spring semesters, fourth class day summer sessions including mini-session), for-credit developmental courses, optional internship and cooperative education courses, and repeated courses. For students concurrently earning a baccalaureate degree and a Texas teaching certificate, required teacher education courses shall not be counted to the extent that they are over and above the free electives allowed in the baccalaureate degree program. Courses dropped for reasons that are determined by the institution to be totally beyond the control of the student shall not be counted.

This tuition rebate program is designed to provide a financial incentive for students to complete their baccalaureate studies with as few extraneous courses as possible. To earn the rebate, it is particularly important to follow the advice and counsel of the academic advisors. Students must apply for the Tuition Rebate Program no sooner than the first day of class of the semester in which the student plans to graduate and not later than the business day immediately preceding graduation. Students must consult with their academic advisor to assure they meet all requirements to qualify for this program. Rebates will first be applied to outstanding obligations owed to Texas State prior to funds being issued to the student.

Appeals due to hardship are permitted under defined institutional policy. Effective for students who enroll for the first time in fall 2005 or later, an otherwise eligible student may be eligible for a

rebate without satisfying the above requirements, if the student is awarded a baccalaureate degree and the college dean certifying the degree has determined, with the completion of a Tuition Rebate Hardship Justification form, that the student has demonstrated a hardship under any of the following conditions:

- a severe illness or other debilitating condition that may affect the student's academic performance;
- an indication that the student is responsible for the care of a sick, injured, or needy person and that the student's provision of care may affect his or her academic performance; or
- performance of active duty military service.

SPECIAL FEES AND CHARGES

Admissions Application Fee	\$40.00
Admissions/Evaluation Fee for International Applicants	\$75.00
Advising Fee	
Fall/Spring semesters	\$45.00
Summer sessions	\$22.50
Auditing Fee	same as if course were taken for credit
Certificate Fee (payable when applying for teacher certification)	
Texas Standard Certificate	\$77.00
Correspondence Instruction (per three-hour course)	\$546.00
Deficiency Plan Fees (for students seeking teacher certification)	
First Plan	\$75.00
Additional Plans (each)	\$25.00
Delinquent Installment Fee (for installments not paid by due dates)	\$15.00
Electronic Course Fee (per semester credit hour)	\$50.00
Evaluation of Foreign Credentials (for domestic applicants)	\$35.00
Extension Instruction (per three-hour course)	\$571.00
Installment Service Fee (for handling & other processing)	\$10.00
Late Registration Fee (for processing after advance registration)	\$10.00
Matriculation Fee (for withdrawals prior to 1st class day)	\$15.00
Off-Campus Course Fee (per semester credit hour)	\$30.00/semester credit hour
Orientation Fee (mandatory, non-refundable)	\$25.00
Physical Therapy Application Fee	\$50.00
Post-Baccalaureate Teaching Intern Application Fee	\$300.00
Reinstatement Fee (for processing during the same semester of a withdrawal)	\$50.00
Returned Item Fee (for handling & other processing)	\$30.00
Schedule Change Fee (maximum*)	\$10.00

Special Late Registration Fee (for processing after classes begin)	\$50.00
Transcript Fee (official copy)	\$5.00
Student Health Center Fee for Overdue Accounts	\$5.00

Some fees are waived for students taking classes exclusively in Round Rock.

A fee of \$2.00 will be charged for each change of schedule a student makes after the schedule has been filed during the normal registration add/drop process. A drop fee of \$10.00 will be charged for each drop thereafter.

Campus Parking/Vehicle Registration Fee

Every student, faculty, and staff person who operates or parks a vehicle on campus must:

- register the vehicle at Parking Services
- purchase a permit
- properly display the permit anytime the vehicle is parked on campus
- become familiar with and abide by the traffic and parking rules. The rules are enforced at all times throughout the year. The purchase of a permit and registration of the vehicle does not guarantee a parking space.

Fees for vehicle registration will be published each year in the Schedule of Classes and in the official rules and regulations. You may register your vehicle on-line at www.parking.txstate.edu.

Additional information concerning the purchase and issuance of parking permits may be obtained by contacting Parking Services at 512.245.2887.

Course Repeat Fee

The Texas Legislature eliminated funding to higher education for courses that are attempted three or more times. An attempted course is defined as any course in which a grade is earned on the transcript, including repeated courses and courses dropped with a grade of "W".

In order to compensate for this loss of state funding, students attempting a course for the third or more time may be charged a fee in addition to the tuition charged for the course. This fee will be assessed for courses attempted at Texas State as of the fall semester of 2002 or later. This assessment does not include courses attempted at other colleges or universities.

Certain courses are exempt from this fee because they are designed to be repeated for additional credit, such as thesis, dissertation, and independent study courses; various music, physical education, physical fitness and wellness, studio art, and theatre courses; developmental education courses; and topics courses.

International Student Health Insurance Fee

All nonimmigrant international students enrolling at Texas State are required to carry health insurance. The fee for the Texas

State International Student Health Insurance Plan is automatically added to the fee bill at the time of registration. International students who wish to have this fee waived must present proof of comparable insurance (including major medical, evacuation and repatriation) to the Student Health Center for approval prior to each registration. Appointments are required for waivers and may be obtained by calling 512.245.2161.

International Student Operations Fee

All international students with an immigration status of “F1” or “J1” will be charged \$60.00 per long semester and \$30.00 per summer session for the maintenance of records, compliance with government regulations, and other services.

Laboratory Fees

The amount of lab fees varies on a per course basis.

Property Deposit Fee

Every student must make a property deposit of \$50.00 to protect Texas State from damage to or loss of University property. Charges for damages are billed directly to the student. Failure to pay the charges promptly will cause the student to be barred from re-admission and from receiving official transcript. If a student withdraws without paying the charges, the deposit is held until all charges and fines are received. This deposit, less outstanding charges, will be returned upon request to the student graduating or withdrawing from the University. Refund requests should be made to the Student Business Services Office, first-floor of J. C. Kellam. Deposits not requested within four years from date of last attendance are forfeited into a student deposit scholarship account.

Testing Fees

Texas State students, enrolled in a distance education course, who wish to take a course exam through the Testing, Research-Support, and Evaluation Center in San Marcos, the Round Rock Higher Education Center, or the Correspondence, Extension, and Study Abroad Programs Office in San Marcos will be charged \$20.00 per test. This fee applies only to students who wish to take a course exam through these offices rather than take the exam at the times offered as part of the distance education course.

Non-Texas State students, enrolled in a distance education course at another college or university, who wish to take a course exam at the Testing, Research-Support, and Evaluation Center in San Marcos, the Round Rock Higher Education Center, or the Correspondence, Extension, and Study Abroad Programs Office in San Marcos will be charged \$40.00 per test.

Room and Board Rates

Information regarding room and board rates for a specific semester may be obtained at www.reslife.txstate.edu/rates.htm or in the Schedule of Classes booklet. Room and board is billed on a semesterly basis and may be paid in full at registration or in installments during the long semesters only. If the three installment method is chosen, the first one-half payment is due at registration, one-fourth payment is due prior to the start of the 6th class week, and the final one-quarter payment is due before the beginning of the 11th class week.

Payment for Summer room and board is required in full at the beginning of each summer term or semester (i.e., Summer I, Summer II). Texas State reserves the right to increase or decrease the room and board rates on 30 days notice. All residence halls will be closed during the Thanksgiving and Spring holidays and between semesters; however, Texas State may choose to keep some of the halls open during the break for an additional room charge.

Life Safety Surcharge

Beginning June 2001, a surcharge must be assessed to cover the cost of mandated fire code compliance and other environmental safety improvements. The amount of this charge is in addition to all of the rates specified above and will be shown as a separate line item on the bill. The surcharge for the Fall & Spring semesters is \$150 each for A/C halls and \$100 each for Non A/C halls. Summer surcharges are \$1.00 per day of occupancy. These charges may vary in the future years, depending on utility rates and the costs of code compliance.

Refund of Room and Board Fees

Any student who officially withdraws from Texas State or who is granted permission to live off campus may receive a refund on the unused portion of the room and board payment for the current installment period. A matriculation fee of \$5.00 will be assessed on any withdrawals prior to the first day of classes.

Room and board charges will continue until you have officially moved from Texas State residence halls and cleared with the Director of Residence Life. Any refund due will be applied to any unpaid financial obligations with Texas State. If the refund exceeds any unpaid balance, a refund check will be processed within approximately 30 days and will be deposited to your bank (sign up via our secure website: www.sbs.txstate.edu/students/Fa.html) or mailed to your permanent mailing address. Check your mailing address at www.registrar.txstate.edu/our-services/address-change.html.

Student's Financial Obligations

Students are expected to meet financial obligations to Texas State within the designated time allowed. Registration fees are payable before classes begin. Students are not entitled to enter class, or laboratory, until their fees and deposits have been paid. Failure to pay the amount owed in the allotted time, or payments made with checks that are returned to Texas State unpaid by the bank, may result in any or all of the following: (1) dismissal from Texas State, (2) withholding of future registration privileges, (3) withholding the issuance of grades or of an official certified transcript, (4) withholding the conferring of a degree, (5) bar against re-admission for the student, (6) warrant hold with the State of Texas.

Once a student registers, he or she is responsible for the total fees assessed regardless of whether the installment option is used. Refund percentages are applied to total fees assessed and not the amount paid. This means that students who withdraw before paying all installments may, in the event of withdrawal, receive a bill with a balance due rather than a refund. Delinquent accounts may be referred to a collection agency and the student is responsible for all attorney and collection fees.

Returned Checks

If a check or checks are returned unpaid for any reason other than the admitted error of the bank, the student must pay in cash, cashiers check, money order, or credit card (American Express, VISA, MasterCard) immediately and a \$30 service fee is assessed for each returned check. A late fee may also be assessed. If a registration check is returned unpaid, the student must make payment (check amount plus a \$30 service fee) within ten working days. If the student does not pay in full within that time period, Texas State reserves the right to initiate withdrawal procedures. You will not be officially withdrawn by the Student Business Services Office unless you are notified in writing. It is the student's responsibility to initiate a formal withdrawal from Texas State at the Registrar's Office.

Stopping payment on a check for fees or allowing the check to be returned unpaid by the bank for any reason does not constitute official withdrawal. Failure to follow procedures for withdrawing from Texas State may result in financial penalties and delays with future enrollment in Texas State.

If a student has an outstanding returned check, he/she will be on a "cash-only" basis until the obligation is cleared. Cash Only status is a denial of check cashing privileges on campus. If a student has three or more returned checks within a 365-day period (i.e., one calendar year), Texas State reserves the right to place the student on a "cash-only" basis.

Installment Policy

Registration. Tuition, fees, and room and board for summer terms must be paid at the time of registration. Tuition, fees, and room and board may be paid during the fall and spring semesters through the following alternatives:

1. Full payment is due prior to the beginning of the semester.
2. One-half payment of tuition and fees is due prior to the start of the semester, one-quarter payment prior to the start of the sixth class week and the final one-quarter payment before the beginning of the eleventh class week.

An installment method of payment may not be used by students enrolling for courses of shorter duration than a full semester (i.e., second eight-weeks courses) unless he/she enrolls for such courses at regular registration. If an installment method is chosen at registration, a student may elect to pay his/her account in full at any time.

The following fees are to be paid in full at the time of registration and are not applicable to the installment plan: parking permit, general property deposit, late registration fee, and orientation fee. All tuition adjustments will be credited to total tuition/fees, and room/board BEFORE calculation of payment plan. All creditable financial aid will be applied AFTER the payment plan calculation towards the minimum due payment.

Installment Payments

A service charge of \$10 will be collected at the time of each installment payment, excluding the payment made at registration.

Students are responsible for making their installment payments by the due date. For questions about due dates and amounts due,

contact the Student Business Services Office at 512.245.2544. Students can check their balance and make payments on the web at catsweb.txstate.edu/catsstud.htm.

Delinquent Payments

A delinquent charge of \$15 will be assessed the first day after the installment due date. Under Texas Education Code §54.007, a student's failure to make full payment prior to the end of the semester (the last regular class day of the semester) may result in the student's not receiving credit for the work done that semester. Such a student will not be allowed to register for future semesters until the delinquent amount including service charges is paid. Any installment payment made with a check returned by the bank unpaid for any reason other than an error by the bank may result in a delinquent payment penalty of \$15 in addition to the existing \$30 returned check penalty currently being charged.

Refunds

Refunds from the add/drop process will be credited to unpaid financial obligations. Additional fees incurred from the add/drop process will be billed to the student's account.

Room and board refunds will be applied to any remaining financial obligation owed to Texas State. The additional charge for moving from one dorm to another or moving into a private room will be added to the balance due.

Drops

Dropping a class – Removing one or more classes from your schedule, while remaining enrolled in at least one course. If you are registered in only one class and wish to drop it, you must withdraw. Refund of applicable tuition and required fees will be made for classes dropped during the first twelve class days in the long term or first four class days in summer terms, provided you remain enrolled at Texas State until the end of the semester. No refund is made for classes dropped after the twelfth/fourth class day.

Any refund will be applied to remaining unpaid obligations. If you have paid in full, a refund will be processed within 30 days and will be deposited to your bank (sign-up via our secure web site: sbs.txstate.edu/students/fa.eft.html) or mailed to your local address. Check your mailing address at registrar.txstate.edu/our-services/address-change.html.

Reducing semester credit hours to zero is considered a withdrawal, and withdrawal refund policies apply. For refund information on Special Course Offerings, call the Refund Clerk in the Student Business Services Office.

Refunds in the Event of Death. In the event a student dies and a refund of tuition, fees, room and board, deposits, or other monies is due the estate of the deceased student, Texas State will presume that the person most recently indicated by the student as next-of-kin on official Texas State records is to be the recipient of all refunds. The University will, as soon as practicable after the death of the student, pay all refunds to the designated next-of-kin unless the student has specifically designated in writing to the Registrar the name and address of another person to be the recipient of such refund.

Withdrawals

Any student who has paid registration fees and officially withdraws by submitting a withdrawal request to the Registrar's Office, J.C. Kellam, #111, is entitled to a refund of tuition and fees if the following condition is met: The amount actually paid, either in full or installment, must be greater than the percentage of total semester's charges OWED Texas State at the time of withdrawal. The amount of the refund is calculated as follows: (Total amount of tuition and fees minus non-refundable fees) times (refund percentage) minus (outstanding balance of charges, if any) equals Refund. Once a student registers, he or she is responsible for the total fees assessed regardless of whether the installment option is used. Refund percentages are applied to total fees assessed and not the amount paid. Students who withdraw before paying all installments may, in the event of withdrawal, receive a bill with a balance due rather than a refund. Withdrawing is ONLY for the current semester and does not affect any future semesters in which the student is enrolled. For example, if the student withdraws from all classes in Summer II, this does not affect the student's Fall schedule.

ACADEMIC POLICIES

This section of the catalog contains information about Texas State's general academic policies. All Texas State students should review this information carefully when they enter the University.

HONOR CODE

As members of a community dedicated to learning, inquiry, and creation, the students, faculty, and administration of our University live by the principles in this Honor Code. These principles require all members of this community to be conscientious, respectful, and honest.

WE ARE CONSCIENTIOUS

We complete our work on time and make every effort to do it right. We come to class and meetings prepared and are willing to demonstrate it. We hold ourselves to doing what is required, embrace rigor, and shun mediocrity, special requests, and excuses.

WE ARE RESPECTFUL

We act civilly toward one another and we cooperate with each other. We will strive to create an environment in which people respect and listen to one another, speaking when appropriate, and permitting other people to participate and express their views.

WE ARE HONEST

We do our own work and are honest with one another in all matters. We understand how various acts of dishonesty, like plagiarizing, falsifying data, and giving or receiving assistance to which one is not entitled, conflict as much with academic achievement as with the values of honesty and integrity.

THE PLEDGE FOR STUDENTS

Students at our University recognize that, to insure honest conduct, more is needed than an expectation of academic honesty, and we therefore adopt the practice of affixing the following pledge of

honesty to the work we submit for evaluation: "I pledge to uphold the principles of honesty and responsibility at our University."

THE PLEDGE FOR FACULTY AND ADMINISTRATION

Faculty at our University recognize that the students have rights when accused of academic dishonesty and will inform the accused of their rights of appeal laid out in the student handbook and inform them of the process that will take place: "I recognize students' rights and pledge to uphold the principles of honesty and responsibility at our University."

ADDRESSING ACTS OF DISHONESTY

Students accused of dishonest conduct may have their cases heard by the faculty member. The student may also appeal the faculty member's decision to the Honor Code Council. Students and faculty will have the option of having an advocate present to insure their rights. Possible actions that may be taken range from exoneration to expulsion.

REGISTRATION

Registration Instructions. Registration Instructions contain CatsWeb registration instructions, dates, fee schedules, instructions on dropping a class or withdrawing, refund schedules, and other information that will be needed throughout the semester. This information, along with the most current class offerings, is available at www.txstate.edu/registrar.

Academic Advising. Texas State encourages all students to seek academic advising before each registration and at other times when academic questions arise. In some departments, schools, or colleges and for some students, this advising may be mandatory. Students who are undecided about their major are advised through the University College, others through their major department or school and/or in the appropriate college advising center. Advisors help students understand academic requirements and plan schedules to meet those requirements as well as address the choice of majors and career preparation issues.

Correct Data. All students are responsible for making certain Texas State has correct demographic data. Changes in name, local and/or permanent address, telephone number, marital status, etc. should be reported immediately to the Registrar's Office. Texas State is not responsible for loss of correspondence credits due to unreported name changes. Address changes can be submitted at www.txstate.edu/app/self_address_changes.

Family Educational Rights and Privacy Act of 1974 (FERPA). FERPA protects the privacy of educational records, establishes the right of students to inspect and review their educational records, and provides guidelines for the correction of inaccurate or misleading data. Students also have the right to file complaints with the FERPA Office concerning alleged failures by Texas State to comply with the Act. University policy explains in detail the procedures to be used in complying with the act. The policy is available at www.txstate.edu/registrar. The Dean of Students and the Registrar both presume that each student is independent of his or her parents when dealing with the student's educational records. Procedures for establishing dependency status are available in both offices.

Undergraduate Student Classification. Classification is based on cumulative hours passed, not counting hours currently enrolled.

Freshman	0-29 hours	Junior	60-89 hours
Sophomore	30-59 hours	Senior	90+ hours

Course Numbers. Courses listed in this catalog and in the Schedule of Classes follow a four-digit numbering system. The first digit indicates the level of the course: 1–freshman, 2–sophomore, 3–junior, 4–senior, 5– and 6–post–baccalaureate and/or master’s, 7–doctoral. The second digit indicates the number of semester credit hours the course carries. The last two digits usually indicate the location of the course in the department/school’s curriculum. A letter (A, B, C, etc.) attached to a course number usually indicates a topics course. The numbers in parentheses following a course title indicate the clock hours per week spent in lecture and in laboratory, respectively. A course preceded by (WI) is writing intensive.

TEXAS LEGISLATIVE REQUIREMENTS

Texas Success Initiative Program (TSIP). The main component of this program is an initial assessment that measures skills in mathematics, reading, and writing. All students, except those who are TSI-Exempt, should take an initial assessment test before their first semester in college at a Texas public institution of higher education. Students with disabilities who need reasonable accommodations should contact the Office of Disability Services.

Approved Assessment Instruments

- ASSET (41R, 38M, 40R)
- COMPASS (81R, 39M, 59W)
- ACCUPLACER (78R, 63M, 80W)
- THEA (230R, 230M, 220W)
- Passing score on essay portion of all tests is 6 (or 5 if the student passes writing multiple choice).

TSI Exemptions. Some students are exempt or partially exempt from assessment. A student will be identified as TSI-Exempt or partially exempt when Texas State has received official proof that he or she satisfies any one of the following:

- Earned an Associate or Bachelor’s degree from an institution of higher education whose accreditation is recognized by SACS (Southern Association of Colleges and Schools);
- Earned a composite score of at least 23 and at least 19 on the Mathematics and/or English components of an ACT TEST which is no more than five years old;
- Earned a Verbal plus Mathematics total of at least 1070 on a SAT test that is less than five years old, with a minimum score of 500 on the Verbal and/or a minimum of 500 on the Math;
- Performed on the Eleventh grade exit-level Texas Assessment of Knowledge and Skills (TAKS) test that is no more than three years old with a minimum scale score; of 2200 on the English Language Arts section with a writing composition score of at least 3 and/or a minimum scale score of 2200 on the Mathematics section;
- Enrolled in a certificate program of one year or less (Level-One certificates, 42 or fewer semester credit hours or the equivalent);

- Previously attended any institution and has been determined to have met readiness standards by that institution;
- Serving on active duty as a member of the armed forces of the United States, the Texas National Guard, or as a member of a reserve component of the armed forces of the United States and has been serving for at least three years preceding enrollment;
- Was honorably discharged, retired, or released from active duty as a member of the armed forces of the United States or the Texas National Guard or service as a member of a reserve component of the armed forces of the United States on or after August 1, 1990.

The Undergraduate Admissions Office should receive your transcript and ACT, SAT, or TAKS scores. The Office of Disability Services should receive the necessary documentation that the student is deaf or blind. The Success Initiative Program Office may also receive TAKS scores.

Remediation. If the student fails one or more parts of the initial assessment test, he or she will be required to participate in an individualized developmental education program that will prepare the student for freshman-level coursework in the area of deficiency. The program may require re-testing, enrollment in developmental courses, and/or participation in lab-based remediation. There are several ways to meet the requirements of the Success Initiative. The student and a Success Initiative Program representative will jointly determine successful completion of the program.

Out-of-state/Private school Transfers. A student who is transferring coursework from a private or out-of-state school may not need to take an assessment test. This rule has many restrictions, and students should check with the Success Initiative Program Office before assuming this applies to them. The following statements apply to exact transfer courses and not to ELNA courses. They also must have been taken at private or out-of-state schools. A student who transfers a grade of “A”, “B”, or “C” in Mathematics 1315 or 1317 will be regarded as having passed the Mathematics part of the assessment test. A student who transfers a grade of “A”, “B”, or “C” in English 1310 or 1320 will be regarded as having passed the writing part of the assessment test. A student who transfers a grade of “A”, “B”, or “C” in any one of the following will be regarded as having passed the reading part of the assessment test: History 1310, 1320; Political Science 2310, 2320; Psychology 1300; English 2310, 2320, 2330, 2340, 2359, and/or 2360. If a student has passed some part of the assessment test satisfactorily, he or she should take the remaining parts of the test prior to attempting to register for classes at Texas State.

Incoming students, who have taken an assessment test but have not submitted their scores to Texas State, should contact the Success Initiative Program Office for additional information.

Requirements in History and Government. Pursuant to Texas Education Code §51.302, every student graduating from a state-supported college or university must complete six semester hours of American history and six semester hours of American government. Both of these requirements are included in Texas State’s general education core curriculum. According to current law, up to

three semester hours of credit in an upper-level ROTC course may be applied to the core curriculum history requirement (HIST 1310 or 1320) and up to three hours to the core curriculum government requirement (POSI 2320 only).

Field of Study. Field of Study means a set of courses that will satisfy the lower division requirements for a bachelor's degree in a specific academic area. Field of study curricula were mandated in Senate Bill 148 (75th Texas Legislature) and are intended, along with general education core curricula, to facilitate the free transferability of lower-division academic course credit among public colleges and universities throughout Texas. As found in Texas Education Code Chapter 61, Subchapter S, Section 61.821-61.829, field of study curricula are developed in accordance with the policies and procedures of the Texas Higher Education Coordinating Board, along with the assistance of advisory committees composed of representatives of institutions of higher education. To date, field of study curricula have been developed in the following academic areas: Business, Computer Science, Communications, Criminal Justice, Early Childhood Education, Engineering, Engineering Technology, Grades 4-8 Teacher Certification, and Music.

Each field of study will include the lower division courses that are required before a student may enroll in upper-division courses within the degree program, and may also offer guidelines and suggestions for appropriate general education core curriculum or elective courses in addition to the courses that actually compose the field of study curriculum itself. If a student successfully completes a field of study curriculum that block of courses may be transferred to a general academic teaching institution and must be substituted for that institution's lower division requirements for the degree program for the field of study into which the student transfers, and the student shall receive full academic credit toward the degree program for the block of courses transferred. A student who transfers from one institution of higher education to another without completing the field of study curriculum of the sending institution shall receive academic credit from the receiving institution for each of the courses that the student has successfully completed in the field of study curriculum of the sending institution. Following receipt of the credit for these courses, the student may be required to satisfy further course requirements in the field of study curriculum of the receiving institution. A student concurrently enrolled at more than one institution shall follow the field of study curriculum of the institution in which the student is classified as a degree-seeking student. More information about field of study is available online at: www.theccb.state.tx.us/ctc/ip/core11_00/index.htm.

ACADEMIC REGULATIONS

Catalog Designation. The catalog designation a student receives when entering Texas State determines the curriculum and other academic policies that apply to the student. Catalog designations are made according to the following guidelines:

1. Students with no prior college work are assigned to the current catalog.
2. Students with prior college work:
 - a. Students with prior college work from out-of-state or private institutions are assigned to the current catalog.

- b. Students with prior college work during the last six years, solely from Texas public institutions of higher education, are assigned to the Texas State catalog which was in effect at the time of the student's initial college enrollment.
3. Former Texas State students (those who leave for 12 or more consecutive months and apply for readmission).
 - a. Former students whose initial Texas State enrollment was more than six years ago are assigned to the current catalog.
 - b. Former Texas State students whose initial Texas State enrollment was within the last six years and who have completed fewer than 30 hours of college work elsewhere during the interim retain their initial Texas State catalog designation.
 - c. Former Texas State students whose initial Texas State enrollment was within the last six years and who have completed 30 or more hours of college work elsewhere during the interim are assigned to the current catalog.
4. A college dean may change the catalog designation.

Course Load. The following regulations govern the number of credit hours an undergraduate student may carry during a given term:

1. Fall or Spring Semesters: Those enrolled for 12 or more credit hours are considered full-time students. An average load for a student with a Texas State GPA of 2.00 or higher is 15-17 credit hours; however, if such a student is enrolled in only five courses, as many as 18 credit hours is also considered an average load. Graduating seniors or students with a Texas State GPA of 3.00 or higher may carry 19 credit hours. Those with a Texas State GPA of 3.75 or higher may carry up to 22 credit hours.
2. Summer Terms: The usual summer load is 6 credit hours per term. Students in good standing may take eight hours during a summer term without needing their dean's approval. Those with a Texas State GPA of 2.00 or higher may carry 10 credit hours during each summer term. These limits do not include credit earned in the summer mini-term.

Only in exceptional circumstances, and only with the approval of the college dean, will students be allowed to exceed the stated course load limitations. In any regular semester or summer term during which a student is enrolled at Texas State, the course load limitations apply to all work attempted, whether at Texas State or elsewhere.

Class Attendance. Texas State expects students to attend every scheduled class meeting. General requirements for class attendance are as follows:

1. Faculty are encouraged to establish mandatory attendance requirements in each course.
2. Each faculty member will inform students of the course attendance policy at the initial class meeting.
3. Students are responsible for understanding the attendance

policy for each course in which they enroll and for meeting the attendance requirements.

4. Failure to meet the attendance requirements in a course may lower a grade.

Religious Holy Days. "Religious holy day" means a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20, Tax Code. In accordance with Texas Education Code Section 51.911, Texas State will allow a student who is absent from classes for the observance of a religious holy day to take an examination or complete an assignment scheduled for that absent day within a reasonable time after the absence if the student notifies the instructor of each class that he or she would be absent for a religious holy day. The Education Code includes excused absences for travel to and from the religious holy day observance. The student may make up class assignments or examinations without penalty within a reasonable time after the absence. Students may obtain notification forms from the Dean of Students' Office. The student should personally deliver completed forms to the instructor for each class. The instructor will sign and date the form, thus acknowledging notification. If the student cannot personally deliver the form to an instructor, the student should mail the form to the instructor by certified mail, return receipt requested. A student who is excused under this section shall not be penalized for the absence, but the instructor may appropriately respond if the student fails to satisfactorily complete the assignment or examination within a reasonable time. Each instructor may establish additional procedures to accommodate the needs of students who are absent from classes to observe a religious holy day. These procedures must not conflict with the state law. Coordinating Board rules now provide for an appeal of a disagreement between the student and a faculty member over an absence related to a religious holy day. If a student and an instructor disagree about the nature of the absence being for the observance of a religious holy day, or if there is a disagreement about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the President or the President's designee. The President or the President's designee must take into account the legislative intent of Education Code Section 51.911. The student and instructor shall abide by the decision of the President or the President's designee. The academic dean of each college serves as the President's designee to hear requests for decisions on these matters from either the faculty member or the student. Any questions concerning this policy should be directed to the Office of the Dean of Students.

Number of Drops – Senate Bill 1231. In 2007, the Texas Legislature enacted Senate Bill 1231 which provides that, except for specific instances of good cause, undergraduate students entering as first time freshmen at a Texas public institution of higher education in the fall of 2007 or later will be limited to a total of six dropped courses during their undergraduate career.

Under the new law (Texas Education Code, Sec. 51.907), "an institution of higher education may not permit a student to drop more than six courses, including any course a transfer student has dropped at another institution of higher education." SB 1231 applies to courses dropped at public institutions of higher education in

Texas, including community and technical colleges, health science centers that offer undergraduate programs, and universities. Some courses will not count against the six-drop limit. These include courses dropped at independent or private Texas institutions, courses dropped while the student is still enrolled in high school, developmental courses, non-funded courses or courses dropped at colleges in other states.

For the purposes of this law, a "dropped course" is defined as a course that is dropped after the census date (12th class day), but before the last day to drop.

The Texas Higher Education Coordinating Board is working with the public colleges and universities to implement this law, and this may result in updates or modifications to current definitions and procedures. Any changes will be communicated to students and posted on the Registrar's Website.

Dropping Classes/Withdrawing from the University. Dropping a class is an official action whereby students inform Texas State that they will cease attending a class in which they are enrolled while remaining enrolled in at least one other course. Withdrawing is an official action whereby a student informs Texas State that he/she will cease attending all classes.

Automatic "W" Deadline – the deadline to receive an automatic "W" grade is the first 60% of the semester.

Drop Deadline – the deadline to drop (remaining in at least one hour) a class is the first 60% of the semester. Special deadline dates will be enforced for courses offered in a different format.

After the drop deadline, students will be unable to drop individual classes and will receive the grade (A,B,C,D,F, or I) earned in the course. When students experience documented medical or similar emergencies which preclude completion of a class, they may appeal with documentation to the chair or director of the department or school they wish to drop the class.

Withdrawal Deadline – the deadline to withdraw (go to zero hours) from Texas State is two weeks preceding final examinations during the fall and spring semesters and one week preceding final examinations during the summer sessions.

If a student is withdrawing from Texas State after the automatic "W" period, faculty assign the "W" grade only to those students who have a passing average at the time the withdrawal action is officially completed. Otherwise, faculty members will assign an "F" grade.

Grade Reports. Semester grades are based on the student's written or oral work in a given course. Attendance may also affect the grade. Final grade reports are issued by the Registrar via the University's CATS website at the end of each regular semester and summer term. Students may print a grade report via the CATSWEB.

Grade Symbols. Grades at Texas State are indicated by the following symbols: "A"-excellent; "B"-good; "C"-average; "D"-passing; "F"-failing or withdrawn failing; "CR"-credit. A grade of "PR" which is temporary and non-punitive, may be assigned in selected courses where the required clock hours needed to complete

requirements extend beyond the regular semester or summer session. The "I" grade may be assigned when, due to unusual circumstances beyond the student's control, a significant portion of a course, such as a term paper or final examination, has not been completed. If a student needs to repeat a course or a significant portion of a course, a "W" or "F" grade should be assigned according to regulations governing the assignments of such grades. A "W" grade cannot be assigned if the student has not officially dropped the course within the semester deadlines. An "I" grade from Texas State will not count as hours completed until another grade is assigned. Twelve months after a Texas State "I" grade is assigned, it will automatically change to an "F" if the course work has not been completed. An "I" grade transferred from another institution remains as "I" on the Texas State record until an updated transcript is received from the other institution. A grade of "W" is assigned if a student drops a course by the Automatic "W" Drop/Withdrawal Deadline (see University Calendar in this catalog). After the Automatic "W" Drop/Withdrawal Deadline, an "F" or "W" will be assigned depending on whether the student is passing ("W") or failing ("F") the course at the time the drop/withdrawal action is officially completed.

Grade-Point Average (GPA). Texas State utilizes the four-point system. The GPA is the total number of grade points earned divided by the number of semester hours attempted. Semester grade symbols have the following values: "A" = 4 points; "B" = 3 points; "C" = 2 points; "D" = 1 point; "F" = 0 points. Neither hours nor grades are calculated for "I", "CR", "PR", or "W". To maintain an average of "C", grade points divided by semester hours attempted must equal at least 2.00.

The Texas State GPA for all work attempted at Texas State is used to determine whether a student is meeting minimum academic standards. Beginning in the fall of 1991, this Texas State GPA will be calculated by the procedures described in the section titled "Repeating Courses" (see below).

Transcripts. Effective fall 1991, Texas State transcripts will separate transfer course work from Texas State course work. Transfer work listed chronologically will be listed first and will show the number of hours transferred; no transfer GPA will be printed. Texas State course work listed chronologically will follow any transfer course work. The transcript will show Texas State hours attempted, Texas State hours passed, Texas State grade points and Texas State GPA.

Courses taken at other schools will not be included in the GPA at Texas State. Texas State GPA will be the only GPA calculated.

Repeating Courses. Effective fall 1991, a student may repeat a course, but cannot receive credit for the course more than once unless the course description in the catalog specifically provides that the course may be repeated for credit. When a course is taken more than once, the second grade (first repeat) and all subsequent grades (repeats) are included in computing the Texas State hours attempted, grade points earned and GPA. "W" and "I" grades are excluded. A course taken at Texas State must be repeated at Texas State to be counted as a repeat. A course taken for transfer credit must be repeated as transfer credit to count as a repeat.

The first time that a course is repeated, fall 1991 or after, it will be calculated as if it were the first repeat of the course. Any additional repetitions will be counted as second or greater repeats. If the last grade in a repeated course is lower than an earlier grade, the last grade is used to determine whether the course fulfills university requirements.

Courses repeated prior to fall 1991 will follow the repeat policy enforced at the time the courses were taken. Prior to fall 1991, the last grade of a repeat counts, "W" and "I" grades excluded. If the last time a course is taken is from another school, that course will meet degree requirements, but the last grade at Texas State counts towards the Texas State GPA.

Change of Grade. An individual course grade may be changed when the involved faculty member certifies to the Registrar that an error was made in computing the original grade. The grade change must be approved by the department chair/school director and the appropriate college dean. Students who wish to protest a grade earned in a course should first discuss the grade with the instructor. If no resolution is reached, the student may appeal the grade to the department chair/school director. If no satisfactory conclusion can be reached at this level, the student may appeal to the college dean whose decision is final. In accordance with Texas State's records retention policies, a student appeal for a change of grade must be filed no later than 2 years after the grade is issued.

Student Indebtedness. All University property in a student's possession must be returned and all debts to Texas State, including past due indebtedness to loan funds, must be satisfactorily adjusted before the student is eligible to receive a statement of good standing, an official transcript of credit, graduation, or re-admission to Texas State. Moreover, continued failure to adjust such debt may result in the student's losing the privilege of attending class.

ACADEMIC PROBATION AND ACADEMIC SUSPENSION

Minimum Academic Standards. Students must meet minimum academic standards in work completed at Texas State. Those who fail to do so are placed on academic probation or academic suspension, as appropriate. In determining whether a student is placed on probation or suspension, only grades earned at Texas State are considered.

Academic Probation. Academic probation is an emphatic warning that the quality of the student's work has not met Texas State's minimum academic standards and that the quality must improve during the probationary semester in order for the student to continue at Texas State. A student will be placed on academic probation at the end of the fall or spring semester in which the Texas State GPA is less than 2.00. A student will be removed from academic probation at the end of any long semester or summer term if the Texas State GPA is 2.00 or higher.

Students placed on academic probation must raise their Texas State GPA during the first probationary semester, e.g., if a student is placed on academic probation because the Texas State GPA has fallen to 1.85, at the end of the first probationary semester the Texas State GPA must be 1.86 or higher, or the student will be placed on first academic suspension. If the student raises the

Texas State GPA at the end of the first probationary semester, but it is still less than 2.00, the student may continue for a second probationary semester. If the Texas State GPA is still less than 2.00 at the end of the second probationary semester, the student will be placed on first academic suspension.

Policies Governing First Academic Suspension. A first academic suspension will be for the first long semester following placement on academic suspension. Appeals for reinstatement, based on extenuating circumstances, may be made prior to the Monday of registration week to the student's college dean or designee, who will render a decision on the matter. A student suspended from one college of Texas State may not be reinstated by the dean of another undergraduate college. Deans may, at their discretion, impose conditions regarding course load limits, work load limits, counseling, etc. If the dean denies reinstatement, the student may then appeal to the Suspension Appeals Committee. If reinstatement is allowed, the suspension notation will remain on the student's transcript. The transcript will also show "Reinstated for ___, Enters on Academic Probation."

Unless other special conditions are imposed by the dean or the Suspension Appeals Committee, students granted reinstatement and re-admitted on academic probation, must raise their Texas State GPA at the end of the first probationary semester or be placed on academic suspension. If students raise their Texas State GPA at the end of the first probationary semester, but it remains below 2.00, they may continue their studies for a second probationary semester.

In addition to any special conditions imposed by the dean or the Suspension Appeals Committee, students must meet the conditions under "Academic Probation" explained above.

At the end of the second probationary semester, if the Texas State GPA is less than 2.00, the student will be placed on second academic suspension.

Students who are placed on first academic suspension from Texas State at the end of the spring semester will be reinstated by the registrar on academic probation for the following fall semester if they (1) attend both summer terms at Texas State, (2) pass nine semester hours, and (3) earn a 2.00 GPA on all work attempted in both terms or the student will be removed from probation if the Texas State GPA is 2.00 or greater at the end of the second summer term.

Readmission Following a First Academic Suspension. At the end of the one long semester period for a first academic suspension, students are automatically reinstated and may register for the subsequent semester. Following an absence from Texas State of one year or more, students may apply for readmission to Texas State (refer to Program D in the Admissions section). Students who re-enter Texas State following an academic suspension do so on academic probation. For specific regulations, refer to paragraph on "Academic Probation". If the Texas State GPA is not raised at the end of the first probationary semester, or is less than 2.00 at the end of the second probationary semester, the student will be placed on second academic suspension.

Policies Governing Second Academic Suspension. Students who fail to meet the minimum academic standards defined above will be placed on academic suspension for a second time, for a period of two calendar years. If there are extenuating circumstances, students may appeal prior to the Monday of registration week to the appropriate college dean for reinstatement. If reinstatement is denied, students may then appeal to the Suspension Appeals Committee. If the appeal is approved, students may return to Texas State on academic probation, subject to special conditions imposed by the dean or the Suspension Appeals Committee regarding course load limits, work load limits, counseling, etc. If reinstatement is allowed, students may apply for re-admission to Texas State (refer to Program D in the Admissions section). The suspension notation will remain on the student's transcript, which will also show "Reinstated for ___, Enters on Academic Probation." In addition to any special conditions imposed by the dean or the Suspension Appeals Committee, students must meet the conditions under "Academic Probation" explained previously. At the end of the second probationary semester, if the Texas State GPA is less than 2.00, the student will be placed on academic suspension.

Readmission Following a Second Academic Suspension. At the end of the two-year period for a second academic suspension, students may apply for re-admission to Texas State (refer to Program D in the Admissions section).

Effect of Suspension on Correspondence or Extension Courses. While on suspension, students may complete a correspondence course in which they enrolled prior to suspension. Students may not enroll in an extension or correspondence course from Texas State while on suspension.

Registering at Another Institution During Suspension. Students who have been placed on academic suspension are not prohibited from registering at another institution; however, such academic work will not change the GPA used for calculating probation and suspension, since only those grades earned at Texas State are calculated in determining probation-suspension status. Students who enroll for 30 or more semester hours at another institution while on suspension from Texas State will be considered transfer students if they return and will be required to have a 2.25 GPA in that work for re-admission.

Exceptions. Cases in which the circumstances are not covered by the above regulations shall be handled at the discretion of the Director of Undergraduate Admissions and the college dean.

DEGREE AND GRADUATION POLICIES

Request for Degree Audit. After completing 45-60 semester hours, students should request a degree audit through the college academic advising center or through their major department/school, as determined by college guidelines. When the audit is approved by the appropriate college dean or dean's representative, it will list all courses required for graduation. Students also have the option to run their own unofficial audit at any time before seeing their advisor. The audit should be used to determine which courses to take at each registration.

It is highly recommended that students see their Academic Advisors to review their degree audits within their last 30 hours prior to graduation. Students need to see that they have the appropriate grade-point averages in all courses taken at Texas State and in the major and minor fields of study. If any of the grade-point averages are below the minimums required for graduation, the degree audit can be used in deciding how to raise the averages in the remaining course work.

The College Dean has the final approval and appeal for all graduation requirements, including but not limited to degree audits, grade point average, courses, prerequisites, graduation application, transfer credit, residency, catalog time limit and designation.

Application for Graduation. Students must indicate their intent to graduate by applying for graduation within the first two weeks of their final long semester or summer session I for August graduation. The student must complete the degree application using the online application at www.catsweb.txstate.edu/catsweb/ad/adwbadgra_instructions.htm. If a student fails to complete the required courses in time for a planned graduation, the student must reapply for the next graduation. Failure to apply for graduation on time may delay the awarding of the diploma until the following graduation. Because of the problem of receiving official transcripts in a timely manner, students taking off-campus courses in their final semester should make sure that the Undergraduate Admissions Office receives official transcripts as soon as they are available from the sending institution.

Minimum Degree Hours and Advanced Hours. Most undergraduate degrees at Texas State require a minimum of 120 semester hours, including 36 advanced hours (junior and senior level courses). Any degree program of 122 hours or more may be considered a five-year program.

Residency Requirements. To qualify for graduation with a bachelor's degree, a student must complete, through Texas State coursework, at least 25 percent of the minimum number of semester hours required for the degree; within this requirement, at least 24 semester hours must be advanced and at least 12 hours of the advanced work must be completed in the major at Texas State. Additionally, at least 24 semester hours of the last 30 hours completed that are required for the degree must be taken at Texas State. Correspondence, extension, and off-campus coursework completed through Texas State may be applied toward residency requirements. Credit-by-examination may not be applied toward residency.

Minimum Grade-Point Requirements for Graduation. Before graduating from Texas State, students must satisfy the following minimum grade requirements:

Degree programs without Teacher Certification (Texas State minimums; individual departments/schools may have higher requirements listed in their sections of this catalog):

1. A Texas State GPA of 2.00
2. A GPA of 2.25 in the major(s)
3. A GPA of 2.00 in the minor(s)

Degree programs with Teacher Certification (minimums):

1. Overall GPA of 2.50
2. Successful completion of student teaching
3. A grade of "C" or higher in ENG 1310 and 1320, or their equivalents
4. A grade of "C" or higher in MATH 1315 or 1319, or their equivalents (Interdisciplinary Studies Majors only)
5. 2.5 GPA in all assigned courses in the Pedagogy and Professional Sequence, first and second teaching fields, or specialization(s) with no grade lower than a "C".

NOTE: Passing scores on the Examination for the Certification of Educators in Texas (ExCET) or Texas Examination of Educator Standards (TExES) are required for teaching certificate.

Maximum Elective Hours in Courses for the Major or Minor. No more than six semester hours within a major or a first teaching field may count as electives after the minimum requirements of the major or teaching field are fulfilled. Likewise, no more than six semester hours may be counted as electives in a minor or second teaching field once the minimums have been met. Approval of elective credit beyond these maximums must be granted by the appropriate college dean. If the degree program requires electives, the number of free elective hours a student will complete depends on the number of hours a student may need to achieve the minimum hours and/or the 36 advanced total hours required.

Second Bachelor's Degree. A second bachelor's degree may be earned by completing a minimum of 30 additional semester hours as recommended by the chair/director of the student's major program/department/school and subject to the approval of the appropriate college dean. Students earning second bachelor's degrees subsequent to receiving the first bachelor's degree are eligible for graduation with honors if they complete 60 or more hours at Texas State in pursuit of the second bachelor's degree. Residency requirements (as indicated above) apply except that the advanced semester hours required are determined by the dean.

For students who have already completed a first baccalaureate degree at an accredited college or university, with the approval of the department chair/school director and the college dean, the core curriculum requirements for that degree may be accepted in lieu of Texas State's general education core curriculum. However, requirements associated with particular degrees, e.g., completion of the second semester of a modern language for a Bachelor of Arts degree, or Legislative requirements, e.g., history and government course requirements, must be included in an approved program for a second baccalaureate degree.

Dual Bachelor's Degrees. If two bachelor's degrees are conferred simultaneously, the student must complete a minimum of 30 hours beyond the requirements of the single degree. Degree audits must be filed in the office of both college advising centers. Graduation will occur when the student has completed requirements for both degrees. Students completing dual bachelor's degrees receive two diplomas.

Double Majors. A student who fulfills the specified requirements for two different majors authorized under a single degree has completed a double major and will receive a single diploma. Both majors appear on the diploma.

Time Limit for Earning a Degree. Students may graduate under the requirements for the degree set forth in the Texas State catalog in force during the session in which they first enroll, provided they graduate within six years from the end of the session. Transfer students who have been assigned a Texas State catalog based on their first semester at a Texas junior college have six years from the end of the semester upon which their catalog designation was based to graduate, not six years from their initial semester at Texas State. After the expiration of such a period of time, students may have to meet requirements outlined in the current catalog. "Requirements for the Degree" refers to the pattern of courses and grade-point averages required for graduation. It does not include other rules and regulations such as probation and suspension criteria, requirements for admission to courses or programs, etc.

Transfer Credit from Two-Year Colleges. Texas State will apply to a degree up to 66 hours from an accredited junior/community college. (At the approval of the individual college dean, 6-8 hours may be added.) At the time of transfer, all transferable work attempted at a junior/community college will be recorded on the official transcript. If the number of hours transferred from a junior college exceeds 66, the student's chair or director will recommend to the college dean how the student will satisfy degree requirements.

ACADEMIC HONORS

Dean's List

To be eligible for the Dean's List at the close of any fall or spring semester, an undergraduate must have earned a minimum GPA of 3.5 in that semester on at least 12 credit hours. Hours and grades earned through Texas State correspondence courses and extension courses are counted in the hours required to be eligible for Dean's List and in the GPA calculation for Dean's List. Graduate courses count.

Graduation with Honors

Students earning a GPA of 3.40-3.59 will graduate cum laude; 3.6-3.79 will graduate magna cum laude; 3.8-4.0 will graduate summa cum laude. To be eligible for graduation with honors, a student seeking a baccalaureate degree must have completed a minimum of 60 semester credit hours preceding graduation at Texas State. Calculation of the GPA to determine honors status is based on all Texas State work applied to the first baccalaureate degree, including work completed in the final semester.

Hours earned through Texas State correspondence courses and extension courses are counted in the hours required to be eligible for honors and in the GPA calculation for honors. Hours earned through Texas State credit-by-examination, work/life experience, and other courses receiving "CR" (pass/fail) grades are counted in the hours required to be eligible for honors, but do not count in the GPA calculation. Remedial courses with a "CR" grade and graduate courses are not counted in either the hours required or the GPA calculation for honors.

Transfer students who have earned at least 60 semester hours at Texas State are eligible to graduate with honors if their Texas State GPA meets the above criteria. Students earning second baccalaureate degrees are eligible for graduation with honors if they complete 60 or more hours at Texas State in pursuit of the second degree.

Honor Societies

The following honor societies are open to qualified Texas State students. More information may be obtained through Campus Activities and Student Organizations (CASO) at For a complete list of all Honor Societies, see the Registered Student Organizations website at www.studentorgs.txstate.edu.

Alpha Chi

Alpha Chi is a national honor society, which promotes academic excellence and exemplary character among undergraduate college and university students and honors those who achieve such distinction. To qualify for membership, a student must be a first-time undergraduate, a junior or senior (having attained no less than 60 credit hours), have a minimum Texas State GPA of 3.50 on at least 45 semester hours at Texas State. Alpha Chi is the oldest honor society at Texas State, founded in 1922. Membership in the honor society is indicated on the student's transcript. For more information, contact Dr. Ronald Brown at 245.3579 or RonBrown@txstate.edu.

Alpha Lambda Delta

Alpha Lambda Delta is a national academic honor society for freshmen that honors academic excellence during a student's first year in college. Its purpose is to encourage superior academic achievement among students in their first year in institutions of higher education, to promote intelligent living and a continued high standard of learning, and to assist women and men in recognizing and developing meaningful goals for their roles in society. Membership is open to all freshmen who are registered for a full course of study leading to a bachelor's degree, who achieve a minimum scholastic average of 3.50 (based on grades of the first full semester or on the cumulative average of the first year in college), and who have paid the initiation and lifetime membership fee. For more information, contact Diann McCabe at 245.2209 or dm14@txstate.edu.

Golden Key National Honor Society

Golden Key recognizes and encourages scholastic achievement and excellence in all undergraduate fields, supports the faculty and administration in developing and maintaining high academic standards, provides economic assistance by means of annual scholarships, and promotes altruistic conduct through volunteer service to Texas State and community. The Golden Key National Honor Society accepts students who have a minimum cumulative GPA of 3.40, have completed 60 college hours, 25 of which must have been taken at Texas State, have filed a Member Data Form, and have paid the initiation and lifetime membership fee. For more information, contact Glenn Tanner at 245.3579 or tanner@txstate.edu.

DEGREES AND PROGRAMS

Texas State University-San Marcos offers a full range of programs in the applied arts, business administration, education, the fine arts, general studies, health professions, the liberal arts, and sciences. This section of the catalog gives basic information about the undergraduate degrees, majors, minors, and alternative curricula available at Texas State. All specialized programs rest on the broad foundation of general education core curriculum required of all students. For information about Texas State's general education core curriculum, see the University College section of this catalog.

Undergraduate Degrees Offered at Texas State

Bachelor of Applied Arts and Sciences (BAAS)
Bachelor of Arts (BA)
Bachelor of Arts in International Studies (BAIS)
Bachelor of Business Administration (BBA)
Bachelor of Exercise and Sports Science (BESS)
Bachelor of Fine Arts (BFA)
Bachelor of General Studies (BGS)
Bachelor of Health and Wellness Promotion (BHWP)
Bachelor of Healthcare Administration (BHA)
Bachelor of Music (BM)
Bachelor of Public Administration (BPA)
Bachelor of Science (BS)
Bachelor of Science in Agriculture (BSAG)
Bachelor of Science in Clinical Laboratory Science (BSCLS)
Bachelor of Science in Communication Disorders (BSCD)
Bachelor of Science in Criminal Justice (BSCJ)
Bachelor of Science in Health Information Management (BSHIM)
Bachelor of Science in Family and Consumer Sciences (BSFCS)
Bachelor of Science in Nursing (BSN)
Bachelor of Science in Radiation Therapy (BSRT)
Bachelor of Science in Recreational Administration (BSRA)
Bachelor of Science in Respiratory Care (BSRC)
Bachelor of Science in Technology (BST)
Bachelor of Social Work (BSW)

Special Requirements for the Bachelor of Arts

The following requirements apply to all Bachelor of Arts programs.

Minor Requirement

A minor is required and may be selected from any of the Texas State approved minors.

Science Requirement

In addition to completing the mathematics and natural science requirements of the general education core curriculum, students must complete one additional science course (3-4 hours) from anthropology (physical anthropology only), biology, chemistry, computer science, geography (physical geography only), geology, mathematics, philosophy (logic only), and physics.

Modern Language Requirement

A proficiency level of successful completion of American Sign Language, Arabic, French, German, Italian, Japanese, Latin, Portuguese, or Spanish 2310 and 2320. Most students will need to complete 1410 and 1420 as prerequisites before attempting 2310.

English Requirement

Two semesters of literature selected from ENG 2310, 2320, 2330, 2340, 2359, or 2360.

Special Requirements for the Bachelor of Science

The following requirement applies to all Bachelor of Science programs.

Minor Requirement

A minor is required and may be selected from any of the Texas State approved minors.

Undergraduate Degree Programs Offered at Texas State

The table on the following pages lists all undergraduate majors as they would appear on a diploma and transcript. Please note that a number of these programs have additional emphases, specializations, or concentrations available. Additional provisions, such as English, foreign language, and/or science requirements, may apply to the various degree and major programs listed. Please refer to the catalog page(s) indicated for more specific information about the program.

Major	Degree	Minimum Hours	Minor	Teacher Cert.
Accounting	BBA	120		
Agriculture	BSAG	120		Optional
Agriculture-Animal Science	BSAG	120		
Agriculture-Business and Management	BSAG	120		
Anthropology	BA	120	Required	
Anthropology	BS	120	Required	
Applied Arts and Sciences	BAAS	120		Optional
Applied Mathematics	BS	120	Required	
Applied Sociology	BS	120		
Art	BA	126	Required	
Athletic Training	BS	123		
Biochemistry	BS	120	Required	
Biology	BS	120	Required	
Biology-Aquatic Biology	BS	120	Required	
Biology-Microbiology	BS	120	Required	
Biology-Wildlife Biology	BS	133		
Chemistry	BS	120	Required	
Clinical Laboratory Science	BSCLS	137		
Communication Design	BFA	124		
Communication Disorders	BSCD	120		
Communication Studies	BA	120	Required	Optional
Computer Information Systems	BBA	120		
Computer Science	BA	120	Required	Optional
Computer Science	BS	120	Required	Optional
Concrete Industry Management	BST	123	Required	

Major	Degree	Minimum Hours	Minor	Teacher Cert.
Criminal Justice	BSCJ	120		
Criminal Justice-Corrections	BSCJ	120		
Criminal Justice-Law Enforcement	BSCJ	120		
Dance	BFA	120	Required	Optional
Economics	BA	120	Required	
Economics	BBA	120		
Electrical Engineering	BS	137		
Engineering Technology	BST	124		
English	BA	120	Required	Optional
Exercise and Sports Science	BESS	120	Required	Optional
Family and Child Development	BSFCS	120		Optional
Family and Consumer Sciences	BSFCS	120	Required	Optional
Fashion Merchandising	BSFCS	120	Required	
Finance	BBA	120		
French	BA	120	Required	Optional
General Studies	BGS	120		
Geography	BA	120	Required	
Geography	BS	120	Required	Optional
Geography-Geographic Information Science	BS	120	Required	
Geography-Physical Geography	BS	120	Required	
Geography-Resource and Environmental Studies	BS	120	Required	
Geography-Urban and Regional Planning	BS	120	Required	
Geography-Water Studies	BS	120	Required	
German	BA	120	Required	Optional
Health and Fitness Management	BESS	120	Required	
Health and Wellness Promotion	BHWP	120	Required	Optional
Health Information Management	BSHIM	123		
Healthcare Administration	BHA	120		
History	BA	120	Required	Optional
Industrial Engineering	BS	135		
Industrial Technology	BST	120		Optional
Industrial Technology-Construction Technology	BST	124		
Industrial Technology-Manufacturing Technology	BST	120		
Interdisciplinary Studies	BS	120		Yes

Major	Degree	Minimum Hours	Minor	Teacher Cert.
Interior Design	BSFCS	121		
International Studies	BAIS	120	Required	
International Studies-Interamerican Studies	BAIS	120	Required	
International Studies-International Relations	BAIS	120	Required	
Jazz Studies	BM	126		
Management	BBA	120		Optional
Manufacturing Engineering	BS	132		
Marketing	BBA	120		
Mass Communication	BA	120	Required	
Mass Communication-Advertising	BA	120	Required	
Mass Communication-Electronic Media	BA	120	Required	
Mass Communication-Journalism	BA	120	Required	
Mass Communication-Public Relations	BA	120	Required	
Mathematics	BA	120	Required	Optional
Mathematics	BS	120	Required	Optional
Music	BA	123	Required	
Music Studies	BM	132		Yes
Musical Theatre	BFA	125		
Nursing	BSN	130		
Nutrition & Foods	BSFCS	120		Optional
Performance	BM	123		
Philosophy	BA	120	Required	
Photography	BFA	124		
Physics	BA	120	Required	
Physics	BS	120	Required	
Political Science	BA	120	Required	Optional
Psychology	BA	120	Required	
Psychology	BS	120	Required	
Public Administration	BPA	120	Required	
Radiation Therapy	BSRT	131		
Recreational Administration	BSRA	120		
Respiratory Care	BSRC	139		
Social Work	BSW	129		
Sociology	BA	120	Required	
Sound Recording Technology	BS	122		
Spanish	BA	120	Required	Optional
Studio Art	BFA	124		Optional
Theatre	BA	120	Required	
Theatre	BFA	120		Optional

UNDERGRADUATE MINORS OFFERED AT TEXAS STATE

Minor	Minimum Hours
Aerospace Studies	19
Aging and the Life Course	18
Agriculture	19
Animal Science	19
Anthropology	20
Art and Design	24
Biochemistry	24
Biology	21
Business Administration	18
Chemistry	21
Coaching Athletics	25
Communication Studies	21
Computer Science	23
Consumer Science	18
Criminal Justice	18
Dance	23
Diversity Studies	18
Early Childhood Intervention	18
Economics	18
English	24
Exercise and Sports Science	25
Family & Child Development	18
Family & Consumer Sciences	18
Fashion Merchandising	18
Forensic Psychology	21
French	15
Geography	19
Geology	19
German	15
Health & Wellness Promotion	24
Health Information Management	22
Healthcare Administration	18
History	24
Horticulture	18
Honors Studies	21
International Studies	21
Japanese	12
Journalism	18
Leadership Studies	21
Mass Communication	18
Mathematics	20
Media Studies	18
Medieval and Renaissance Studies	24
Military Science	23
Music	18
Nature and Heritage Tourism	24
Philosophy	18
Physics	21

Minor	Minimum Hours
Plant and Soil Science	20
Political Communication	24
Political Science	24
Psychology	18
Public Administration	24
Recreational Administration	21
Religious Studies	18
Secondary Education	21
Social Work	18
Sociology	18
Southwestern Studies	18
Spanish	15
Special Education	21
Sports Psychology	21
Studies in Popular Culture	18
Technology	18
Theatre	18
Value Studies	18
Women's Studies	18
Writing	24

Pre-Professional Curricula

Students preparing to study architecture, pharmacy, physical therapy, medicine, dentistry, veterinary medicine, engineering, or law should enroll in the degree plan as suggested by the advisors listed below. Before each registration, the student should consult his or her advisor.

Architecture

Architectural degree programs are offered as four, five and/or six year options. Schools offering Architectural programs in Texas include The University of Texas at Austin, The University of Texas at San Antonio, The University of Texas at Arlington, Texas Tech University, The University of Houston, Rice University, and Texas A&M University. Majors include areas associated with architectural design, architectural engineering, regional and city planning, and landscape architecture.

Those courses accepted by most architecture schools are: ENG 1310, 1320, MATH 1315, 1317, HIST 1310, 1320, POSI 2310, 2320, PHYS 1410, 1420 and physical education activities, two semester hours. Other courses could be selected based on the selected school, architectural major, and student's background. Selected options in architecture use a broad based general academic or liberal arts program as a foundation to build the degree plan, while others will use only a minimum of these courses.

Because of the many choices of curricula in the field of architecture, all pre-architecture students, from the time they first enroll, should regularly consult with their advisor in selecting courses. Failure to do so may result in loss of transfer credit. Even courses accepted for transfer credit by another university may not apply toward a degree in architecture. Only those courses acceptable by the dean of the student's elected architecture school may be counted toward the corresponding degree. For more information contact the Department of Technology.

Health Professions Programs

Students interested in health professions programs should visit or contact the College of Health Professions Academic Advising Center. Information about the following fields is available: clinical laboratory science, communication disorders, healthcare administration, health information management, nursing, radiation therapy, and respiratory care. Although the College does not offer occupational therapy, it does provide pre-professional advising.

Dentistry

The DEAP student enters and completes the accelerated undergraduate curriculum at Texas State. The Texas State curriculum includes a minimum of 93 semester credit hours which can usually be completed in 3 years, 60 of these hours must be earned in residence at Texas State. Advanced placement and dual credit hours shall not be counted in the minimum of 60 hours in residence at Texas State. For more information contact the Department of Biology. The following courses are required:

General Education Core Curriculum (47 hours):

- ENG 1310 and 1320 (6 hours)
- COMM 1310 (3 hours)
- MATH 2321 (3 hours)
- CHEM 1141, 1341, 1142 and 1342 (8 hours)
- 1 course from: ENG 2310, 2320, 2330, 2340, 2359 or 2360 (3 hours)
- PHIL 1305 or 1320 (3 hours)
- ART or DAN or MU or TH 2313 (3 hours)
- HIST 1310 and 1320 (6 hours)
- POSI 2310 and 2320 (6 hours)
- 1 course from: ANTH 1312, ECO 2301, GEO 1310, PSY 1300, SOCI 1310, or ECO 2314 (3 hours)
- 2 1-hour courses in PFW (2 hours)
- US 1100 (1 hour)

Major Courses (27 hours):

- BIO 1430, 1431, and 2450 (12 hours)
- 1 course from: BIO 2400 or 2410, or 2411 (4 hours)
- 1 course from: BIO 3461 or 3465 or 4441 (4 hours)
- BIO 4416 (4 hours)
- BIO 4301 (3 hours)

Support Courses (19 hours):

- MATH 2331 (3 hours)
- PHYS 1410 and 1420 (8 hours)
- CHEM 2141, 2341, 2142 and 2342 (8 hours)

Law

All accredited law schools in the state-Baylor University, Southern Methodist University, South Texas School of Law, St. Mary's University, Texas Southern University, Texas Tech University, The University of Houston, Texas Wesleyan, and The University of Texas at Austin-require the following from applicants prior to admission: (1) a bachelor's degree, (2) superior grades, and (3) a satisfactory score on the Law School Admission Test (LSAT).

It is strongly recommended that as many of the following courses be taken during the junior and senior years as the major curriculum permits: ECO 2314, 2315; FIN 3301, BLAW 2361, 3362; GEO 3320, 4338; HIST 3315, 3316, 3344, 3349; PHIL 2330, 3320-3321, 3331-3332, 3340; POSI 3310, 3311, 3314, 4302, 4303, 4304, 4311, 4361; COMM 4331; and SOCI 3307 (or POSI 3377), 3308, 3343.

Pre-law students are urged to consult a pre-law representative, as appropriate, from the various colleges: Dr. David Perkins, Department of Criminal Justice; Dr. Alexis Stokes, McCoy College of Business Administration; Dr. Vincent Luizzi, Department of Philosophy; and Dr. Paul Kens and Dr. Ken Ward, Department of Political Science. The pre-law student should also become familiar with the services available through the Student Learning Assistance Center. For more information contact your pre-law representative.

Medicine

Medical schools recommend an appropriate bachelor's degree for entrance. A suggested program that will satisfy pre-medical requirements is as follows: CHEM 1141 and 1341; 1142 and 1342; 2141 and 2341; 2142 and 2342; BIO 1430, 1431, 2400 or 2411, 2450; PHYS 1410, 1420; MATH 2321 and 2331 (or 2417 and 2471); ENG 1310, 1320. For more information contact the Department of Biology pre-health advisor, www.bio.txstate.edu/prehealthadvising.

Pharmacy

Pharmacy is a six-year program, two years of which may be taken at Texas State. The following courses are required for the six pharmacy schools in Texas (The University of Texas at Austin, The University of Houston, Texas Southern University, Texas A&M University-Kingsville, Texas Tech University Health Science Center, and Incarnate Word University): BIO 1430, 1431; CHEM 1141 and 1341; 1142 and 1342; 2141 and 2341; 2142 and 2342; HIST 1310, 1320; PHYS 1410; POSI 2310, 2320. Requirements for mathematics, English and other courses vary according to the pharmacy school. Consequently, it is imperative that pre-pharmacy students consult with the advisor prior to and during their pre-pharmacy program. For more information contact the Department of Chemistry and Biochemistry.

Physical Therapy

The physical therapy profession requires a post-baccalaureate degree in order to practice; Texas State offers a Doctor of Physical Therapy degree program. For more information, contact the Department of Physical Therapy or visit www.health.txstate.edu/pt. The Department of Physical Therapy does not require a specific undergraduate degree in order to gain entrance into their program. However, the Department of Health, Human Performance (HHP) offers an undergraduate degree program that will prepare students to enter the application process for a physical therapy graduate program. The main focus of this program is to combine the background courses required for entrance to physical therapy programs with quality support courses from the Exercise and Sports Science majors. This program provides a strong academic degree and a pre-physical therapy program that will enable students to be competitive as they apply to master level physical therapy graduate programs.

Students will be required to take existing courses used as pre-requisites for the Texas State Physical Therapy Graduate Program and other courses from Texas State program in Exercise and Sports Science. See the HHP Department section of the catalog for specific course requirements in the degree plan for the Exercise and Sports Science major emphasis in Pre-Physical Therapy.

Students will declare Exercise and Sports Science as their undergraduate major and Pre-Physical Therapy as their emphasis. Students will register with the College of Education Undergraduate Advising Center and in order to seek degree advice. Students will follow the degree plan formulated by the HHP Department, with exceptions approved by the College of Education Undergraduate Advising Center upon advice from the HHP Department.

Veterinary Medicine

The only College of Veterinary Medicine in Texas is at Texas A&M University. Prior to admission, students must complete at least 64 hours of course work, which constitutes a pre-veterinary program. At Texas State, all students must choose a major in one of the 4-year bachelor's programs. While any major is acceptable, majors in Agriculture/Animal Science, Biology or Chemistry most nearly parallel the courses required in the pre-veterinary program. Required courses are as follows: AG 3301 or BIO 2450; AG 3325 or 4325; BIO 1430, 2400; CHEM 1141/1341, 1142/1342, 2141/2341, 2142/2342, and CHEM 3375 or 4375; ENG 1310, 3 hours literature, 3303; COMM 2338; MATH 1329 or 2471 or AG 3352; and PHYS 1410, 1420.

Formal applications for the College of Veterinary Medicine at Texas A & M are available online at www.cvm.tamu.edu/dcvm/admissions/application.shtml after May 1 of each year, and must be submitted on or before October 1 in order to be considered for the succeeding fall class. Additional application information may be obtained by calling the Texas A & M Dean's Office at 979.862.1169 or on their website www.cvm.tamu.edu.

Applicants must have an overall grade point ratio of 2.90 or better or a 3.10 grade point ratio or better over the last 45 semester credits completed ("A"=4.00 grade points).

Applicants must submit scores for the Graduate Record Examination (GRE) before September 30. Failure to do so may

disqualify the applicant for consideration during the current cycle. Please refer to Texas A & M's website at www.cvm.tamu.edu for further information.

Advising for students at Texas State who wish to pursue the pre-professional curriculum in veterinary medicine is available by contacting the Pre-Veterinary Advisor in the Department of Agriculture, or by appointment with the Office of the Dean, College of Veterinary Medicine, Texas A&M University, College Station, Texas 77843 979.862.1169.

Multicultural Course Designation

In support of an increasingly diverse student body, Texas State is dedicated to increasing multiculturalism in the curriculum. Thus, courses are identified in the catalog and schedule of classes that offer students an opportunity to enhance their multicultural competence.

Classification System. The multicultural classification system helps Texas State track multicultural courses to determine the level at which we are providing U.S. and international diversity issues in the curriculum. The system is an accountability measure that is used as a tool to help departments/schools and colleges communicate diversity infusion to faculty, staff, students, and the community through published data reports. The classification system recognizes the significance of multicultural content and multicultural perspectives. Students benefit from multicultural content as well as perspectives. A course that is not high in multicultural content (60% or more) may promote multicultural literacy through multicultural perspectives; that is, its approach to teaching strategies, interactions, and assessment promotes an awareness and appreciation of diversity.

Definitions

Multicultural Content (MC): courses with 60% of the content multicultural (U.S. or international.)

Multicultural Perspective (MP): courses using a variety of strategies to encourage multicultural literacy, including content, instructional strategies, assessment, and classroom interactions. (When this is the only classification noted, the content is less than 60%).

Correspondence Studies

302 Academic Services Building North

www.correspondence.txstate.edu

T: 512.245.2322 F: 512.245.8934

Toll-free: 800.511.8656

Correspondence study is another option for students to earn college credit. When circumstances such as family, jobs, business travel, etc. compete for time, and students find that it is difficult to schedule their on-campus classes, correspondence study offers a solution. Courses are offered through various disciplines such as art, humanities, science, health-related fields, mathematics, psychology, modern languages, and sociology. Courses are frequently revised, so students are encouraged to contact the Office of Correspondence Studies for the most current list of course offerings or visit the office's website.

Students may enroll in courses at any time of the year and take up to nine months to complete them. A three-month enrollment extension is available for a nominal fee. Instruction is provided by means of a study guide and textbooks, and when appropriate, may include CD-ROMs, videos, audiocassettes, and additional reference and instructional material. Many courses accommodate e-mail submission of assignments, and some courses are now available online.

How Correspondence Study Works. The study guide or course website used in each course gives students step-by-step instructions for completing the lessons required for the course and includes study tips, topic discussions, assignments, and other pertinent course information. Students must complete each lesson and submit the accompanying assignment to the instructor through the Office of Correspondence Studies for grading. The instructor provides written feedback on assignments when necessary and answers questions that students may have. Assignments are then returned to the student. Almost all courses have examinations, and many may have two or three. All examinations must either be administered in the Office of Correspondence Studies or, for those students who live outside the area, administered by an approved exam proctor.

General Regulations. The following regulations govern correspondence study at Texas State:

1. Students do not have to be currently enrolled or admitted to a college or university to take a correspondence course.
2. Enrollment in a correspondence course does not constitute official admission to Texas State.
3. Texas residents or persons attending public colleges or universities in Texas are subject to compliance with Texas Success Initiative Program regulations.
4. Texas State juniors and seniors must obtain approval from an academic advisor in their college before they may enroll in a correspondence course. Students from other colleges and universities are advised to obtain approval from the appropriate university official of their home institution before enrolling.
5. Texas State correspondence courses are applicable toward Texas State degrees. A maximum of 18 hours of correspondence credit may be applied toward a bachelor's degree.
6. All assignments and exams must be completed to receive credit. The grading criteria for each course are stated in the course study guide.
7. Correspondence course grades are calculated into students' Texas State GPA.
8. Students may enroll in a correspondence course at any time during the year and take up to nine months to complete it. A one-time extension of three months is allowed for a nominal fee. No enrollment may go beyond twelve months from the original enrollment date.
9. A minimum of four weeks must be allowed after a course has been completed for a grade to be reported to the Texas State Registrar.
10. Students on active suspension from Texas State are not eligible to enroll in correspondence courses.

11. If enrollment in correspondence courses creates an academic overload, students must have prior, written approval of their college dean or department chair/school director.
12. Correspondence courses completed through Texas State are applicable toward residency requirements.

Extension Studies

302 Academic Services Building North

www.extension.txstate.edu

T: 512.245.2322 F: 512.245.8934

Toll-free: 800.511.8656

Texas State's Office of Extension Studies serves those persons who are unable to come to campus and who wish to earn degree credit, as well as those who wish to pursue in-service training, or to enroll in college courses not normally offered through the academic departments/schools. Extension courses are offered on campus and at various off-campus locations. The times and locations for such courses depend on student need, faculty availability, and demand. In the past, courses have been offered in San Antonio at USAA, in Seguin at Motorola, and at a number of school districts in Travis and Williamson Counties, as well as in several foreign countries.

General Regulations. The following regulations govern Texas State extension study:

1. Enrollment in an extension course does not constitute official admission to the university.
2. Students from other institutions who wish to transfer extension credit should obtain prior approval of their home institution.
3. If enrollment in extension courses will create an academic overload, students must have prior, written approval of their college dean and department chair/school director.
4. Transcript records are maintained for all credit earned by extension.
5. A maximum of thirty semester hours for Texas State credit may be completed through a combination of correspondence and extension courses.
6. Students on active suspension from Texas State are not eligible to enroll in courses for extension credit.
7. Texas residents or persons attending public colleges or universities in Texas are subject to compliance with Texas Success Initiative Program regulations.
8. Full-time students at Texas State may not enroll in extension courses without written permission from an approved advisor of the appropriate college.
9. Students are responsible for ascertaining whether or not credit for an extension course will apply to a particular program and whether or not it will transfer to another institution.
10. Extension courses completed through Texas State are applicable toward residency requirements.

Study Abroad

302 Academic Services Building North
www.studyabroad.txstate.edu
T: 512.245.1967 F: 512.245.1644
Toll-free: 800.511.8656

The study-abroad experience expands students' intellectual and personal development as they become immersed in other cultures. Students gain a critical self-awareness, an appreciation for a multicultural world, and a clearer understanding of their own culture. Study abroad prepares students to assume their role as responsible world citizens and to succeed professionally in today's global economy.

The Office of Study Abroad Programs offers students the opportunity to participate in a variety of study abroad programs at locations around the world. The credit students earn may be applied toward a degree at Texas State. Some of these programs involve direct enrollment in an overseas institution, while other programs are led by Texas State faculty.

Through Texas State Study Abroad Programs, students can spend from three weeks to a full academic year in another country either by learning another language, by concentrating their studies related to a specific topic in their field of study, or by participating in an internship. Texas State Study Abroad Programs include a variety of activities that allow students to learn and experience the culture of the host country. In some of these programs students have the opportunity to live with a host family to become totally immersed in the culture of the host country for a more comprehensive learning experience.

Program locations vary each year, but typically include such countries as Australia, Belize, Canada, Chile, Costa Rica, England, France, Germany, Holland, Iceland, Ireland, Italy, Japan, Korea, Mexico, Spain, Sweden, and Switzerland. Students may learn more about these programs from current information located in the Study Abroad Library. In addition to information about Texas State's Study Abroad Programs, the Study Abroad Library houses a wealth of information about programs available from other universities as well as study-abroad companies.

Financial Assistance for Study Abroad Programs. Most of the financial aid that students would normally receive for studying at Texas State may be applied toward Texas State Study Abroad Programs. Additionally, there are many schools and study-abroad providers that offer financial aid for attending their programs. If a student is on federal or state financial aid, it is recommended that the student speak with a representative of the Texas State Office of Financial Aid to determine the application of such aid to any study-abroad program and the possible adjustment to meet the student's needs.

The Office of Study Abroad Programs also has information on scholarships that are available to students who want to study abroad. At Texas State, students are also eligible for the International Education Fee Scholarship (IEFS). This scholarship program is

funded through the student service fee account. The scholarships are distributed in a competition open to all undergraduate and graduate Texas State students, including international students, who meet the established eligibility requirements.

Continuing Education

Clevenger House
www.continuing-ed.txstate.edu
T: 512.245.2507 F: 512.245.3173

The Office of Continuing Education works in cooperation with the academic colleges, schools, departments and programs to extend the resources of Texas State beyond the traditional campus classroom. Professional staff in Continuing Education work with other faculty and staff and assists them in offering seminars, workshops, conferences, and short courses that help meet the needs of the many communities Texas State serves. Continuing Education coordinates planning, budgeting, marketing, fee collection, registration, meals, housing, evaluation, and other duties that may be required.

These programs are generally non-credit in nature. Some programs receive Continuing Education credits, and those who successfully complete these designated programs are awarded Continuing Education Units. One CEU is awarded to a person who completes a ten contact hour program.

Texas Certified Public Manager Program

Aquarena Center
www.txstate.edu/cpm
T: 512.245.3453 F: 512.331.7293

Texas State has been officially designated by the National Consortium of Certified Public Managers (CPM) to offer this program in Texas. The CPM Program offers a systematic training program to enhance quality, efficiency of management in government and improve professionalism and effectiveness of government managers. Individuals may enroll at any time during the year; programs are held approximately every two months. Admission to Texas State is not required.

International Office

Hill House
www.international.txstate.edu
T: 512.245.7966 F: 512.245.8264

The International Office assists the university in developing and maintaining an internationally diverse student body, faculty, and staff by:

1. Contributing to the retention of non immigrant international students and J-1 Exchange Visitors by serving as their advocates, by providing information and services to facilitate their academic and cultural adjustment and by maintaining compliance with related Department of Homeland Security (DHS) regulations.
2. Contributing to the research and teaching mission of the university by assisting the Office of Faculty Records, departments and Human Resources with the employment of distinguished non immigrant faculty and staff and by maintaining compliance with associated government regulations.
3. Promoting global awareness and perspective at the university by facilitating international agreements and by sponsoring international education month each November.

Texas State Intensive English Language Program (TSIE)

Academic Services Building North 400

www.txstate.edu/ic

T: 512.245.7810 F: 512.245.3752

TSIE is a non-credit university intensive English-as-a-Second-Language (ESL) program for international students who: (1) want to improve their command of the language before entering college; (2) are participating in the TSIE Pre-Bridge or Bridge Programs; or (3) are regularly enrolled and want to polish language abilities. Beginning, intermediate, and advanced classes, emphasizing academic reading, writing, grammar, and oral skills, are offered during the fall, spring, and summer sessions.

Round Rock Higher Education Center

www.rrhec.txstate.edu

T: 512.716.4001 F: 512.716.4110

Texas State is addressing educational needs of North Austin and Williamson County through the Round Rock Higher Education Center (RRHEC), located on University Boulevard in northeast Round Rock. The RRHEC is a coalition of three institutions, which continually assesses and responds to the area's educational needs by providing associates, bachelor's, and master's degree programs. The RRHEC also offers various certificate programs for workforce training/education. Students pay the same tuition as those attending in San Marcos, but fees may be slightly different. Texas State offers the junior and senior level courses for the following baccalaureate programs at the RRHEC:

- Bachelor of Applied Arts and Sciences, major in Applied Arts and Sciences
- Bachelor of Arts, major in Computer Science
- Bachelor of Arts, major in Mass Communication (General)
- Bachelor of Business Administration, major in Management
- Bachelor of Science, major in Interdisciplinary Studies (EC-6 ESL Generalist)
- Bachelor of Science, major in Computer Science
- Bachelor of Arts, major in Psychology
- Bachelor of Science in Criminal Justice, major in Criminal Justice-Law Enforcement
- Bachelor of Science in Nursing, major in Nursing (Starting fall 2010)

To be eligible to register for the Texas State classes at RRHEC, students must have completed their sophomore year or completed at least 45 hours. The 45 hours of academic credit must be from the prescribed degree plans for the majors offered at the RRHEC. Students who intend to complete the junior and senior level classes at RRHEC, must submit the same admission documents and meet the same admission requirements as any potential Texas State University-San Marcos student. However, the procedures after the admission process has been completed, is different for RRHEC. Therefore, it is very important to follow the Getting Started procedures listed on the RRHEC website.

For specific information, consult the RRHEC website: www.rrhec.txstate.edu or email rrhec@txstate.edu.

University College

DEAN

Ronald Brown, Ph.D.

T: 512.245.3579 F: 512.245.8765

Academic Services Building North, Room 108

www.txstate.edu/ucollege

ASSOCIATE DEAN

David Nelson, Ph.D.

ASSISTANT DEAN

Pam Wuestenberg, Ph.D.

ACADEMIC ADVISING CENTER

T: 512.245.2218 F: 512.245.8765

Academic Services Building North, Room 100

www.ucollege.txstate.edu/advising/

DIRECTORS

Athletic Academic Center – David Flores, B.S.

Athletic Certification – Susan Rolls, M.Ed.

Mathworks – Max Warshauer, Ph.D.

Student Learning Assistance Center – Carol Dochen, Ph.D.

Testing, Research-Support and Evaluation Center – Gail Ryser, Ph.D.

Texas Success Initiative Program – Verna Henson, Ph.D.

University Honors Program – Heather Galloway, Ph.D.

University Seminar – Pam Wuestenberg, Ph.D.

DEGREE PROGRAM OFFERED:

BGS, major in General Studies

The BGS program is based on three Texas State minors selected to support the student's interests and supplement coursework already completed. Since the program is based on individualized combinations of courses for each student, educational objectives will vary to match the student's goals. This will be determined in the investigation, research, decision making and planning that takes place in the GNST 1150 introductory course. The objective common to all degree plans will be to learn to abstract materials from appropriate disciplines, to analyze their applicability, and to synthesize them into a cross-disciplinary examination of broad-based issues. Achievement of this objective will be strengthened through the capstone GNST 4350 course, which requires design, implementation and completion of an interdisciplinary project that incorporates all disciplines included in the individualized program. The objective of the BGS program is to provide a mechanism whereby students may use three minors to combine curricular offerings not normally associated with each other, or to combine previously completed courses with new ones in a package that allows both specialized and generalized education.



As with any major, it is important to check with a University College Bachelor of General Studies (BGS) advisor on a regular basis to ensure that progress is being made in meeting BGS program requirements. Take particular notice that the minors used for the degree may have different requirements than those listed in the Texas State catalog because of the advanced hours requirement and the minimum acceptable grade of C in minor courses. Additionally, since the purpose of the major is to ensure a breadth of education across the three chosen minors, certain minor combinations with course duplication may not be allowed. Finally, enrollment in the GNST 1150 and GNST 4350 course is limited to BGS majors in good academic standing and due to class size limits, enrollment is not guaranteed for a given semester. Consultation with the BGS advisor, early planning and registration should ensure that this will not become an issue. Students are encouraged to frequently reference the BGS website to minimize conflicts and misunderstandings.

1. Students must be in good academic standing (Texas State gpa minimum of 2.0) to declare the BGS major. Students not in good academic standing may be advised in the University College Advising Center as “undeclared” majors.
2. Prior to declaration of the BGS major, students must attend an information session and fill out an initial questionnaire. Entry to the major will depend on a review of questionnaire responses by BGS faculty.
3. Students must be a BGS major and have a minimum 2.0 Texas State gpa to register for and take GNST 1150 and GNST 4350.
4. Students must complete both GNST 1150 and GNST 4350 at Texas State. Only HON 4390B-Honors Thesis may be substituted for GNST 4350.
5. Though the major is interdisciplinary and based on three minors as defined by the Texas State catalog, certain minor combinations may not be allowed if coursework is duplicative. A course may be counted toward more than one minor only if it is specifically required by those minors.
6. Course substitutions in the minors will only be allowed with permission of the General Studies faculty and input from the appropriate departments.

Bachelor of General Studies Major in General Studies Minimum required: 120 semester hours							
General Requirements: 1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000. 2. If two years of the same foreign language were taken in high school, then enough additional hours to total the minimum 120 hours required for the degree will fulfill this requirement. In the absence of such high school language, two semesters of the same foreign language must be taken at the college level.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	ENG Literature	3	GNST 1150	1	GNST 4350	3
Social Science Component	3	HIST 1320	6	Electives	10	Electives	6
MATH Component	3-4	POSI 2320	7-8	Minor	18	Minor	21
ENG 1310, 1320	6	Natural Science Component	15				
US 1100	1	Minor					
POSI 2310	3						
HIST 1310	3						
PFW two courses	2						
PHIL1305 or 1320	3						
ART, DAN, MU or TH 2313	3						
Total	30-31	Total	31-32	Total	29	Total	30

Courses in General Studies (GNST)

1150 Introduction to Interdisciplinary Experiences. (1-0) This course will include a variety of projects and written assignments designed to encourage self-analysis of career/intellectual interests, selection of appropriate coursework, and career planning. Culminates in the development of an interdisciplinary plan, incorporating three formal minors and leading to a BGS degree. Prerequisite: Declared BGS major, instructor permission.

4350 Interdisciplinary Project. (3-0) Students will complete a project incorporating all disciplines from their individualized program consisting of research, literature reviews, and information analysis resulting in a written or media product. Prerequisite: GNST 1150.

General Education Core Curriculum

In order to acquire the fundamental skills and cultural background that are the marks of an educated person, all students at Texas State complete a program of general education core curriculum courses, which serves as the common foundation for all majors and accounts for about 38 percent of the approximately 120 semester credit hours required for a bachelor's degree.

Conceptually, the general education core curriculum experience starts with a common integrative University Seminar taken by all freshmen who have not completed an equivalent college-level course elsewhere, branches out to a series of component areas, and then moves on to the student's chosen major.

Thus, at the end of the bachelor's program, the student is prepared not only in a departmental field of study, but also in the general abilities of questioning, explaining, and learning that remain

universally useful in a rapidly changing world. Texas State graduates have the raw materials to build solutions as they fulfill career and civic responsibilities.

A list of courses and course choices that fulfill the general education core curriculum is given below. In many cases, the academic plans of various Texas State colleges, departments, degrees, majors, and certifications modify or exceed these standards, so students are urged to carefully examine all sections of this catalog, which apply to the academic program of their choice.

Students transferring from Texas public institutions of higher education may have to fulfill only those portions of the general education core curriculum not completed at their previous institutions. Students from private or out-of-state institutions or those who took coursework before the core curriculum was put into place (Fall 1999), will have their coursework evaluated to determine if it is equivalent to that required at Texas State.

For all students, specific major requirements may override those in the core curriculum. Those who have completed the core requirement for college math, for instance, may have to complete Calculus if such is required by their major. In all cases, the major and core requirements applicable are those in the year catalog to which the student is assigned. A list of general education core requirements at all Texas public institutions of higher education is available online at <http://statecore.its.txstate.edu>.

GENERAL EDUCATION CORE CURRICULUM COMPONENTS

Communication Component (9 hours)

ENG 1310 and 1320-College Writing, Parts I & II
COMM 1310-Fundamentals of Human Communication

Mathematics Component (3-4 hours)

Choose one from:

MATH 1315-College Algebra
MATH 1316-Survey of Contemporary Mathematics
MATH 1317-Plane Trigonometry
MATH 1319-Mathematics for Business & Economics I
MATH 1329-Mathematics for Business and Economics II
MATH 2321-Calculus for Life Sciences I
MATH 2417-PreCalculus Mathematics
MATH 2471-Calculus I

(See Department of Mathematics section of this catalog for minimum test scores and/or prerequisites required to enroll in these courses. Students may have to complete MATH 1300–Pre–College Algebra or MATH 1311–Basic Mathematics before enrolling in MATH 1315–College Algebra.)

Natural Science Component (7-8 hours)

(If both courses are from the same science, one course may be non-laboratory.)

ANTH 2414-Physical Anthropology
BIO 1320-Modern Biology I (for non-majors)
BIO 1421-Modern Biology II (for non-majors)
BIO 1430-Functional Biology (for majors)
BIO 1431 Organismal Biology (for majors)
CHEM 1310-Introductory Chemistry for Non-Science Majors
CHEM 1430-Chemistry for Non-Science Majors
CHEM 1341/1141-General Chemistry I
CHEM 1342/1142-General Chemistry II
GEO 1305/1105-Meteorology
GEOL 1410-Physical Geology
GEOL 1420-Historical Geology
PHYS 1110, 1310, 1320-Elementary Physics
PHYS 1140-Introductory Laboratory in Astronomy
PHYS 1340-Astronomy: Solar System
PHYS 1350-Astronomy: Stars and Galaxies
PHYS 1410-General Physics I
PHYS 1420-General Physics II
PHYS 1430-Mechanics
PHYS 2425-Electricity & Magnetism (Engineering Sequence)

Humanities & Visual and Performing Arts

Component (9 hours)

ART 2313, DAN 2313, MU 2313, or
TH 2313-Introduction to Fine Arts
PHIL 1305-Philosophy and Critical Thinking or PHIL
1320-Ethics and Society
Choose one from:
ENG 2310, 2320-British Literature before 1785, British
Literature since 1785
ENG 2330, 2340-World Literature before 1600, World Literature
since 1600
ENG 2359, 2360-American Literature before 1865, American
Literature since 1865

Social and Behavioral Sciences Component (15 hours)

HIST 1310-History of the U.S. to 1877
HIST 1320-History of the U.S., 1877 to date
POSI 2310-Principles of American Government
POSI 2320-Functions of American Government
Choose one from:
ANTH 1312-Cultural Anthropology
ECO 2301-Principles of Economics
ECO 2314-Principles of Microeconomics
GEO 1310-World Geography
PSY 1300-Introduction to Psychology
SOC 1310-Introduction to Sociology

Texas State Component (3 hours)

US 1100-University Seminar (for Freshmen-29 hours or less)
Choose two courses from:
PFW 1101-1139, 1150-1164, 1166-1225; DAN 1160, 1170,
1180, 1190, 2161, 2181, 2191 or 2208;
Or take one course from the above and one from:
PFW 1140, 1149, 1165; MUSE 3120 (Marching Band)

A complete listing of the course offerings is available in the Department of Health and Human Performance section of this catalog and in the Schedule of Classes. Veterans with a DD214 discharge form or those with similar active duty in the National Guard, Reserves or Armed Forces of the United States or of another nation may receive up to 4 hours of PFW credit for that service. Students with documented disabilities should consult with the Department of Health and Human Performance for appropriate accommodations.

WRITING INTENSIVE

Certain Texas State courses are designated as “writing intensive” and are labeled as (WI) in this catalog and the schedule of classes. In order to achieve this status, at least 65% of the course grade must be based on written assignments and a minimum of one extended piece of writing must be required. Academic colleges require a minimum of 9 credit hours of these courses for graduation. In addition to certain major and elective courses, the two History and two Philosophy courses included in the general education core curriculum are writing intensive. These courses as well as other courses appropriate for writing intensive credit must be taken at Texas State.

TRANSFER STUDENTS

Students transferring from other institutions of higher education will have their transcripts initially evaluated by the Undergraduate Admissions Office to determine which courses will apply to Texas State requirements. Those seeking more specific evaluation of courses for fulfillment of general education core curriculum components may contact University College to initiate the process. Students should be prepared to provide documentation such as catalog descriptions, course syllabi and textbook information to facilitate verification of course content. Under the provisions of the Texas general education core curriculum, Texas State must accept courses that fulfill the core curriculum at other Texas public institutions (indicated by a 3-digit code on the transcript), and may not accept other courses unless they are equivalent to the required Texas State course.

ACADEMIC ADVISING CENTER

University College provides academic advising for students who are undecided about a major, those who are changing majors, those who are working toward admission into a particular program, and those majoring in General Studies. Advisors will assist students in researching options, evaluating alternatives, and making decisions so that they may make realistic and satisfying choices of majors. They will also provide guidance in completing the general education requirements. The advising goal is to provide accessible, friendly, and accurate advising.

University College advising is located on the first floor of Academic Services Building North and is available between 8:00 and 5:00, Monday through Friday. Services include one-on-one appointments, registration advising sessions before and during early registration, and probation advising sessions. Electronic newsletters are sent to students with the major codes 100.00 (Undeclared) and 100.50 (Undeclared-Professional) each semester to provide reminders of the services available.

NATIONAL STUDENT EXCHANGE

The National Student Exchange (NSE) is a University College program that offers Texas State students a unique opportunity to expand their educational horizons by enrolling at a participating university for one or two semesters. Students can benefit from the NSE program by accessing different courses, internships, career options, and exploring graduate schools at over 200 colleges and universities around the nation while paying in-state tuition.

An exchange consists of a single semester or a full academic year of coursework at any college or university in the NSE consortium. Students can choose member institutions throughout 49 United States, as well as Guam, the U. S. Virgin Islands, and Puerto Rico. Credits earned at these host institutions can be transferred back to Texas State, allowing students to maintain progress toward their academic objectives. For the privilege of NSE participation, Texas State students enjoy in-state tuition and fees at their host institution on Plan A payment status, or 15 hours of coursework at Texas State in-state rates on Plan B payment.

Applications for the NSE program are due in February for fall and spring exchanges. Interested students must have a full-time course load and maintain a 2.5 cumulative GPA. Requirements of the program include a completed application and a \$170 application fee. For more information about the National Student Exchange, contact University College or refer to the Texas State-NSE web site at www.txstate.edu/ucollege/programs/nse.html.

University Seminar

Academic Services Building–North, Room 410
T: 512.245.7952 F: 512.245.7908
www.txstate.edu/ucollege/universityseminar

The University Seminar course should be taken during a freshman student's first semester at Texas State. Taught by approximately 100 faculty from every college of the university, the course introduces students to the process of college thinking by encouraging them to examine their present lives. Opening with the questions, "Who am I?", "What do I value?", "What do I want in life?", the course turns next to an investigation of the nature and purposes of a university. Finally, students are asked to relate these topics by exploring the connection between their university education and the lifestyle that they will build during and after college. This course presents the nature and structure of university education with special emphasis on the benefits and values of general education. University Seminar tries to help freshmen think through a most important question: "Why am I here; why is a university education for me?" The one-hour Seminar is coordinated through University College. Distinct sections of the course may serve freshmen with common interests. These are labeled in the Schedule of Classes.

Course in University Seminar (US)

1100 University Seminar. (1-0) University Seminar is an introduction to the nature and aims of university education, with special emphasis on the value of broad learning.

University Honors Program

Lampasas 407
T: 512.245.2266 F: 512.245.8959
www.txstate.edu/honors

The University Honors Program offers eclectic and challenging interdisciplinary courses for students from all majors. Students whose curiosity drives them to seek a deeper understanding and explore the roots of ideas find a community in the University Honors Program. Courses designed by professors in fields such as physics, mathematics, the humanities, poetry, or the arts, provide students the opportunity to choose their path of study and, through the Honors Independent Study, the Honors Contract course and the Honors Thesis, design their own curriculum. Students in small seminar-type classes discuss ideas and raise questions stimulated by readings, field trips, and presentations. Honors classes aim to promote interdisciplinary inquiry, creativity, and a lifetime love of learning.

The University Honors Program encourages students to apply for nationally and internationally competitive awards such as the Rhodes graduate scholarships and works with students applying to graduate schools. The program works to offer study abroad experiences and encourages students to participate. Additionally, the University Honors Program students and staff participate in the Texas State "Common Experience" program to encourage a

campus-wide conversation around a common theme and a common core reading distributed to incoming students.

The University Honors Program is housed in the historic Lampasas building, adjacent to Old Main. The renovated space includes seminar rooms, a student computer lab, a conference room, offices for staff and student academic organizations, and the University Honors Forum—a large area designed for coffee, conversation, and study, complete with wireless Internet access and art exhibits complementing the Common Experience theme.

PROGRAMS AND REQUIREMENTS

The University Honors Program accepts students on a rolling admissions basis. To apply, go to www.txstate.edu/honors/appplynow.html. Entering 1st year students from the top 10 percent of their graduating class, or those with a composite score of 27 on the ACT or 1180 on the SAT, are eligible to apply for admission to the program. Transfer or currently enrolled students with a GPA of at least 3.25 are also eligible to apply. University Honors classes are filled on a first-come, first-served basis.

Students wishing to graduate in the University Honors Program now have two avenues available for doing so: (1) the traditional Honors Program, where students complete at least five Honors courses (15 hours), including the Honors Thesis and (2) a minor in Honors Studies, where students complete at least seven honors courses (21 hours), including the Senior Seminar and the Honors Thesis. All University Honors students must maintain a minimum GPA of 3.25 to remain in and to graduate from the program. Students may elect to participate in the University Honors curriculum and community without completing honors graduation requirements.

PROGRAM BENEFITS

University Honors students receive access to early registration each semester. Students may receive special travel assistance from the University Honors Program to present research at regional and national conferences and are eligible for a variety of scholarships awarded through the University Honors Program.

The Honors Thesis (a requirement to graduate in the program) allows students to design a research or creative project that they complete under the supervision of a professor who is an expert in the research area. Students present their theses in an undergraduate thesis forum, and completed theses are added to the collection of Alkek Library. Students use the experience of completing an honors thesis in their applications to graduate school and/or applications for post graduate work.

Texas State rewards completion of the University Honors Program requirements with name and thesis title included in the Commencement program, a special transcript annotation, and a University Honors Program certificate as a supplement to the diploma. The University Honors Program also provides a special medallion to its graduates, especially suited for wearing at Commencement.

PROGRAM FACULTY

The University Honors Program builds on the strength of master teacher-scholars from across the campus, including persons who have garnered Presidential Excellence awards, Piper Professor and other state/national teaching awards, Fulbright Fellowships, and awards for their writing, research, and service contributions. Current faculty are listed on the website.

Courses in Honors (HON)

New Honors courses are created continually, a process that ensures innovative, thoughtful offerings not duplicated elsewhere. Faculty members and students who participate in University Honors classes represent many different academic departments and colleges from across the campus. University Honors courses feature an explicitly interdisciplinary component, and all University Honors courses are, by definition, writing intensive. The courses are also discussion intensive, and students are expected to communicate effectively orally, as well as demonstrate problem-solving skills. Many of the courses are designed to replace general education core requirements or advanced offerings. The catalog contains generic course descriptions. To see particular University Honors courses that are offered within the general rubrics listed, please see course listings at the University Honors Program website: <http://www.txstate.edu/honors>. Recent course offerings include Graphic Novel: Form and Practice, New and Old World Philosophy, The Voices of Eros in Poetry, Elementary Number Theory, Baseball and the American Experience, Relativity & Quantum Mechanics for the Non Science Major, Disturbing the Peace: Politics of Language & Power in Hip-Hop Culture, C.S. Lewis: Chronicles of a Master Communicator, Intro to Arab Culture; Astronomy in Art, History and Literature; and From Court to Street: 18th Century France, a course taught entirely in Paris.

- 1390 History of Ideas I. (3-0) A course centering on selected aspects of culture, how these aspects contribute to people's understanding of themselves and their universe, and the relevance of these aspects to contemporary society. (WI)
- 2380 Contemporary Issues in Natural Science (3-0) A course that addresses current issues in the natural sciences, particularly those which have particular significance for today. (WI)
- 2390 History of Ideas II. (3-0) A course that explores the quest for an ideal society and the ideologies that quest has produced. (WI)
- 2391 History of Ideas III (3-0) A course that focuses upon intellectual and cultural developments in western history, which have particular significance for contemporary society. (WI)
- 3390 The Nature of Society (3-0) A course that probes some of the antecedents of modern society as reflected in the philosophy, art, science, and religions of the medieval and early modern era of Western Europe. (WI)
- 3391 The Nature of Modernity (3-0) A course which explores some of the philosophical and ethical problems in the realms of modern science, technology, urbanism, and social and cultural change. (WI)
- 3392 The Nature of the Human Experience I. (3-0) A course that explores some of the historical, philosophical, and cultural aspects of our relationship to each other and to our world. (WI)
- 3393 The Nature of the Human Experience II. (3-0) A course that focuses on some of the cultural, historical, technological, philosophical and ideological aspects of the modern world. (WI)

- 3394 The Nature of the Human Experience III. (3-0) A course that focuses on some of the cultural and philosophical developments in history, which have particular significance for contemporary society. (WI)
- 3395 The Nature of the Human Experience IV. (3-0) A course that focuses on some of the intellectual and cultural developments in the arts and sciences, which have particular significance for understanding today's world. Repeatable for credit with different emphasis. (WI)
- 3396 The Nature of the Human Experience V. (3-0) A course which addresses the economic, social, and cultural aspects of the modern world and the relationship to history. (WI)
- 3480 Contemporary Issues in Natural Sciences. (3-2) The course addresses current issues in the natural sciences, particularly those which have significance for today. This course includes a laboratory or fieldwork component. (WI)
- 4390A Senior Seminar: Thesis Development. (3-0) A course that provides the opportunity to focus on research and learn research techniques appropriate for an honors thesis. This course provides the foundation to develop a realistic project, find a supportive thesis supervisor, build a bibliography and outline, and complete the review of literature. (WI)
- 4390B Honors Thesis. (3-0) A course in which students pursue an independent project of research, study, or creative achievement that culminates in a paper, laboratory or field research problem, or creative project (play, book of poetry, artwork, etc.) of significant size and scope. Prerequisite: Students must meet with the Director of the University Honors Program for approval before enrollment. (WI)
- 4391 Honors Independent Study. (3-0) Individual study under direct supervision of a professor for Honors credit. May involve field trips. This course may be repeated for credit but a student may not exceed six hours of credit in Honors Independent Study. (WI)

HONORS CONTRACT COURSE

Designated with "Honors work included" on students' transcript upon completion, any regular Texas State course above the 2000 level can become an Honors Contract course with the concurrent approval of the student, faculty member, and Director of the University Honors Program. Students completing an Honors Contract course complete at least 15% work in addition to the requirements set forth in the course. (WI)

DEPARTMENTAL HONORS COURSE

Offered in a growing number of departments, the Departmental Honors Course will follow the set curriculum with additional depth in subject matter and will encourage more student independent research. Possible course modifications include independent projects, group projects, papers, fewer multiple-choice exams, and class size limited to 17 students. See course listings at <http://www.txstate.edu/honors/prospective/courses.html>.

MINOR IN HONORS STUDIES

A minor in Honors Studies requires 21 semester hours, of which 12 hours are advanced which includes HON 4390A and HON 4390B. Of the advanced courses, a maximum of 2 may be Honors Contract courses. A maximum of 3 honors courses may be counted to satisfy both General Education Core Curriculum requirements

and the minor. Students are required to demonstrate cross-cultural experience by completing a study abroad or other international experience. Students must complete an Honors Thesis in HON 4390B including presentation of their thesis in the Honors Thesis Forum and approval by the thesis supervising professor and the Director of University Honors.

Mathworks

Academic Services Building South 110

T: 512.245.3439 F: 512.245.1469

www.mathexplorer.math.txstate.edu

Mathworks, a center for innovation in mathematics and math education, designs and hosts programs for students from kindergarten to high school, conducts research on math curriculum, and provides training for teacher education students as well as current teachers. In addition, outreach programs provide Texas State students with classroom experience and mentoring by experienced teachers. Mathworks received the 2001 Star Award for Closing the Gaps from the Texas Higher Education Coordinating Board and the 2007 Siemens Founders Award.

Student Learning Assistance Center

Alkek Library 411

T: 512.245.2515 F: 512.245.3002

www.txstate.edu/slac

Texas State's Student Learning Assistance Center (SLAC) provides a wide range of academic support programs. Whether students are seeking help with course content, study skills, or test preparation, SLAC provides a variety of services including a walk-in tutoring lab, Supplemental Instruction, campus presentations, and online services.

The Learning Lab gives academic assistance in accounting; sciences such as physics, biology, and chemistry; English; statistics; computer information systems; history; philosophy; languages such as Spanish; and a number of math courses. The Lab also contains study materials, handouts, and computer-assisted instructional software on a wide range of topics and levels, from correcting comma splices to preparing for graduate school.

Students may also visit SLAC for assistance in preparing for the admissions tests for graduate (GRE), law (LSAT), and business (GMAT) colleges as well as local tests such as the School of Journalism and Mass Communication's Grammar, Spelling, and Punctuation (GSP) exam.

Supplemental Instruction, a nontraditional approach to collaborative learning, provides structured group study for students in historically difficult courses. Supplemental Instruction Leaders (SI's) act as role models and facilitate multiple study sessions per week in order to assist students, not only with course content, but also with the development of positive study skills and habits.

SLAC staff members also provide informational and interactive presentations on test-taking and anxiety management, learning styles, time management, note-taking, and other topics. Upon request, SLAC's staff will design specialized programs on study skills and academic improvement to fit the needs of a campus club, organization, or professor. In addition, SLAC works to facilitate the College Note-Taking session of PAWS Preview by showing incoming freshmen proper techniques and giving tips for successfully negotiating a college lecture.

SLAC also provides Texas State students with a number of online resources. By simply visiting www.txstate.edu/slac, students can access the Learning Lab's tutoring schedule and hours, times and locations of Supplemental Instruction sessions, information regarding becoming a lab tutor or SI Leader, content area handouts, and test preparation materials. SLAC also maintains an Online Writing Lab (OWL), providing tutoring in an electronic format accessible via email.

Athletic Academic Center

Harris Underground-TBD

T: 512.245.2978 F: 512.245.1736

www.txstatebobcats.collegesports.com/academics/txst-academics.html

The Athletic Academic Center (AAC), located on the lower level of Harris Dining Hall, provides services and resources that aid student-athletes in maintaining excellence both in the classroom and on the playing field. The AAC staff strives to ensure the fulfillment of all five components of the program: Academic Excellence, Athletic Excellence, Community Service, Career Development, and Personal Development.

The AAC, open six days a week, houses a computer lab, a learning lab, individual tutoring rooms, areas for both individual and group study, and offices for the AAC staff. The AAC is staffed by a director, associate director, two student development specialists and a graduate student who serve as liaisons between the Athletic Department, College Academic Advising Centers and academic departments, and the administrative units of the University. In coordination with the Assistant Athletic Director for Compliance, the AAC staff also monitors academic eligibility and ensures that all athletes are maintaining satisfactory progress toward their degrees.

Athletic Certification

Harris Underground-TBD

T: 512.245.8148 F: 512.245.6826

The Athletic Certification Office is responsible for obtaining, evaluating and documenting the academic credentials in accordance with National Collegiate Athletic Association (NCAA) and Southland Conference eligibility rules for approximately 400+ student-athletes. This office provides the official certification of eligibility documentation to the Texas State Department of Athletics.

Texas Success Initiative Program

Academic Services Building-North 101

T: 512.245.3942 F: 512.245.7648

www.txstate.edu/tsip

This office monitors the Texas Success Initiative (TSIP), a legislatively mandated program for certain college freshmen and transfer students, and is located within the University College. Additional information about this program and its requirements can be found in the Academic Policies section of this catalog.

Testing, Research-Support and Evaluation Center

Lower Commons Hall

T: 512.245.2276 F: 512.245.2903

www.txstate.edu/trec

The Testing, Research-Support and Evaluation Center (TREC) administers national, state and local academic testing programs, including the Credit by Examination program.

Among national tests available at Texas State are: the American College Test (ACT), a college entrance examination consisting of subtests in English, Mathematics, Reading and Science reasoning; and the Scholastic Aptitude Test (SAT), a college entrance examination measuring verbal and mathematical skills.

TREC is also a testing center for satisfying the Texas Success Initiative (TSI), which students must meet before enrolling in college-level coursework {see Texas Success Initiative Program (TSIP) in Academic Policies section}. Students may take COMPASS, AccuPlacer, or THEA (or QuickTHEA) in TREC's testing lab to satisfy the TSI requirements.

Students who do not achieve an SAT math score of at least 480 or an ACT math score of at least 21 may take the math portion of the COMPASS test to determine if they must first complete MATH 1300 (Pre-College Algebra) and/or MATH 1311 (Basic Mathematics) prior to enrolling in the appropriate required general education core curriculum math course. The COMPASS math may also offer optional placement into higher-level math courses.

The Credit-by-Examination program recognizes that many students may have attained college-level proficiency in academic subjects independent of the college environment. Credit-by-Examination satisfies degree requirements in the same way credit earned by passing courses does except that:

1. It does not count as credit earned in residence; and
2. Credit established in this manner through TREC will be recorded as "credit only" ("CR") on the transcript and will not affect the GPA

Students who pass a test considered by the relevant academic department at Texas State to indicate sufficient knowledge of the course material can earn credit for certain courses without enrolling in them. The following options are available:

1. The College Board's Advanced Placement Examination Program (APP),
2. College Level Examination Program (CLEP)
3. International Baccalaureate (IB) Program, and
4. Departmental examinations, where available.

Note that evidence of credit established by any of these means must be processed by the TREC before it can be entered on the transcript. More detailed materials on this and other TREC programs are available at the TREC office. TREC is an open center for CLEP, COMPASS, and AccuPlacer testing and will test all examinees regardless of enrollment status.

College of Applied Arts

DEAN

T. Jaime Chahin, Ph.D.
T: 512.245.3333 F: 512.245.3338
Agriculture Building 300
www.appliedarts.txstate.edu

ACADEMIC ADVISING CENTER

Agriculture Building 201
T: 512.245.1490 F: 512.245.3338
www.advising.appliedarts.txstate.edu

DEPARTMENT CHAIRS/PROGRAM DIRECTORS

Aerospace Studies—Lt. Col. James Gray, M.S.
Agriculture—C. Reed Richardson, Ph.D.
Criminal Justice—Quint Thurman, Ph.D.
Family and Consumer Sciences—Maria E. Canabal, Ph.D.
Military Science—Lt. Col. Michael G. Elliot, M.S.
Occupational Education—Stephen Springer, Ed.D.
Social Work—Dorinda Noble, Ph.D.

The College of Applied Arts' mission is to prepare undergraduate and graduate students for careers through programs of high quality in academic, professional, and technical areas; to further faculty excellence in teaching supported by quality scholarship; and to enhance our involvement with local, state, national, and international constituencies.

The College of Applied Arts offers five undergraduate degrees: (a) Bachelor of Science in Agriculture; (b) Bachelor of Science in Criminal Justice; (c) Bachelor of Science in Family and Consumer Sciences; (d) Bachelor of Applied Arts and Sciences; and (e) Bachelor of Social Work. In addition, the Departments of Aerospace Studies and Military Science prepare students for commissioning in the United States Air Force, United States Army, United States Army Reserves, or Army National Guard.

Twenty-two undergraduate majors (several with specialized options) are offered by three departments, one school and one program within the College:

Agriculture: animal science, general agriculture with or without teacher certification, agricultural business and management with specializations in agribusiness management, agricultural systems management, and horticultural business.

Criminal Justice: law enforcement, corrections, criminal justice.

Family and Consumer Sciences: family and consumer sciences (with consumer science option and teacher certification option), family and child development (with teacher certification option),



fashion merchandising, interior design, nutrition and foods (with teacher certification option).

Occupational Education Program: applied arts and sciences. (Individualized degree program that offers adults the opportunity to receive college credit for previous competencies acquired in the workplace as well as select a new career path or supplement skills in current path.)

School of Social Work (BSW): Education for beginning generalist in social work practices. Designed to give you a well-rounded perspective on efforts to enhance human well-being and productivity, help alleviate poverty and strengthen social justice.

Several of the College's programs have externship-type courses. These courses provide opportunities for students to further their education in an environment external to Texas State. These courses have minimum entrance requirements including good academic standing at the time of the internship. More specific course requirements are available from the department of your major.

Credit by exam, CLEP, DANTES and other similar proficiency examinations satisfy degree requirements in the same way as credit earned by passing courses except that they do not count as credit earned in residence.

No more than six (6) semester credit hours of major courses beyond those that apply toward the major will count for credit toward graduation. Hours of major work beyond the six (6) semester credit hours will be treated as non-credit. These hours, however, will be a part of the cumulative Texas State GPA if they have been taken at Texas State.

ACADEMIC ADVISING CENTER

The mission of the College of Applied Arts Academic Advising Center is to provide accurate and timely advice to prospective and current students regarding their progress toward completion of undergraduate degree programs administered by the college. Services include preparation of degree audits, assistance with degree planning, scheduling of classes, counseling for probation and suspension, evaluation of transfer work, and application for graduation. Please contact the Advising Center staff to schedule an appointment for advising.

Department of Aerospace Studies

AIR FORCE RESERVE OFFICER TRAINING CORPS DETACHMENT 840

Derrick Hall 301
T: 512.245.2182 F: 512.245.7474
www.txstate.edu/afrotc

MINOR OFFERED Aerospace Studies

The Air Force Reserve Officer Training Corps (AFROTC) Program at Texas State develops skills and attitudes vital to professional Air Force Officers. The purpose of the program is to commission qualified students who wish to serve in the United States Air Force. Two routes are available in AFROTC at Texas State. Entering students may either enroll in the four-year program or apply for the two-year program.

For the four-year program, students may register in the same manner as for other college courses. During the freshman and sophomore years of the program, students enroll in the General Military Course (GMC). Membership in the GMC does not confer any military status or commitment upon the cadet. After completion of the GMC, students compete for entry into the Professional Officer Course (POC), which is outlined below and normally is taken during the last two years of college.

The POC is designed to provide greater flexibility to meet the needs of students desiring a commission in the Air Force. The basic requirement is that the student has two full-time academic years remaining at either the undergraduate or graduate level to meet the minimum requirement of four semesters of POC academics and Leadership Laboratory. Students interested in the two-year program should begin the application process well in advance of the term in which they plan to enter the program. Students may apply in writing or in person by visiting the Department of Aerospace Studies.

Selection for the POC is highly competitive. Criteria used to assess qualifications of applicants are the Air Force Officer Qualification Test (testing material and information is available through AFROTC), cumulative GPA, physical fitness test, and the recommendation of the Professor of Aerospace Studies. Before formal induction into the POC, applicants must complete a summer Field Training encampment paid for and conducted annually by the Air Force at various Air Force Installations. Students in the four-year program attend a four-week encampment, and students in the two-year program attend a six-week encampment. Upon completion of the six-week summer Field Training, two-year cadets will receive academic credit for AS 1110, 1120, 2110, and 2120.

Both GMC and POC members must attend a weekly two-hour laboratory each semester. The laboratory provides cadets an environment to develop, learn and practice Air Force leadership skills.

Students interested in learning more about AFROTC may visit <http://www.afrotc.com> or contact the Department of Aerospace Studies and Detachment 840.

Students may compete for a variety of scholarships. Qualified students may apply during the fall or spring semester for a scholarship that covers the remaining years in the program. The scholarships provide full tuition, laboratory and incidental fees, and an allowance for books. In addition, scholarship students, based on their classification, may receive up to \$500.00 per month tax-free subsistence. Students may obtain complete scholarship information at the department.

Pursuant to Texas Education Code §51.302, up to three semester hours of credit in an upper-level ROTC course may be applied to the core curriculum history requirement (HIST 1310 or 1320) and up to three hours to the core curriculum government requirement (POSI 2320 only).

MINOR IN AEROSPACE STUDIES

A minor in Aerospace Studies requires 19 hours, including AS 1110, 1120, 2110, 2120, 3311, 3312, 4311, 4312 and 3 hours of MATH.

Courses in Aerospace Studies (A S)

- 1000 Leadership Laboratory. (0-2) An integral and mandatory two-hour lab accomplished concurrently with all Aerospace Studies courses. It is a progression of practical command and staff experiences that develop leadership potential. AFROTC cadets plan, organize, direct, coordinate, and control all activities. The lab is repeatable without credit because it focuses on different leadership processes.
- 1110 The Air Force Today I. (1-0) A study of the doctrine, mission, and organization of the United States Air Force; United States strategic offensive and defensive forces, their missions and functions; and employment of nuclear weapons. Co-requisite: A S 1000.
- 1120 The Air Force Today II. (1-0) An introduction to flight, oral and written communication for the Air Force officer, Air Force installations, the Air Force profession and how the Air Force integrates with the U.S. Army, Navy, Marines, and Coast Guard. Co-requisite: A S 1000.
- 2110 The Development of Air Power I. (1-0) A historical study of the development of air and space power beginning before the first powered flights through WWI, the inter-war years, and WWII, tracing the development of various air power concepts with a focus on factors prompting aerospace research and technological change. Co-requisite: A S 1000.
- 2120 The Development of Air Power II. (1-0) A continuation of A S 2110 studying the historical development of air and space power from Vietnam to the present. Events and trends in the history of airpower are examined, emphasizing examples of the impact of air and space power on strategic thought. Co-requisite: A S 1000.
- 3311 Leadership and Management I. (3-0) A study of the framework of leadership in the Air Force (AF), part 1. Practical case studies examine AF leadership and management situations and discipline and ethics scenarios that demonstrate

applications of the concepts. The course emphasizes communication skills used by officers in the AF. Co-requisite: A S 1000.

- 3312 Leadership and Management II. (3-0) A study of the framework of leadership in the Air Force (AF), part 2. Practical case studies examine AF leadership and management situations and discipline and ethics scenarios that demonstrate applications of the concepts. The course emphasizes communication skills used by officers in the AF. Co-requisite: A S 1000.
- 4311 National Security Forces in Contemporary American Society I. (3-0) Part 1 of the study of professional Air Force (AF) officers in a democratic society; societal attitudes toward the armed forces; national defense structure, policy development; and military law. AFROTC cadets study topics that prepare them for duty as AF officers. The course emphasizes AF communication skills. Co-requisite: A S 1000.
- 4312 National Security Forces in Contemporary American Society II. (3-0) Part 2 of the study of professional Air Force (AF) officers in a democratic society; societal attitudes toward the armed forces; national defense structure, policy development; and military law. AFROTC cadets study topics that prepare them for duty as AF officers. The course emphasizes AF communication skills. Co-requisite: A S 1000.

Department of Agriculture

Agriculture Building 206
T: 512.245.2130 F: 512.245.3320
www.ag.txstate.edu

DEGREE PROGRAMS OFFERED

BSAG, major in Agriculture
BSAG, major in Agriculture-(Teacher Certification)
BSAG, major in Agriculture-Animal Science
BSAG, major in Agriculture-Business and Management
(Agribusiness Management Specialization)
BSAG, major in Agriculture-Business and Management
(Agricultural Systems Management Specialization)
BSAG, major in Agriculture-Business and Management
(Horticultural Business Specialization)

MINORS OFFERED

Agriculture
Animal Science
Horticulture
Plant and Soil Science

Agriculture majors have a choice of four different degree tracks: Agriculture, Agriculture-Teacher Certification, Agriculture-Animal Science, and Agriculture-Business and Management. The Department of Agriculture offers programs reflecting the diversity of choices available and skills required in modern agriculture and its related professions. This dynamic, global industry uses new technologies to improve the production, management, manufacture, and distribution of food and agricultural products.

Major in Agriculture

Agriculture majors are provided a broad exposure to agriculture. With this curriculum, students may expect to manage a ranch or a farm, or work in any career that requires a general agriculture education such as county extension agents, banking or government service.

Major in Agriculture with Teacher Certification

A comprehensive educational program concerned with the broad field of agriculture. Emphasis in the major is on production techniques, managerial skills and competencies necessary to function as agricultural scientists, educators, or agricultural managers in today's complex agricultural industry. Agricultural science teachers are certified to teach in grades nine through twelve in the public schools of Texas.

Major in Agriculture-Animal Science

The study of all aspects of the livestock and poultry industries including commercial production and management; food processing; and animal feed/animal health including nutrition, biotechnology and veterinary medicine. Involvement of students in ongoing faculty research prepares graduates for careers in research and industry; and for further education in professional or graduate schools.

Major in Agriculture-Business and Management

This major reaches far beyond the farm to encompass the activities involved in bringing food and fiber to consumers. Students may pursue three specializations with this major: Agribusiness Management, Agricultural Systems Management, or Horticultural Business.

Major in Agribusiness Management

In this specialization students learn about the acquisition and use of capital, the working of the marketplace, financial institutions, and the effect of government policies on agriculture. Therefore, the Agribusiness Management specialization includes courses in agricultural finance, marketing and policies dealing with resource use as well as courses in technical agriculture and general education.

Major in Agricultural Systems Management

This specialization integrates and applies engineering technology, agricultural sciences, and business. It prepares graduates for careers in technical fields and engineering such as agricultural machinery and power systems, electrical energy systems including sensors and controls, agricultural structures, surveying, and environmental systems including water utilization and quality. Students are involved with ongoing research, farm power and machinery, and precision farming and global positioning systems. Graduates are expected to assume positions of leadership and responsibility in careers such as product testing and service management, agricultural sales and services, and agricultural production systems.

Major in Horticultural Business

This specialization teaches management of commercial establishments and institutions that produce ornamental plants such as greenhouses and nurseries, floral shops and plant therapy businesses. The major also contains specialized courses in horticulture that utilize rooftop greenhouses at the Agriculture Building and the laboratory facilities at the 17-acre Horticulture Center near campus.

Pre-Professional Program in Pre-Veterinary Science

The department supervises the Pre-Veterinary Science program, which provides two years of specialized course work for students planning to enter veterinary school. Specific course requirements and additional information are listed in the Degrees and Programs section of this catalog.

Internship

Students are encouraged to apply for internships and enroll in AG 4310 after their junior year. The department will assist students in securing internships in agriculturally related businesses or agencies. For specific information about internships, contact the Department Chair.

Special Requirements

1. Students cannot enroll in upper-level (3000 or 4000) agriculture courses until they have successfully completed MATH 1315 or 1319 and CHEM 1341, 1141.
2. AG 1110, AG 2373, and AG 2390 must be successfully completed in the first 45 college credit hours at Texas State.

Bachelor of Science in Agriculture Major in Agriculture Minimum required: 120 semester hours							
Note: If two years of the same foreign language were taken in high school, then enough additional hours to total the minimum 120 hours required for the degree will fulfill this requirement. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
AG 1110	1	AG 2313 or 2379	3	AG 3310	3	AG 3317 or 3318	3
AG 1445	4	AG 2373	3	AG 3426	4	AG 3319	3
AG 2390	3	AG 2374	3	AG 3427	4	AG 3353 or 4361	3
BIO 1430	4	AG 2383	3	AG Electives*	12	AG 4310	3
MATH 1315 or 1319	3	ENG 3303	3	HIST 1320	3	AG 4325	3
COMM 1310	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	POSI 2320	3	AG 4326	3
ENG 1310, 1320	6	CHEM 1341, 1141	4			AG Electives **	6
US 1100	1	PHIL 1305 or 1320	3			AG 4307 (Capstone Course)	3
HIST 1310	3	ANTH 1312, GEO 1310, PSY 1300 or SOCI 1310	3				
POSI 2310	3	ART, DAN, MU, or TH 2313	3				
PFW, two courses	2						
Total	33	Total	31-32	Total	29	Total	27

* Select 12 hrs from the following: AG 2345, AG 2367, AG 3301, AG 3302, AG 3303, AG 3304, AG 3305, AG 3306, AG 3308, AG 3314, AG 3325, AG 3330, AG 3331, AG 3345, AG 4328. AG 4330,

** Select 6 hours from the following: AG 3321, AG 3329, AG 3351, AG 3352, AG 3455, AG 4185 (3 hour maximum), AG 4300, AG 4302, AG 4304, AG 4305, AG 4381, AG 4383

**Bachelor of Science in Agriculture
Major in Agriculture
(with Teacher Certification)
Minimum required: 120 semester hours**

Note: If two years of the same foreign language were taken in high school, then enough additional hours to total the minimum 120 hours required for the degree will fulfill this requirement. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
AG 1110	1	AG 2313 or 2379	3	AG 3426	4	AG 3345	3
AG 1445	4	AG 2373	3	AG 3319	3	AG 4185 (taken two times)	2
AG 2390	3	AG 2383	3	AG 3317 or 3318	3	AG 4343	3
BIO 1430	4	AG 2374	3	AG 4325	3	AG 4212	2
MATH 1315 or 1319	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	CATE 3313D or AG 2310	3	AG 4307	3
COMM 1310	3	CHEM 1341, 1141	4	AG 3310, 3353, or 4361	3	AG 4311	3
ENG 1310, 1320	6	PHIL 1305 or 1320	3	CI 4332	3	AG 4681	6
US 1100	1	ANTH 1312, GEO 1310, PSY 1300 or SOCI 1310	3	HIST 1320	3	RDG 3323	3
HIST 1310	3	ART, DAN, MU, or TH 2313	3	POSI 2320	3	CI 4370	3
POSI 2310	3					FCD 3394	3
PFW, two courses	2						
Total	33	Total	28	Total	28	Total	31

**Bachelor of Science in Agriculture
Major in Agriculture-Animal Science
Minimum required: 120 semester hours**

Note: If two years of the same foreign language were taken in high school, then enough additional hours to total the minimum 120 hours required for the degree will fulfill this requirement. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
AG 1445	4	AG 2383	3	AG 3301	3	AG 3319	3
AG 2390	3	BIO 1431	4	AG 3314	3	AG 3331	3
AG 1110	1	CHEM 1342, 1142	4	AG 3321	3	AG 4325	3
BIO 1430	4	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	AG 3325	3	AG 4326	3
MATH 1315 or 1319	3	CHEM 1341, 1141	4	AG Electives*	5	AG Electives**	9
COMM 1310	3	PHIL 1305 or 1320	3	CHEM 2330 or 2341	3	AG 4307 (Capstone Course)	3
ENG 1310, 1320	6	ANTH 1312, GEO 1310, PSY 1300 or SOCI 1310	3	ENG 3303	3	BIO 2400 or 4423	4
US 1100	1	AG 3352	3	HIST 1320	3		
HIST 1310	3	ART, DAN, MU, or TH 2313	3	POSI 2320	3		
POSI 2310	3						
PFW, two courses	2						
Total	33	Total	30	Total	29	Total	28

* Select 5 hrs from the following: AG 2373, AG 2367, AG 3426, AG 3351, AG 4185 (3 hour maximum).

** Select 9 hrs from the following: AG 2345, AG 3330, AG 3345, AG 4328, AG 4310, AG 4330

Bachelor of Science in Agriculture
Major in Agriculture-Business and Management
(Agribusiness Management Specialization)
Minimum required: 120 semester hours

Note: If two years of the same foreign language were taken in high school, then enough additional hours to total the minimum 120 hours required for the degree will fulfill this requirement. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
AG 1110	1	AG 2313 or 2379	3	ACC 2362	3	AG 3317 or 3318	3
AG 1445	4	AG 2373	3	AG 3351	3	AG 3319	3
AG 2390	3	AG 2383	3	AG 3352	3	AG 3353 or 3375	3
BIO 1430	4	AG 2361	3	AG 3426	4	AG 4380	3
MATH 1315 or 1319	3	ENG 3303	3	ECO 2315	3	AG 4381	3
COMM 1310	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	ECO 3314	3	AG 4383	3
ENG 1310, 1320	6	CHEM 1341, 1141	4	HIST 1320	3	AG 4307 (Capstone Course)	3
US 1100	1	PHIL 1305 or 1320	3	POSI 2320	3	Electives*	4
HIST 1310	3	ANTH 1312, GEO 1310, PSY 1300 or SOCI 1310	3	Electives*	3		
POSI 2310	3	MATH 1329 or MATH 2321 or MATH 2417	3-4				
PFW, two courses	2	ART, DAN, MU, or TH 2313	3				
Total	33	Total	34-35	Total	28	Total	25

* Select 7 hrs from the following: AG 3301, AG 3302, AG 3303, AG 3304, AG 3305, AG 3306, AG 3308, AG 3310, AG 3314, AG 3321, AG 3325, AG 3329, AG 3331, AG 3345, AG 3427, AG 3455, AG 4185 (3 hour maximum), AG 4300, AG 4302, AG 4304, AG 4305, AG 4306, AG 4310, AG 4325, AG 4326, AG 4328, AG 4330, AG 4361, BLAW 3363

Bachelor of Science in Agriculture
Major in Agriculture-Business and Management
(Agricultural Systems Management Specialization)
Minimum required: 120 semester hours

Note: If two years of the same foreign language were taken in high school, then enough additional hours to total the minimum 120 hours required for the degree will fulfill this requirement. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
AG 1110	1	AG 2313 or 2379	3	ACC 2361	3	AG 3317 or 3318	3
AG 1445	4	AG 2373	3	AG 2374	3	AG 3319	3
AG 2390	3	AG 2383	3	AG 3310	3	AG 3353 or 3375	3
BIO 1430 or PHYS 1410	4	PHYS 1420	4	AG 3351	3	AG 3455	4
MATH 1315 or 1319	3	ENG 3303	3	AG 3352	3	AG 4361	3
COMM 1310	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	AG 3426	4	AG 4380	3
ENG 1310, 1320	6	CHEM 1341, 1141	4	HIST 1320	3	AG Electives*	5
US 1100	1	PHIL 1305 or 1320	3	POSI 2320	3	AG 4307 (Capstone Course)	3
HIST 1310	3	ANTH 1312, GEO 1310, PSY 1300 or SOCI 1310	3				
POSI 2310	3	MATH 1329 or 2321 or 2417	3-4				
PFW, two courses	2	ART, DAN, MU, or TH 2313	3				
Total	33	Total	35-36	Total	25	Total	27

* Select 5 hrs from the following: AG 3301, AG 3302, AG 3303, AG 3304, AG 3305, AG 3306, AG 3308, AG 3314, AG 3321, AG 3325, AG 3329, AG 3331, AG 3345, AG 3427, AG 4185 (3 hour maximum), AG 4304, AG 4305, AG 4306, AG 4310, AG 4325, AG 4326, AG 4328, AG 4330, AG 4371A, AG 4371B, AG 4371C, AG 4371D, AG 4381, AG 4383

**Bachelor of Science in Agriculture
Major in Agriculture-Business and Management
(Horticultural Business Specialization)
Minimum required: 120 semester hours**

Note: If two years of the same foreign language were taken in high school, then enough additional hours to total the minimum 120 hours required for the degree will fulfill this requirement. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
AG 1110	1	AG 2313 or 2379	3	AG 3305	3	AG 3302	3
AG 2390	3	AG 2373	3	AG 3306	3	AG 3311 or AG 3427	3-4
BIO 1430	4	AG 2383	3	AG 3329	3	AG 3317 or AG 3318	3
MATH 1315 or 1319	3	ACC 2361	3	AG 3351	3	AG 3308	4
COMM 1310	3	AG 3304	3	AG 3352	3	AG 4380	3
ENG 1310, 1320	6	ENG 3303	3	AG 3426	4	AG 4307 (Capstone Course)	3
US 1100	1	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	AG Electives*	4	AG 3319	3
HIST 1310	3	CHEM 1341, 1141	4	HIST 1320	3	AG Electives*	7
POSI 2310	3	PHIL 1305 or 1320	3	POSI 2320	3		
PFW, two courses	2	ANTH 1312, GEO 1310, PSY 1300 or SOCI 1310	3				
		ART, DAN, MU, or TH 2313	3				
Total	29	Total	34	Total	29	Total	28-29

* Select 11 hrs from the following: AG 3301, AG 3303, AG 4300, AG 3310, AG 3314, AG 3321, AG 3353, AG 3455, AG 4185 (3 hour maximum), AG 4302, AG 4304, AG 4305, AG 4306, AG 4310, AG 4361, AG 4371, AG 4381, AG 4383.

Minor in Agriculture

A minor in Agriculture requires 19 hours, which includes AG 1445, AG 2313, AG 2373, and 9 hours of advanced AG classes. A minor in agriculture is ideal for someone majoring in the life sciences, family and consumer sciences, or in any discipline where knowledge of the food and fiber industry would be beneficial. *Agriculture majors may not select a minor in Agriculture due to course duplication.

Minor in Animal Science

A minor in Animal Science requires 19 hours, which includes AG 1445, AG 3325, AG 3331, and 9 hours selected from AG 3301, AG 3314, AG 3321, AG 4326, or AG 4330.

Minor in Horticulture

A minor in Horticulture requires 18 hours, which includes AG 2379, AG 3304, AG 3305, and 9 hours selected from AG 3306, AG 3455, AG 4300, or AG 4302.

Minor in Plant and Soil Science

A minor in Plant and Soil Science requires 20 hours, which includes AG 2313, AG 2421, AG 3426, and 9 hours selected from AG 3301, AG 3321, AG 3427, or AG 3455.

Second Teaching Field in Agriculture

A second teaching field in Agriculture requires 29-30 hours, which include AG 2373, AG 2374, AG 2383, AG 3310 or AG 3353 or AG 4361, AG 3345, AG 4325, AG 4343, AG 2313 or AG 2379, AG 2421 or AG 3305 or AG 3306 or AG 3426, and AG 4212. Students seeking teacher certification in Agriculture must maintain a Texas State GPA of 2.50 in all agriculture and education courses with no grade lower than a "C".

Courses in Agriculture (AG)

- 1110 Careers in Agri-Business and Industry. (1-0) Career information and opportunities in the Agricultural World of Work will be emphasized. Qualifications and employment opportunities will be stressed.
- 1445 (AGRI 1419) Basic Animal Science. (3-2) An introductory course designed to acquaint students with the importance of the livestock industry. A study of the types and breeds; market classes and grades of beef cattle, swine, sheep, goats, horses, and poultry; attention will be given to breeding, judging, care, and management. Prerequisite or co-requisite: AG 2390 or equivalent.
- 2215 Introduction to Equine Care and Use. (2-0) Review of history and evolution of the equid; uses and identification of horses/breeds; anatomy and physiology of horses; gaits of horses; responsibilities of horse owners with respect to liability and insurance, nutrition and feeding, health care, facilities and breeding; overview of careers in the equine industry.
- 2310 Applied Leadership Principles. (2-2) Preparation for professional leadership and service, with emphasis on application of leadership principles. The course will focus on guiding students in developing enhanced leadership skills through group and individual leadership enhancement projects and topic research. Prerequisites: AG 1110.
- 2313 (AGRI 1307) Agronomic Crops. (2-2) A study of the production, harvest practices, storage, and use of cereal and feed grains, fiber crops, forages, and other related crops requiring special technology.
- 2345 Horse Management. (2-2) A course designed as a broad but thorough coverage of most areas of horse husbandry and production, including anatomy, physiology, breeding, feeding, training, and health care. Laboratory sessions are

- designed to acquaint the student with modern methods of breeding, training, and care of the horse.
- 2367 Animal Ultrasonography. (2-2) A study of current developments and utilization of animal ultrasonography technology in agriculture. Hands-on training in animal growth and development, animal breeding, animal handling and management, animal reproduction, computer technology and data interpretation.
- 2373 (AGRI 2303) Introduction to Agricultural Engineering. (2-2) An introductory course designed to acquaint students with a wide range of concepts, principles and applied technologies in agricultural engineering. A problem solving course.
- 2374 Metals and Welding Processes for Agriculture. (2-2) Principles and practices of applied metallurgy and welding. The course emphasizes the management of the technologies and techniques associated with oxy-fuel welding and cutting. Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW), and Plasma Arc Cutting (PAC).
- 2379 (AGRI 1315; HORT 1301) General Horticulture. (2-2) A survey of the general field of horticulture including general areas of employment.
- 2383 (AGRI 2317) Introduction to Agricultural Economics. (3-0) The role of agriculture in the general economy; the study of basic economic concepts with their application to the agricultural firm; the structure and operation of the marketing system; the functional and institutional aspects of agricultural finance; international trade; and government farm programs.
- 2390 (AGRI 1309) Computer Applications in Agriculture. (2-2) Introduction to computers and computer technology; operation and application of the computer in production agriculture and agricultural business, services and industries. Includes characteristics of computer hardware and software, accessing and using the computer in agriculture.
- 2421 Range Forage and Pasture Crops. (3-2) Production, utilization and management of major range and forage plants in production systems that will meet the nutritional needs of both wild and domestic animals on a sustained basis. Prerequisite: AG 1445.
- 3301 Genetics of Livestock and Plant Improvement. (3-0) Fundamental principles of genetics and their application to higher plants and animals. The physical basis of Mendelian inheritance, expression and interaction of genes, gene frequency, linkage, sex linkage, inbreeding, line breeding, and crossbreeding as applied to selection indices for livestock and plants. Prerequisites: AG 1445; BIO 1430. (WI)
- 3302 Herbaceous Plant Materials. (2-2) This course will include the identification, selection, use, and management of annuals, perennials, herbs, and ornamental grasses in the landscape. Each student will learn irrigation, fertilization, pruning, and other cultural needs of such plants. The laboratory will complement lecture.
- 3303 Turf Management. (2-2) Comparisons of turf grass for their landscape and recreational uses. Growth characteristics, methods of propagation, and basic management requirements, including control of important pest problems, are covered.
- 3304 Propagation of Horticultural Plants. (2-2) Principles and practices of propagating ornamental plants, vegetables, and fruits by sexual and asexual methods including germination of seed, layerage, graftage, division, cuttage, bulbs, corms, and other vegetative plant structures. Study of physical, physiological and environmental factors affecting propagation of ornamental plants.
- 3305 Woody Plant Materials for Outdoor Landscapes. (2-2) Study of woody plant material including fruit and ornamental trees, shrubs, and ground covers and their identification, nomenclature, and use in the planting and development of home landscapes.
- 3306 Flowers and Plants for Interior Design. (2-2) Study of flowers, cut flowers, foliage and blooming pot plants to enhance the interior design of homes and businesses including their identification, cultural requirements, uses, diagnoses and corrective measures of disorders. Basic principles of flower arrangement and the preparation of floral and plant decoration as used in interior design. (WI)
- 3308 Organic Gardening. (3-0) Study of principles and practices that involve the production of vegetables by organic methods. Fertility and irrigation; as well as weed, insect and disease control by practices will be covered.
- 3310 Internal Combustion Engines. (2-2) To include principles of 2-stroke and 4-stroke cycle engines, ignition and combustion types including injection systems. Components including power and power transmissions and hydraulic systems will be addressed. Prerequisites: MATH 1315 and AG 2373.
- 3311 Agricultural Practices and Pollution Control. (2-2) Principles and practices of applied physical, chemical, and biological control of air, soil, and water pollution arising from production and processing of agricultural products. Prerequisites: CHEM 1341 and 1141, MATH 1315, AG 2373 and 2390.
- 3314 Animal Health and Disease Control. (3-0) A course designed to enable the animal science student to understand basic veterinary principles as applied to prevention of disease in domestic livestock. Common diseases of livestock are considered, with emphasis on sanitation and modern preventative methods concerned with keeping livestock healthy. Prerequisite: AG 1445.
- 3317 Farm Management. (2-2) Tools and techniques which are basic to the study of farm organization and decision making, the wise allocation of factors of production, the keeping of records, and income tax management. Prerequisites: AG 2383, AG 2390; MATH 1315 or MATH 1319.
- 3318 Agricultural Business Management. (3-0) Introduction to the institutions and functions in agribusiness. The institutional structure of the agribusiness sector such as the feed, farm machinery and equipment, farm chemicals, financial institutions and private and public agri-services will be delineated. The second part of the course will introduce and develop the various functions such as organizational behavior, financial management, market management and human resource management. Prerequisites: AG 2383, AG 2390; MATH 1315 or MATH 1319.
- 3319 International Food and Fiber Systems. (3-0) Presents the food and fiber system from an international Component. Analysis of food production and consumption patterns under different world economic systems, causes of surpluses

- and shortages throughout the world; the role of trade in solving food and agricultural problems. Outlook and situation for food and fiber is discussed for both developed and developing nations, and impact of U.S. food policy on world trade flows is presented. (MC)
- 3321 Range Management. (3-0) Practical problems met in managing native pastures and rangelands. Attention to determining range condition and proper stocking rates, methods of handling livestock on the range, range reseeding, brush control, and poisonous plants. The ecological and physiological response of range vegetation to grazing. Prerequisite: AG 1445.
- 3325 Animal Nutrition. (3-0) Principles of animal nutrition with emphasis on digestion, absorption, metabolism, and function of nutrients; estimation of feedstuff nutritive value; and requirements of animals. Prerequisites: CHEM 1341/1141; BIO 1430, 1431. (WI)
- 3329 Economic Entomology. (3-0) A study of the most common insects of field crops, fruits, and vegetables; life history, methods of attack, damage, and means of preventing and controlling. Collection and mounts of insects will be made.
- 3330 Applied Wildlife Nutrition. (1-4) Basic and fundamental principles of nutrition for ruminant and non-ruminant wildlife with emphasis in North American and African wildlife. Attention will be given to digestive physiology and anatomy, feed sources, forage resources, and nutrient requirements. Prerequisite: AG 1445 or BIO 1431.
- 3331 Reproduction in Farm Animals. (2-2) An examination of the anatomy and physiology of reproductive systems of livestock of economic importance. Attention is given to reproductive failure and disease. The laboratory includes pregnancy testing, semen collection and evaluation, artificial insemination techniques, and evaluation of breeding records. Prerequisites: AG 1445 and 3301, or BIO 2450.
- 3345 Livestock Selection and Evaluation. (2-2) Detailed consideration of the factors involved in the selection and evaluation of beef cattle, sheep, swine, rabbits, goats, and chickens. Emphasis will be placed on the care, grooming and exhibition of livestock projects. Prerequisite: AG 1445; junior classification.
- 3351 Agricultural Marketing and Sales. (3-0) A study of the food marketing system and farm input sales; includes the functional systems approach that integrates the agricultural input industries into a discussion of food marketing; takes a micro approach to the development of marketing management skills needed in agribusiness; and provides a critical outlook on issues ranging from inputs to final food products. Prerequisites: AG 2383; MATH 1315 or MATH 1319. (WI)
- 3352 Quantitative Methods in Agricultural Economics. (3-0) Principles involved in collection, tabulating and analyzing agricultural data. Topics include sampling procedures, questionnaire development, descriptive analysis of data, correlation, prediction and forecasting and tests of significance. Simple computer programs will be stressed for class exercises during the course. Prerequisites: AG 2383, AG 2390; MATH 1315 or MATH 1319.
- 3353 Agricultural Structures and Environment. (2-2) Principles and practices associated with structural components, selection, materials of construction, heat and moisture control, and the environmental issues of waste management systems; a problem solving course. Prerequisites: MATH 1315, AG 2373 and 2390. Recommended: TECH 1413 and 2310.
- 3375 Agricultural Machines and Equipment. (2-2) The optimization of the equipment phases of agricultural production and processing. Emphasis will be placed on management and decision-making principles concerned with the efficient selection, operation, repair, maintenance, and replacement of machinery and equipment. Prerequisites: CHEM 1341 and 1141, MATH 1315, AG 2390
- 3426 Soil Science I. (3-2) The fundamental principles of soil science to acquaint the student with some physical, chemical, and biological properties of the soil. Prerequisite: CHEM 1341 and 1141.
- 3427 Soil Science II. (3-2) Management of soils as pertaining to their place in the environment. Special emphasis will be given to the role of soil in conventional agricultural systems, natural resource systems, waste management systems, and reclaimed and artificial soil systems. Prerequisite: AG 3426. (WI)
- 3455 Land Surveying. (2-4) Engineering practices used in plane and geodetic surveying including differential and profile leveling, topographic, land, boundary and cadastral, and construction surveys. Laboratory exercises include use of dumpy levels, transits and total stations, and GPS (Global Positioning System) total station with RTK (real time kinematic). Planimeters and stereoscopes are used in analyzing aerial maps. Prerequisites: MATH 1315 or 1317 or 1319, AG 2373, AG 2390.
- 4185 Current Problems in Technical Agriculture. (1-0) A course for advanced undergraduates to study subject matter of special interest in agriculture. Problems in agronomy, economics, animal science, plant science, and farm mechanics may be selected. Prerequisite: Approval by department chair. May be repeated for up to three semester hours credit. Course may not be taken for graduate credit. (WI)
- 4212 Program Building. (2-0) This course will focus on program and curriculum development in agricultural education settings. Primary course elements will include determining program and curriculum goals and objectives, implementing the program, and curriculum evaluation.
- 4300 Greenhouse and Nursery Management. (2-2) Planning greenhouses for commercial and home use; plant-nursery layouts. Study of the physical and economic factors affecting the production of plants in the greenhouse and other forcing structures, and in the field; management techniques used in the production and marketing of greenhouse and nursery plants. (WI)
- 4302 Fruit and Vegetable Crop Production. (2-2) Factors influencing small-fruit and tree-fruit and vegetable crop production in the field including root stocks, varieties, soil, planting, transplanting, irrigating, fertilizing, pruning, insects, diseases, nematodes, weeds, chemicals, harvesting, storing, and marketing; greenhouse production of certain vegetables. (WI)
- 4304 Landscape Management. (2-2) To acquaint students with the practices and techniques used in professional landscape construction and management, and with the scientific and technical basis for such practices.
- 4305 Landscape Design. (2-2) Landscaping combines elements of art and science to create functional, aesthetically pleasing outdoor space. This class helps students develop knowledge

- of design elements and principles. Students learn site and client analysis techniques for critiquing landscapes. Students learn to communicate ideas through the planning and drawing of landscape plans.
- 4306 Advanced Landscape Design and Construction. (2-2) Students will become more adept at using computer applications for designing small commercial and residential landscapes. Students will also learn to apply landscape designs to installation and construction techniques. Prerequisite: AG 4305.
- 4307 Professional Development in Agriculture. (3-0) This course requires students to select a topic of current interest appropriate to the major. Critical analysis of the situation including both positive and negative aspects will be encouraged. Findings will be presented in both oral and written form. (Capstone Course). Prerequisite: Senior Classification.
- 4310 Agricultural Internship. (0-6) Supervised on-the-job experience in an agriculturally related business or agency. This course may be repeated for credit. See department chair or advisor for information.
- 4311 Instructional Methods for Career and Technology Educators. (2-2) An analysis of the instructional techniques, strategies and methods appropriate to the effective teaching of career and technology subjects. Teaching special populations and teaching in multicultural environments will be addressed. Prerequisites: To be taken the Fall semester before student teaching.
- 4325 Feeds and Feeding. (2-2) Study of feedstuffs used in livestock enterprises. Application of basic nutrients to the needs of different species of livestock. Formulating rations, methods of feeding, feed control laws, and feeding investigation. Prerequisites: AG 1445; CHEM 1431/1141; BIO 1430, 1431.
- 4326 Advanced Animal Science-Ruminants. (3-0) The application of scientific and technological advances to production and management in ruminant animal production and management. Prerequisite: AG 1445. (WI)
- 4328 Advanced Animal Science-Poultry and Swine. (3-0) Application of basic principles in the production and management of nonruminant animals. Scientific and technological advances with emphasis on overall management, health care, nutrition, genetics, physiology, and marketing of nonruminant animals. Prerequisites or co-requisites: AG 2373, 3325, 3331; AG 1110. (WI)
- 4330 Food Technology: Processing Meats. (2-2) Evaluation and grading of carcasses; wholesale and retail cuts of beef, pork, lamb, and poultry. Emphasis on quality controls, testing of finished products that have been frozen, cured, fried, pickled, and canned. Prerequisites: AG 1445, BIO 1430, and CHEM 1341/1141; or consent of instructor.
- 4343 Organization and Management for Laboratory Programs. (2-2) Instructional programs involving laboratory equipment and facilities will be examined. Curriculum, teaching methods, equipment and facility management practices including various aspects of safety, tool management, inventory and security are emphasized along with facilities layout planning. Must be taken in last semester of program. Prerequisites or co-requisites: AG 4212, 4681.
- 4361 Agriculture Electric and Mechanical Systems. (2-2) Electrical fundamentals applied to agricultural production and processing. Circuits, power, energy, wiring design, and motor fundamentals; selection, installation and operational characteristics. Sensors and control devices including switches, relays, timers, and circuit breakers will be studied. Prerequisite: AG 2373.
- 4371 Special Topics in Agricultural Systems Management. (3-0) Study of selected topics not currently available in existing courses.
- 4371B Irrigation. (3-0) Principles associated with water management practices in maintaining soil productivity and the influence of water management on environmental quality. Emphasis will be placed on the selection and layout of irrigation and drainage systems, waste management systems, and the impact on the environment. Prerequisite: AG 3320. Recommended: TECH 1413 and TECH 2310.
- 4371S GPS-Agricultural and Environmental Applications. (3-0) An introduction of techniques and technologies using the Global Positioning System (GPS) in precision agriculture, land surveying and environmental applications. The use of GPA and geo-referenced data in Geographic Information Systems (GIS) will be taught. Labs will be used to collect and analyze data.
- 4380 Agricultural Finance. (3-0) An introduction to finance and financial problems faced by agribusiness managers. The subject matter includes financial analysis, planning, and control; capital budgeting; capital structure, liquidity, and risk management; and financial markets. Prerequisites: AG 2383; MATH 1315 or MATH 1319; ACC 2361.
- 4381 Agricultural Policy. (3-0) Identification and analysis of governmental programs and policies affecting the production and marketing of agricultural products. An economic evaluation of alternative policies and their application for farmers, consumers and agribusinesses will be considered. Prerequisites: AG 2383; MATH 1315 or MATH 1319. (WI)
- 4383 Agricultural Resource Economics. (3-0) Economic concepts and institutional factors relating to the use of agricultural resources such as land, air, water, energy, space, etc. Emphasis is on the conservation of resources and the environmental interactions resulting from the use of natural resources for agricultural production. Prerequisite: AG 2383, MATH 1315 or MATH 1319. (WI)
- 4410 Equine Management and Production. (3-2) The student will learn how to apply biological and business principles in order to effectively, efficiently and successfully run an equine enterprise. Prerequisites: Prior or concurrent enrollment in ACC 2361, AG 2215, AG 3351, and AG 3317 or 3318.
- 4681 Student Teaching in Agricultural Science and Technology. (0-6) Planning for teaching agricultural science in selected schools in Texas. Prerequisite: Senior classification (to be taken in final semester).

Department of Criminal Justice

Hines Building 108
T: 512.245.2174 F: 512.245.8063
www.cj.txstate.edu

DEGREE PROGRAMS OFFERED

BSCJ, major in Criminal Justice
BSCJ, major in Criminal Justice – Corrections
BSCJ, major in Criminal Justice – Law Enforcement

MINOR OFFERED

Criminal Justice

These degree programs prepare students to pursue advanced academic degrees and to serve the community in the operation and management of criminal justice agencies which include federal, state, county, and municipal law enforcement; probation; courts; institutional corrections; parole; and related agencies. The programs are founded on an interdisciplinary and academic approach to the role of criminal justice in the maintenance of social order in a democratic society.

Students pursuing a degree in criminal justice should be willing to meet the standards required of such a career. The majority of criminal justice agencies require sound academic preparation, psychological stability, physical agility, and a record free of felonies

or excessive traffic offenses. All three programs include optional internships, and students selecting an internship option must meet criteria described below. The Criminal Justice major includes the development of advanced research and writing skills and includes interdisciplinary course work.

15 credit hours in criminal justice core curriculum (or their equivalents) may be transferred from a Texas public two-year college as agreed by Texas public institutions for the criminal justice field of study. If transferring additional criminal justice courses please contact the College of Applied Arts Academic Advising Center for assistance.

Criminal Justice Core

CJ 1310, 2310, 2350, 2355, and 2360 are required of all Criminal Justice majors.

Internship

A student must meet the following requirements before being allowed to enroll in an internship course: Texas State GPA of 2.25, CJ GPA of 2.50, completion of 90 college course work hours (including 21 in CJ), ENG 1310 and 1320, CJ 3346, HIST 1310 and 1320, COMM 1310, MATH 1315, 1316 or 1319, CJ 3347 or MATH 2328 or SOCI 3307 or PSY 3301, POSI 2310 and 2320, and 7 hours of Natural Science. Permission of Internship Coordinator is also required.

Bachelor of Science in Criminal Justice Major in Criminal Justice (Non-Internship Option) Minimum required: 120 semester hours							
General Requirements: 1. For the Statistics requirement, SOCI 3307 is recommended for Sociology minors. 2. 6-8 hours of foreign language is required if two years of a foreign language were not completed in high school. This can be satisfied by the electives in the junior or senior year.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CJ 1310	3	CJ 2310	3	ART, DAN, MU, or TH 2313	3	CJ 4365, CJ advanced elective	6
COMM 1310	3	CJ 2350	3	CJ 3300	3	CJ 4310 (Capstone)	3
ENG 1310, 1320	6	CJ 2355	3	CJ 3323	3	CJ 4340	3
HIST 1310	3	CJ 2360	3	CJ 3346	3	CJ 4350 or 4352, CJ Advanced elective	6
MATH 1315, 1316, or 1319	3	CS 1308 or CS 1323	3	CJ advanced elective	3	Advanced elective or Minor	6
POSI 2310	3	HIST 1320	3	ENG Literature	3	Electives or Minor	5
PFW (2 courses)	2	Natural Science Component	7	Advanced electives or Minor	3		
PHIL1305 or 1320	3	POSI 2320	3	Electives or Minor	6		
PSY 1300	3	Statistics: CJ 3347 or MATH 2328, or SOCI 3307 or PSY 3301	3				
SOCI 1310	3						
US 1100	1						
Total	33	Total	31	Total	27	Total	29

Bachelor of Science in Criminal Justice Major in Criminal Justice (Internship Option) Minimum required: 120 semester hours							
General Requirements: 1. For the Statistics requirement, SOCI 3307 is recommended for Sociology minors. 2. 6-8 hours of foreign language is required if two years of a foreign language were not completed in high school. This can be satisfied by the electives in the junior or senior year.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CJ 1310	3	CJ 2310	3	ART, DAN, MU, or TH 2313	3	CJ 4301, 4302	6
COMM 1310	3	CJ 2350	3	CJ 3300	3	CJ 4310 (Capstone)	3
ENG 1310, 1320	6	CJ 2355	3	CJ 3323	3	CJ 4340	3
HIST 1310	3	CJ 2360	3	CJ 3346	3	CJ 4350 or 4352, CJ Advanced elective	6
MATH 1315, 1316, or 1319	3	CS 1308 or CS 1323	3	CJ advanced elective	3	Advanced electives or Minor	6
POSI 2310	3	HIST 1320	3	ENG Literature	3	Electives or Minor	5
PFW (2 courses)	2	Natural Science Component	7	Advanced electives or Minor	3		
PHIL1305 or 1320	3	POSI 2320	3	Electives or Minor	6		
PSY 1300	3	Statistics: CJ 3347 or MATH 2328, or SOCI 3307 or PSY 3301	3				
SOCI 1310	3						
US 1100	1						
Total	33	Total	31	Total	27	Total	29

Bachelor of Science in Criminal Justice Major in Criminal Justice–Corrections (Non-Internship Option) Minimum required: 120 semester hours							
General Requirements: 1. For the Statistics requirement, SOCI 3307 is recommended for Sociology minors. 2. 6-8 hours of foreign language is required if two years of a foreign language were not completed in high school. This can be satisfied by the electives in the junior or senior year.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CJ 1310	3	CJ 2310	3	ART, DAN, MU, or TH 2313	3	CJ 4365, CJ advanced elective	6
COMM 1310	3	CJ 2350	3	CJ 3300	3	CJ 4310 (Capstone)	3
ENG 1310, 1320	6	CJ 2355	3	CJ 3323	3	CJ 4316	3
HIST 1310	3	CJ 2360	3	CJ 3325	3	CJ 4340	3
MATH 1315, 1316, or 1319	3	CS 1308 or CIS 1323	3	CJ 3346	3	CJ 4352	3
POSI 2310	3	HIST 1320	3	ENG Literature	3	Advanced electives or Minor	6
PFW (2 courses)	2	Natural Science Component	7	Advanced electives or Minor	3	Electives or Minor	5
PHIL1305 or 1320	3	POSI 2320	3	Electives or Minor	6		
PSY 1300	3	Statistics: CJ 3347 or MATH 2328, or SOCI 3307 or PSY 3301	3				
SOCI 1310	3						
US 1100	1						
Total	33	Total	31	Total	27	Total	29

Major in Criminal Justice–Corrections (Internship Option) Minimum required: 120 semester hours							
General Requirements: 1. For the Statistics requirement, SOCI 3307 is recommended for Sociology minors. 2. 6-8 hours of foreign language is required if two years of a foreign language were not completed in high school. This can be satisfied by the electives in the junior or senior year.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CJ 1310	3	CJ 2310	3	ART, DAN, MU, or TH 2313	3	CJ 4301, 4302 (Internship option)	6
COMM 1310	3	CJ 2350	3	CJ 3300	3	CJ 4310 (Capstone)	3
ENG 1310, 1320	6	CJ 2355	3	CJ 3323	3	CJ 4316	3
HIST 1310	3	CJ 2360	3	CJ 3325	3	CJ 4340	3
MATH 1315, 1316, or 1319	3	CS 1308 or CIS 1323	3	CJ 3346	3	CJ 4352	3
POSI 2310	3	HIST 1320	3	ENG Literature	3	Advanced electives or Minor	6
PFW (2 courses)	2	Natural Science Component	7	Advanced electives or Minor	3	Electives or Minor	5
PHIL 1305 or 1320	3	POSI 2320	3	Electives or Minor	6		
PSY 1300	3	Statistics: CJ 3347 or MATH 2328, or	3				
SOCI 1310	3	SOCI 3307 or PSY 3301					
US 1100	1						
Total	33	Total	31	Total	27	Total	29

Bachelor of Science in Criminal Justice Major in Criminal Justice–Law Enforcement (Non-Internship Option) Minimum required: 120 semester hours							
General Requirements: 1. For the Statistics requirement, SOCI 3307 is recommended for Sociology minors. 2. 6-8 hours of foreign language is required if two years of a foreign language were not completed in high school. This can be satisfied by the electives in the junior or senior year.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CJ 1310	3	CJ 2310	3	ART, DAN, MU, or TH 2313	3	CJ 4365, CJ advanced elective	6
COMM 1310	3	CJ 2350	3	CJ 3300	3	CJ 4310 (Capstone)	3
ENG 1310, 1320	6	CJ 2355	3	CJ 3323	3	CJ 4332	3
HIST 1310	3	CJ 2360	3	CJ 3329	3	CJ 4340	3
MATH 1315, 1316, or 1319	3	CS 1308 or CIS 1323	3	CJ 3346	3	CJ 4350	3
POSI 2310	3	HIST 1320	3	ENG Literature	3	Advanced electives or Minor	6
PFW (2 courses)	2	Natural Science Component	7	Advanced electives or Minor	3	Electives or Minor	5
PHIL 1305 or 1320	3	POSI 2320	3	Electives or Minor	6		
PSY 1300	3	Statistics: CJ 3347 or MATH 2328, or	3				
SOCI 1310	3	SOCI 3307 or PSY 3301					
US 1100	1						
Total	33	Total	31	Total	27	Total	29

Bachelor of Science in Criminal Justice Major in Criminal Justice–Law Enforcement (Internship Option) Minimum required: 120 semester hours							
General Requirements: 1. For the Statistics requirement, SOCI 3307 is recommended for Sociology minors. 2. 6-8 hours of foreign language is required if two years of a foreign language were not completed in high school. This can be satisfied by the electives in the junior or senior year.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CJ 1310	3	CJ 2310	3	ART, DAN, MU, or TH 2313		CJ 4301, 4302	
COMM 1310	3	CJ 2350	3	CJ 3300	3	CJ 4310 (Capstone)	6
ENG 1310, 1320	6	CJ 2355	3	CJ 3323	3	CJ 4332	3
HIST 1310	3	CJ 2360	3	CJ 3329	3	CJ 4340	3
MATH 1315, 1316, or 1319	3	CS 1308 or CIS 1323	3	CJ 3346	3	CJ 4350	3
POSI 2310	3	HIST 1320	3	ENG Literature	3	Advanced electives or Minor	3
PFW (2 courses)	2	Natural Science Component	7	Advanced electives or Minor	3	Electives or Minor	6
PHIL1305 or 1320	3	POSI 2320	3	Electives or Minor			5
PSY 1300	3	Statistics: CJ 3347 or MATH 2328, or			3		
SOCI 1310	3	SOCI 3307 or PSY 3301	3		6		
US 1100	1						
Total	33	Total	31	Total	27	Total	29

MINOR IN CRIMINAL JUSTICE

A minor in Criminal Justice requires 18 hours, which includes CJ 1310, 6 hours selected from the criminal justice core: CJ 2310, 2350, 2355, or 2360, and 9 advanced CJ hours.

Courses in Criminal Justice (CJ)

- 1310 (CRIJ 1301) Introduction to Criminal Justice. (3-0) History and philosophy of criminal justice: ethical considerations, crime defined, overview of criminal justice system, law enforcement, court system, prosecution and defense, trial process, and corrections.
- 2310 (CRIJ 2328) Police Systems and Practices. (3-0) Police profession: organization of law enforcement systems, the police role, police discretion, ethics, police-community interaction, and current and future issues. Prerequisite: CJ 1310.
- 2350 (CRIJ 1306) The Courts and Criminal Procedure. (3-0) Judiciary in the criminal justice system: structure of American court system, prosecution, right to counsel, pre-trial release, grand juries, adjudication process, types and rules of evidence, and sentencing. Prerequisite: CJ 1310.
- 2355 (CRIJ 2313) Correctional Systems and Practices. (3-0) Corrections in the criminal justice system: organization of correctional systems, correctional role, institutional operations, alternatives to institutionalization, treatment and rehabilitation, and current and future issues. Prerequisite: CJ 1310.
- 2360 (CRIJ 1310) Fundamentals of Criminal Law. (3-0) A study of the nature of criminal law: philosophy and historical developments, major definitions and concepts, classification of crime, elements of crimes and penalties using Texas Statutes as illustrations, and justifications of and defenses to criminal responsibility.

- 3300 Juvenile Justice. (3-0) A study of the juvenile justice process to include both the specialized juvenile law and the role of the courts, police and corrections in juvenile justice. Prerequisite: CJ 1310. (WI)
- 3323 Mid-Level Management in Criminal Justice Agencies. (3-0) Introduction and overview of the organizational theories of classical behavioral, and systems management concepts. Included in the course content are analyses of the functions of management in modern CJ organizations, internal and external environmental factors, individual & group dynamics, motivation, and leadership styles. Prerequisites: CJ 1310 and 2310 or 2355.
- 3325 Penology. (3-0) Role of the institution in the process of corrections including the philosophy of imprisonment, the inmate subculture and special problems and programs in institutions. Prerequisite: CJ 1310 and 2355.
- 3329 Forensic Evidence. (3-0) Investigator's role in collecting, preparing and presenting evidence in criminal trials. Special attention will be given to electronic evidence in addition to traditional physical evidence. Prerequisites: CJ 2350 and 2360.
- 3346 Research in Criminal Justice. (3-0) Analysis of criminal justice research, survey methods, and the utilization of research in criminal justice. Prerequisite: CJ 1310, CS 1308 or equivalent and Statistics (CJ 3347, MATH 2328, PSY 3301, SOCI 3307 or equivalent). (WI)
- 3347 Statistics For Criminal Justice. (3-0) The theory and application of statistical inferential techniques, and correlation and regression for behavioral science data and its applications in Criminal Justice. Emphasis is on the collection, analysis, and interpretation of statistical data in criminal justice settings.
- 4301-4302 Internship I and II. (0-6) Field service training in public and private criminal justice agencies at the federal, state

- and local levels. The internship is designed to provide actual work experience, observation, and analysis in the student's chosen career field. (See departmental information under "Internship"). (WI)
- 4309 Special Topics in Criminal Justice. (3-0) This course is designed to educate students about important emerging, temporal, and evolving crime and justice issues at the local, national, and global levels. Students will gain content knowledge necessary for a broad-based cross-cultural understanding of operational justice in the 21st Century. (MC)
- 4309A Cybercrime. (3-0) This course will educate students about crime and justice issues associated with computer systems at the local, national, and global levels. Students will gain knowledge regarding development of national and international computer crime law, crimes unique to computer environments, and traditional crime involving computers and the internet.
- 4309B Serial Murder. (3-0) This special topics course is designed to educate students about the mental processes and motivations of various types of serial killers, and the special issues associated with investigating these types of cases and treating these types of offenders. Serial killer profiles and victim characteristics will be explored.
- 4309C Special Operations Units in Law Enforcement and Corrections. (3-0) This special topics course is designed to educate students about design, operations, and management of special operations units in criminal justice agencies including those dealing with crisis negotiations, undercover investigations, vice, and tactical operations. Students gain content knowledge necessary for a broad-based understanding of the roles of special units in public safety.
- 4309D Race, Ethnicity, and Criminal Justice. (3-0) This course examines race and ethnicity from a criminological perspective. Students discuss theories of both race/ethnicity and crime, examine the criminal justice system, and social systems including: mass-media, politics and economics to form a comprehensive understanding of the social construction of race as it pertains to a racially disproportionate system.
- 4309E Criminal Justice in Southeast Asia. (3-0) This course provides an overview of the systems of policing, criminal courts and criminal procedure, prisons, and non-institutional corrections in the nations of Myanmar (Burma), Laos, Vietnam, Thailand, Singapore, Cambodia, the Philippines, Malaysia, and Indonesia, and critically examines justice-related political, social, cultural, and human rights issues.
- 4310 Special Problems in the Criminal Justice System. (3-0) A study of contemporary problems in administration, management, organization and operation of criminal justice agencies. Prerequisite: CJ 2310, 2350, 2355, 2360 and senior standing. (Capstone Course). (WI)
- 4314 Terrorism in the United States. (3-0) Terrorist groups operating in the U.S. are examined with special emphasis on the far-right (militia, Christian identity, neo-nazi, other racist groups). Analyzed are their belief systems and structures, organizational structure, tactics and targets, and weapons. Future trends are discussed, including the threat posed by nuclear, biological, and chemical terrorism.
- 4316 Treatment in Community and Institutional Corrections. (3-0) A study of community based programs for adult and juvenile offenders, treatment modalities in various correctional settings, administration, legal issues, and future trends associated with community-based and institutional based treatment. Prerequisites: CJ 2355 and 3325.
- 4321 Occupational Crime. (3-0) A study of the problems of organized and upper social status criminal activities with emphasis on statutes and their application to fraud, embezzlement, deceptive trade practices and illegal trade practices.
- 4326 Women and Criminal Justice. (3-0) This course is designed to explore women's involvement in three primary areas of criminal justice-as victims, criminals and practitioners employed in criminal justice agencies. It will analyze the impact of sex and gender on such things as criminological theory, sentencing, prison subcultures victimization and career choices. Prerequisite: junior standing. (MC) (WI)
- 4327 Ethics of Social Control. (3-0) This course is designed to explore moral decision making. Basic moral or ethical frameworks are applied to ethical decision which often need to be made in the criminal justice system. Prerequisite: junior standing. (WI)
- 4329 Organized Crime. (3-0) Survey of organized crime in contemporary society. Includes attention to crime types and methods, motivation, affiliations, and the effects of this type of criminality. Related legal and law enforcement perspectives will be covered, along with international and cyberspace issues. Prerequisite: CJ 1310.
- 4332 Advanced Criminal Justice Management. (3-0) A critical analysis of the nature of organizations within the criminal justice system. An analysis of theories of organizations and of organizational changes within law enforcement agencies. An examination of the quantitative data gathered by the Criminal Justice System and its effective use and presentation. Prerequisites: CJ 1310 and 2310 or 2355.
- 4340 Crime Theory and Victimization. (3-0) Examination of the causes of crime and crime victimization and competing explanations for crime and the impact of crime on crime victims. This course draws on perspectives advanced by a number of diverse fields of inquiry, for example, biology, psychology, sociology, and the political and economic sciences. Prerequisites: CJ 1310 and 3300. (WI)
- 4350 Contemporary Legal Issues in Law Enforcement. (3-0) An in-depth study of recent developments in criminal law and procedure. Their effects upon the criminal justice agency official in society will be given special attention. Includes specific case studies with emphasis on analyzing factual situations and legal issues. Prerequisites: CJ 1310, and 2310. (WI)
- 4352 Contemporary Legal Issues in Corrections. (3-0) A study of the developing body of law defining the rights and duties of persons confined in penal institutions with equal emphasis on legal issues associated with probationers, parolees, and similar status's within the corrections branch of the criminal justice system. Prerequisite: CJ 1310 and 2355. (WI)
- 4362 Readings in Criminal Justice. (3-0) An individualized readings course tailored to the academic and professional interests and needs of the student. Emphasis is placed on developing in-depth knowledge of selected criminal justice subjects through directed research. Repeatable for credit with different emphasis. (Permission of instructor is required for course registration.)

- 4363 Independent Studies in Criminal Justice. (3-0) Independent study and research on topics in criminal justice related to a student's primary area of interest. Work may include individual research, critical reviews or integration of existing body of knowledge. Course may be repeated with different emphasis once for credit with approval of department chair.
- 4365 Comparative Criminal Justice. (3-0) A survey of the organizational, administrative and philosophical principles of criminal justice systems around the world. Prerequisite: CJ 1310 and 2310 or 2355. (WI)

Department of Family and Consumer Sciences

Family & Consumer Science Building 101
T: 512.245.2155 F: 512.245.3829
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DEGREE PROGRAMS OFFERED

BSFCS, major in Family and Consumer Sciences
BSFCS, major in Family and Consumer Sciences (Consumer Science Option)
BSFCS, major in Family and Consumer Sciences (with Teacher Certification)
BSFCS, major in Family and Child Development
BSFCS, major in Family and Child Development (with Teacher Certification)
BSFCS, major in Fashion Merchandising
BSFCS, major in Interior Design
BSFCS, major in Nutrition and Foods
BSFCS, major in Nutrition and Foods (Dietetics track)
BSFCS, major in Nutrition and Foods (Nutritional Science track)
BSFCS, major in Nutrition and Foods (with Teacher Certification)

MINORS OFFERED

Consumer Science
Early Childhood Intervention
Family and Child Development
Family and Consumer Sciences
Fashion Merchandising

Major in Family and Consumer Science

Majors have a choice of three different tracks: Consumer Science, Family and Consumer Sciences, and Family and Consumer Sciences teacher certification. Students choosing the Consumer Science track study family financial decisions and the role of the consumer in the economy. Students prepare for such careers as business consumer liaisons, consumer advocates, or government agency employees. In the Family and Consumer Sciences track, students take courses from all areas of Family and Consumer Sciences and select a minor. Graduates seek employment in business, the extension service, and community agencies. The teacher certification option, approved by the Texas Education Agency, certifies graduates to teach family and consumer sciences in secondary public schools.

Major in Family and Child Development

Majors work in family and child programs, and community agencies. Using an interdisciplinary approach, students focus on human development and relationships across the lifespan.

Major in Fashion Merchandising

Prepares majors for careers in the merchandising and promotion of fashion goods and services including: apparel, accessories, cosmetics, fragrances, and home furnishings and a variety of other consumer products. Students must complete the required courses for a Business Administration minor.

Major in Interior Design

Prepares students for careers as residential and/or commercial interior designers. The program is accredited by the Council for Interior Design Accreditation (formerly FIDER), the recognized accrediting agency for the discipline. Students learn to communicate their design concepts and to solve design problems.

Major in Nutrition and Foods

Majors study the relationships between the dietary intake of whole foods, processed foods, functional foods and dietary supplements and the health of individuals and populations. Majors prepare for careers in medical nutrition therapy, food service administration, public health nutrition programs, private practice, research, and industry. The Dietetics track is accredited by the Commission on Accreditation for Dietetics Education and also fulfills didactic requirements for Texas licensing. Graduates of this track will receive a Verification Statement and are qualified to apply for post-graduate dietetic internships in pursuit of Registered Dietitian certification.

Family and Consumer Sciences Core

All majors in the department are required to take FCS 4347.

Bachelor of Science in Family and Consumer Sciences

Major in Family and Consumer Sciences

Minimum required: 120 semester hours

General Requirements:

1. In addition to general education core curriculum and departmental core requirements, the Family and Consumer Sciences major is required to take courses in all areas of Family and Consumer Sciences.
2. Majors participate in an internship in a related area.
3. MATH 1316 is not accepted as a prerequisite for courses in some minors.
4. At least three hours of the electives must be writing intensive.
5. A minor is required.
6. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
FCS 1341	3	FCS 1347	3	FCS 3341, 3342	6	FCS 3391, 4100, 4301, 4341, 4347	13
FCD 1351	3	NUTR 2360 or 3362	3	FCD 2351	3	FCD 3355 or 4351	3
ID 1321	3	ENG Literature	3	ID 3329	3	Minor, advanced electives	9
NUTR 1362, 1162	4	HIST 1320	3	ART, DAN, MU or TH 2313	3	Electives	2-3
FM 1332 or 2331	3	PHIL 1305 or 1320	3	COMM 1310	3		
ENG 1310, 1320	6	PFW two courses	2	Minor electives (3 advanced)	9		
US 1100	1	POSI 2320	3	Social Science Component	3		
HIST 1310	3	Natural Science Component	7-8				
MATH 1315 or 1316 or 1319	3	Electives	3				
POSI 2310	3						
Total	32	Total	30-31	Total	30	Total	27-28

Bachelor of Science in Family and Consumer Sciences

Major in Family and Consumer Sciences

(with Consumer Science Option and Minor in Business Administration)

Minimum required: 120 semester hours

General Requirements:

1. In addition to general education and departmental core requirements, the consumer science option requires specialized courses in consumer education, family and personal resource management, family finance, consumer law, family financial counseling, and family policy.
2. Students participate in an internship in a related area.
3. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
FCS 1341, 1347	6	ID 3329	3	FCS 3342, 4303, 4341	9	FCS 3391, 4100, 4301, 4342, 4347	13
Department Elective	3	FCS 3341	3	Business-select four from: BLAW 2361; CIS 3317; FIN 3325; MGT 3303; MKT 3343	12	Electives	6-7
COMM 1310	3	ACC 2301	3	ECO 2301	3	FCD 3355 or 4351	3
ENG 1310, 1320	6	ENG Literature	3	Advanced Electives	6	ART, DAN, MU, or TH 2313	3
US 1100	1	HIST 1320	3			Department Electives	3
HIST 1310	3	Natural Science Component	7-8				
MATH 1315 or 1319	3	POSI 2320	3				
PHIL 1305 or 1320	3	Social Science Component	3				
POSI 2310	3	PFW two courses	2				
Total	31	Total	30-31	Total	30	Total	28-29

Bachelor of Science in Family and Consumer Sciences
Major in Family and Consumer Sciences
(with Consumer Science Option and Minor in Mass Communication)
Minimum required: 120 semester hours

General Requirements:

1. In addition to general education and departmental core requirements, the consumer science option requires specialized courses in consumer education, family and personal resource management, family finance, consumer law, family financial counseling, and family policy.
2. Students participate in an internship in a related area.
3. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
FCS 1341, 1347	6	ID 3329	3	FCS 3341, 3342, 4303, 4341	12	FCS 3391, 4100, 4301, 4342, 4347	13
Social Science Component	3	Department elective	3	FCD 3355 or 4351	3	MC 3343, 3355, 3367, 4302	12
COMM 1310	3	ACC 2301	3	MC 1301, 3375, 4303, 4308, 4310	6	Electives	3-4
ENG 1310, 1320	6	ENG Literature	3	or 4356C (select two courses)	6		
US 1100	1	HIST 1320	3	ECO 2301	3		
HIST 1310	3	Natural Science Component	7-8	Electives	7		
MATH 1315 or 1319	3	POSI 2320	3				
PHIL 1305 or 1320	3	ART, DAN, MU, or TH 2313	3				
POSI 2310	3	PFW two courses	2				
Total	31	Total	30-31	Total	31	Total	28-29

Bachelor of Science in Family and Consumer Sciences
Major in Family and Consumer Sciences
(with Teacher Certification)
Minimum required: 123 semester hours

General Requirements:

1. In addition to general education core curriculum and departmental core requirements, the Family and Consumer Sciences major pursuing teacher certification in Family and Consumer Sciences is required to take from 6 to 12 semester hours in each of the following areas: nutrition and foods, family and child development, fashion merchandising, interior design, consumer science, and occupational Family and Consumer Sciences.
2. Students must demonstrate competency in basic clothing construction techniques.
3. Students participate in student teaching for pre-professional experience.
4. No minor is required.
5. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
FM 1332	3	FCS 1347	3	FCD 2351, 3355, 3394	9	FCS 4301, 4343, 4347, 4681	15
FCS 1341	3	FM 2331 or 2334	3	FCS 3341, 3391	6	NUTR 4367, 4167	4
FCD 1351	3	CHEM 1310, 1430 or BIO 1320, 1421	7	NUTR 3362	3	AG 4311	3
NUTR 1362, 1162	4	COMM 1310	3	ID 1321, 3329	6	AG 4343	3
ENG 1310, 1320	6	ENG Literature	3	ART, DAN, MU, or TH 2313	3	CI 4370	3
US 1100	1	HIST 1320	3	CI 4332	3	RDG 3323	3
HIST 1310	3	PHIL 1305 or 1320	3				
MATH 1315 or 1319	3	POSI 2320	3				
PFW two courses	2	Social Science Component	3				
POSI 2310	3						
Total	31	Total	31	Total	30	Total	31

Bachelor of Science in Family and Consumer Sciences Major in Family and Consumer Sciences (with Consumer Science Option and Program in Financial Planning) Minimum required: 120 semester hours							
General Requirements: 1. In addition to general education and departmental core requirements, the consumer science option requires specialized courses in consumer education, family and personal resource management, family finance, consumer law, family financial counseling, and family policy. 2. Students participate in an internship in a related area. 3. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
FCD 1341, 1347	6	FCS 3341	3	FCS 3342, 4303, 4341	9	FCS 3391, 4100, 4301, 4342, 4347	13
Social Science Component	3	ACC 2361, 2362	6	ID 3329	3	FIN 3326, 3335, 4325	9
COMM 1310	3	ENG Literature	3	ART, DAN, MU, or TH 2313	3	ACC 4328	3
ENG 1310, 1320	6	HIST 1320	3	FIN 3312, 3318	6	Electives	3-4
US 1100	1	Natural Science Component	7-8	FCD 3355 or 4351	3		
HIST 1310	3	POSI 2320	3	Department Elective	3		
MATH 1315 or 1319	3	ECO 2301	3	Electives	3		
PHIL 1305 or 1320	3	PFW two courses	2				
POSI 2310	3						
Total	31	Total	30-31	Total	30	Total	28-29

Bachelor of Science in Family and Consumer Sciences Major in Family and Consumer Sciences (with Consumer Science Option and Minor in Journalism) Minimum required: 120 semester hours							
General Requirements: 1. In addition to general education and departmental core requirements, the consumer science option requires specialized courses in consumer education, family and personal resource management, family finance, consumer law, family financial counseling, and family policy. 2. Students participate in an internship in a related area. 3. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major. 4. The minor in Journalism requires a passing score on the Grammar, Spelling and Punctuation (GSP) test. Without a passing score on the GSP test, Journalism minors are limited to MC 1301. The Grammar, Spelling and Punctuation (GSP) test is given by the Texas State Testing, Research Support and Evaluation Center. The GSP is administered weekly; call 512.245.2276 for testing times. The test can only be taken a maximum of three times and there is a fee of \$40 per test. Tutoring resources for the GSP can be found at www.writingcenter.txstate.edu/Student-Resources/GSP.html .							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
FCD 1341, 1347	6	MC 1301	3	FCS 3341, 3342, 4303, 4341	12	FCS 3391, 4100, 4301, 4342, 4347	13
Social Science Component	3	Department elective	3	MC 1313, 3374, 3390	9	MC 3383, 4301	6
COMM 1310	3	ACC 2301	3	ECO 2301	3	FCD 3355 or 4351	3
ENG 1310, 1320	6	ENG Literature	3	Electives	6-7	ID 3329	3
US 1100	1	HIST 1320	3			Electives	3
HIST 1310	3	Natural Science Component	7-8				
MATH 1315 or 1319	3	POSI 2320	3				
PHIL 1305 or 1320	3	ART, DAN, MU, or TH 2313	3				
POSI 2310	3	PFW two courses	2				
Total	31	Total	30-31	Total	30-31	Total	28

Bachelor of Science in Family and Consumer Sciences
Major in Family and Consumer Sciences
(with Consumer Science Option and Minor in Social Work)
Minimum required: 120 semester hours

General Requirements:

1. In addition to general education and departmental core requirements, the consumer science option requires specialized courses in consumer education, family and personal resource management, family finance, consumer law, family financial counseling, and family policy.
2. Students participate in an internship in a related area.
3. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
FCD 1341, 1347	6	SOWK 1350	3	FCS 3341, 3342, 4303, 4341	12	FCS 3391, 4100, 4301, 4342, 4347	13
Social Science Component	3	Department elective	3	ID 3329	3	FCD 3355 or 4351	3
COMM 1310	3	ACC 2301	3	SOWK 2375, 4310	6	Select three courses from: SOWK	9
ENG 1310, 1320	6	ENG Literature	3	ECO 2301	3	3312, 3339, 4315, 4318, 4320	3
US 1100	1	HIST 1320	3	Electives	6-7	Electives	
HIST 1310	3	Natural Science Component	7-8				
MATH 1315 or 1319	3	POSI 2320	3				
PHIL 1305 or 1320	3	ART, DAN, MU, or TH 2313	3				
POSI 2310	3	PFW two courses	2				
Total	31	Total	30-31	Total	31	Total	28

Bachelor of Science in Family and Consumer Sciences
Major in Family and Child Development
Minimum required: 120 semester hours

General Requirements:

1. In addition to general education core curriculum and Family and Consumer Sciences core requirements, the Family and Child Development major is required to take specialized courses including infant and toddler development, child development, family life education, creative activities for children, and administration of programs for young children.
2. No minor is required; however, Family and Child Development majors may add a minor relevant to their career interests, such as, Social Work, Psychology, or Early Childhood Intervention.
3. MATH 1316 is not accepted as a prerequisite for courses in some minors.
4. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
FCD 1351	3	FCD 2351, 2353, 2357	9	FCD 3351, 3353, 3355, 3394	12	FCD 3359, 4301, 4351, 4355	12
COMM 1310	3	Department elective	3	NUTR 3362	3	FCD 4352 or 4356	3
ENG 1310, 1320	6	ENG Literature	3	FCS 1341 or 1347 or 3341; or		FCD 3358 or FCS 4303	3
US 1100	1	HIST 1320	3	FM 2331; or ID 3329	3	FCD 3350, or 3344, or 3354, or 3356,	
HIST 1310	3	POSI 2320	3	Department elective	3	or 4353	3
MATH 1315 or 1316 or 1319	3	Natural Science Component		ART, DAN, MU, or TH 2313	3	FCS 4347	3
Natural Science Component	3-4	Social Science Component	4	SOWK 4315	3	Electives	4-5
PFW two courses	2	Elective	3	SPED 2360	3		
PHIL 1305 or 1320	3		3				
POSI 2310	3						
Total	30-31	Total	31	Total	30	Total	28-29

Bachelor of Science in Family and Consumer Sciences
Major in Family and Child Development
(with Human Development and Family Science Teacher Certification)
Minimum required: 124-125 semester hours

General Requirements:

1. In addition to general education core curriculum and departmental core requirements, the Family and Consumer Sciences major pursuing teacher certification in Family and Child Development is required to take specialized courses including infant and toddler development, child development, family life education, creative activities for children, and administration of programs for young children.
2. Students participate in student teaching for pre-professional experience.
3. No minor is required.
4. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
FCD 1351	3	FCD 2351, 2353, 2357	9	CI 4332	3	AG 4311, 4343	6
COMM 1310	3	FCS 1341	3	FCD 3351, 3353, 3355, 3358, 3394	15	CI 4370	3
ENG 1310, 1320	6	ENG Literature	3	FCS 3341, 4343	6	FCD 4351, 4352, 4355	9
US 1100	1	HIST 1320	3	NUTR 3362	3	FCS 4301, 4347, 4681	12
HIST 1310	3	POSI 2320	3	SOWK 4315	3	RDG 3323	3
MATH 1315 or 1319	3	Natural Science Component	4				
Natural Science Component	3-4	Social Science Component	3				
PFW two courses	2	ART, DAN, MU, or TH 2313	3				
PHIL 1305 or 1320	3						
POSI 2310	3						
Total	30-31	Total	31	Total	30	Total	33

Bachelor of Science in Family and Consumer Sciences
Major in Fashion Merchandising
(with minor in Business Administration)
Minimum required: 120 semester hours

General Requirements:

1. Students will initially be admitted to the Pre-Fashion Merchandising major until they complete COMM 1310; FM 1330; MATH 1315 or 1319 with grades of "C" or higher, and earn a Texas State GPA of 2.25 or higher. When these requirements are met, students may apply for admission to the Fashion Merchandising major.
2. Students are not able to register for upper-division FM courses until they are admitted to the major.
3. Majors who fall below the required Texas State GPA of 2.25 will have a one-semester probationary period to raise their GPA. If the GPA is not raised during this probationary period, the student will be out of the program until requirements are met.
4. Majors are required to take specialized courses in Fashion Merchandising including culture and consumer behavior, textiles, textile product analysis, fashion buying principles, fashion merchandising, fashion history, fashion merchandising administration, fashion economics, and fashion promotional strategies.
5. Majors participate in an internship in a related area.
6. Courses for a minor in Business Administration are required of all Fashion Merchandising majors.
7. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
FM 1330, 1332, 2331	9	FM 2330, 2334	6	FM 3330, 3332, 3334, and		FM 4301, 4302E, 4331, 4338, 4339	15
COMM 1310	3	ECO 2301	3	4302C or 4302D	12	FCS 4347	3
ENG 1310, 1320	6	ACC 2301	3	Social Science Component	3	Business-Select four from: BLAW	
US 1100	1	HIST 1320	3	MC 3343 or 3367	3	2361; CIS 3317; FIN 3325; MGT	
HIST 1310	3	Natural Science Component	7-8	ENG Literature	3	3303; or MKT 3343	12
MATH 1315 or 1319	3	POSI 2320	3	Department electives	6		
PFW two courses	2	ART, DAN, MU or TH 2313	3	Electives	1-2		
POSI 2310	3	PHIL 1305 or 1320	3				
Total	30	Total	31-32	Total	28-29	Total	30

Bachelor of Science in Family and Consumer Sciences

Major in Interior Design

Minimum required: 121-122 semester hours

General Requirements:

1. Students will initially be admitted to the Pre-Interior Design major until they complete ID 1320; ID 1321; and ARTF 1302 with grades of "C" or higher, and earn a Texas State GPA of 2.25 or higher. When these requirements are met, students qualify for admission to the Interior Design major.
2. Students are not able to register for subsequent ID courses until they are admitted to the Interior Design major.
3. Majors who fall below the required Texas State GPA of 2.25 will be out of the program until requirements are met.
4. The Interior Design major is required to take specialized courses in interior design including history of furnishings and architecture, residential and commercial interior design, research and programming, professional practices, and portfolio design. Visual communication courses, such as drawing, drafting, rendering and CADD, are taken in Art and Technology Departments.
5. It is strongly suggested that students consider transferring into the program prior to meeting all general education core curriculum requirements or course options may be limited. The completion of ID major course requirements alone requires a minimum of six semesters due to strict sequencing, regardless of other credit hours accumulated.
6. Students participate in an internship in a related area. Students are required to have completed ENG 1310, 1320, COMM 1310, MATH 1315 or 1319 in addition to the Interior Design course requirements prior to the internship.
7. Majors must pass all required Interior Design, Art, and Technology classes with a grade of "C" or higher. Any student making a grade of "D" or lower in ID 1320, 1321, 2322, 2323, 3322, 3323, and ARTC 2305 may not proceed to the next level course until a grade of "C" or higher is achieved.
8. A portfolio review for all Interior Design majors is conducted by the Interior Design faculty immediately upon completion of all ID 3322 course work. The purpose of the review process is to ensure that the most qualified students, evidenced by adequate skill and knowledge levels, will advance in the program. Students must pass portfolio review to proceed to ID 3323.
9. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ID 1320, 1321, 2321, 2322, 2323, 2329	18	ID 2325, 3321, 3322, 3323, 3325, 3326	18	ID 3220, 3324, 4323	8	ID 4120 or 4220, 4301, 4324	7-8
ARTF 1302, ARTC 2305	6	TECH 2313	3	ARTH elective, advanced	3	FCS 4347	3
ENG 1310	3	Elective from: AG 3306 or 4305; ARTS 2311, 2331, 2341 or 2381; FM 1332; TH 1358, others by approval	3	TECH 4313	3	FM 4338 or ART or TECH elective, advanced	3
US 1100	1	ENG 1320	3	ART, DAN, MU, or TH 2313	3	PHIL 1305 or 1320	3
MATH 1315 or 1319	3	COMM 1310	1	HIST 1310, 1320	6	POSI 2310, 2320	6
		PFW one course		Natural Science Component	7	Social Science Component	3
				PFW one course	1	ENG Literature	3
Total	30	Total	31	Total	31	Total	28-29

Bachelor of Science in Family and Consumer Sciences

Major in Nutrition and Foods

Minimum required: 120 semester hours

General Requirements:

1. In addition to general education and Family and Consumer Sciences core requirements, majors take courses in biology, and specialized courses in food systems, food science, food service management, nutritional assessment, wellness and fitness, and life span nutrition. Course options include medical nutrition therapy, advanced food science, biochemical nutrition, and nutrition and genetics.
2. Majors participate in an externship.
3. A minor is required, and those in biology, business administration, and chemistry are recommended.
4. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
NUTR 1162, 1362	4	NUTR 2360, 2361, 2362, 2162	10	NUTR 3363	3	NUTR 4301, 4367, 4167, 4365	10
BIO 1320, 1430 or 1431	7	BIO 2430, 2440	8	FCS 3391 or NUTR 4363	3	FCS 4303, 4347	6
ENG 1310, 1320	6	HIST 1320	3	ART, DAN, MU, TH 2313	3	NUTR 3366, 3166, 4304, 4360, 4362 (choose 9 hours)	9
COMM 1310	3	PSY 1300 or SOCI 1310	3	Minor	14	Minor	4
US 1100	1	PHIL 1305 or 1320	3	Elective	3		
HIST 1310	3	POSI 2320	3	ENG Literature	3		
MATH 1315 or 1319	3	PFW course	1				
PFW course	1						
POSI 2310	3						
Total	31	Total	31	Total	29	Total	29

Bachelor of Science in Family and Consumer Sciences Major in Nutrition and Foods (Dietetics Track) Minimum required: 127 semester hours							
General Requirements: 1. In addition to general education and Family and Consumer Sciences core requirements, majors take courses in agriculture, biology, chemistry, and specialized courses in food science, management, nutritional assessment, food systems, wellness and fitness, medical nutrition therapy, biochemical nutrition, nutrition in the lifespan, functional foods and nutraceuticals, nutrition and genetics, and food service management. 2. Majors must maintain a Texas State GPA of 2.75 or higher in order to graduate. 3. Majors participate in an internship. 4. No minor is required. 5. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
NUTR 1362, 1162	4	NUTR 2360, 2361, 2362, 2162	10	NUTR 3363, 3366, 3166, 4365, 4367, 4167	14	NUTR 4301	3
CHEM 1341, 1141, 1342, 1142	8	BIO 2430, 2440	8	CHEM 2330, 2130, 2350, 2150	8	NUTR 4304, 4360, 4361, 4362, 4363	15
BIO 1320	3	HIST 1320	3	ENG Literature	3	FCS 4303, 4347	6
ENG 1310, 1320	6	PSY 1300 or SOCI 1310	3	ART, DAN, MU, TH 2313	3	ENG 3303	3
COMM 1310	3	PHIL 1305 or 1320	3	ACC 2301	3	AG 3319	3
US 1100	1	PFW two courses	2				
HIST 1310	3	POSI 2320	3				
MATH 1315 or 1319	3						
POSI 2310	3						
Total	34	Total	32	Total	31	Total	30

Bachelor of Science in Family and Consumer Sciences Major in Nutrition and Foods (Nutritional Science Track) Minimum required: 120 semester hours							
General Requirements: 1. In addition to general education and Family and Consumer Sciences core requirements, majors take courses in agriculture, biology, chemistry, math, and statistics, and specialized courses in food science, advanced food science, nutritional assessment, nutrition in the life span, biochemical nutrition, functional foods and nutraceuticals, and nutrition and genetics. 2. Majors must maintain a Texas State GPA of 2.75 or higher in order to graduate. 3. Majors participate in an internship. 4. No minor is required. 5. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1341, 1141, 1342, 1142	8	NUTR 2360, 2361, 2362, 2162	10	NUTR 3363, 3366, 3166, 4365	10	NUTR 4301, 4304, 4361, 4362	12
BIO 1431	4	BIO 2430, 2440	8	CHEM 2341, 2141, 2342, 2142	8	HP 3302	3
ENG 1310, 1320	6	HIST 1320	3	ENG Literature	3	AG 3319	3
COMM 1310	3	PSY 1300 or SOCI 1310	3	BIO 2450	4	FCS 4347	3
US 1100	1	PHIL 1305 or 1320	3	ART, DAN, MU, TH 2313	3	CHEM 4375	3
HIST 1310	3	POSI 2320	3	MATH 2417	4	ENG 3303	3
PFW two courses	2					Elective	1
POSI 2310	3						
Total	30	Total	30	Total	32	Total	28

Bachelor of Science in Family and Consumer Sciences
Major in Nutrition and Foods
(with Hospitality, Nutrition, and Food Science Teacher Certification)
Minimum required: 129 semester hours

General Requirements:

1. In addition to general education and department core requirements, majors take courses in hospitality, food systems, food service management, nutritional assessment, nutrition, and food science.
2. Students participate in student teaching for pre-professional experience and an internship.
3. No minor is required.
4. Two years of the same foreign language are required and if not completed in high school, these courses will add to the hours required for this major.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
NUTR 1362, 1162	4	NUTR 2360, 2361, 2362, 2162	10	NUTR 3363, 4365, 4167, 4367	10	FCS 4301, 4347, 4681	12
BIO 1320, 1430 or 1431	7	BIO 2430, 2440	8	NUTR 4350	3	NUTR 4363 or FCS 3391	3
ENG 1310, 1320	6	HIST 1320	3	FCS 1341, 1347, 4343	9	FM 4338	3
COMM 1310	3	PSY 1300 or SOCI 1310	3	FCD 3394	3	AG 4343	3
US 1100	1	ENG Literature	3	CI 4332	3	CI 4370	3
HIST 1310	3	PHIL 1305 or 1320	3	ART, DAN, MU, TH 2313	3	RDG 3323	3
MATH 1315 or 1319	3	POSI 2320	3	ACC 2301		AG 4311	3
PFW two courses	2						
POSI 2310	3						
Total	32	Total	33	Total	34	Total	30

Minor in Consumer Science

A minor in Consumer Science requires 18 hours, which includes FCS 1341, 3341, 3342, 4341, and 6 hours of FCD, FCS, ID, FM, or NUTR electives.

Minor in Early Childhood Intervention

A minor in Early Childhood Intervention requires 18 hours, which includes FCD 2357, 3344, 3356, 4301, and 6 hours selected from CDIS 1331; FCD 2351, 2353, 3351, 4351, 4355; HIM 2360; PSY 3300; SOCI 3327, 3337; SOWK 1350, 2375, 4315; or SPED 2360.

Minor in Family and Child Development

A minor in Family and Child Development requires 18 hours, which includes FCD 2353 and 3355, and 12 additional hours of FCD, 9 of which must be advanced, selected from: FCD 1351, 2351, 2357, 3344, 3345, 3350, 3351, 3353, 3354, 3356, 3358, 3359, 3394, 4301, 4351, 4352, 4353, 4355, 4356, 4357 or FCS 4303.

Minor in Family and Consumer Sciences

A minor in Family and Consumer Sciences requires 18 hours, which includes FCS 1341 or 3341; FCD 3355; FM 1332 or 2331 or 3331; NUTR 3362; ID 3329; and 3 hours of electives. 9 hours must be advanced.

Minor in Fashion Merchandising

A minor in Fashion Merchandising requires 18 hours, which includes FM 1330 and 15 hours from: FM 1332, 2330, 2331, 2334, 3330, 3331, 3332, 3334, 4320, 4331, 4337, 4338, 4339, or 4340.

Courses in Family and Child Development (FCD)

1351 Lifespan Development. (3-0) Developmental principles underlying behavior as experienced in physical, intellectual, emotional and social changes across the lifespan. Emphasis will be on adult development.

2351 Child Development. (3-1) The development of the total child from conception through adolescence. Observation in Child Development Center.

2353 Principles of Guidance. (2-2) Theory and practice related to child guidance. Participation in Child Development Center required. Prerequisite: FCD 2351 or approval of instructor.

2357 Infants and Toddlers. (2-2) The study of infants and toddlers in home and group settings; implementation of learning strategies based on developmental principles. Directed participation in the Child Development Center. Prerequisite: FCD 2353 or approval of instructor.

3344 Introduction to Infant and Early Childhood Mental Health. (3-0) This course is an introduction to the interdisciplinary understanding of the social and emotional development of infants and young children within the context of the family. The role of the infant mental health specialist in strengthening the development of young children will be emphasized.

3345 Methods in Child Life. (3-0) This course focuses on the applied techniques of the Child Life profession. The course will include medical diagnosis terminology, patient assessment, therapeutic techniques and interventions utilized in child life clinical practice.

3350 Families & Sexuality. (3-0) A study of sexuality development as it relates to current critical issues for families and society.

3351 Creative Experiences: Social Studies and the Arts. (3-1) The application of methods, materials, and planning in the development of curriculum for the preschool child through language, music, literature, art, dramatic play and social studies. Participation in Child Development Center required. Prerequisite: FCD 2353 or approval of instructor.

3352 Development of Programs for Young Children. (3-0) The study of group care programs for children including development, implementation and assessment of developmentally

- appropriate programs. Various theoretical and philosophical components will be included.
- 3353 Family Life Education. (3-0) Study of relationships between core knowledge, educational practice, and audience characteristics in family life education. Translation of research-based knowledge about family life into education materials and presentations suitable for families. Opportunity to develop, implement, and evaluate a family life education presentation. (WI)
- 3354 Creative Experiences: Science and Math. (3-1) The application of methods, materials and planning in the development of curriculum for the preschool child through math, science, nutrition and outdoor play. Participation in Child Development Center required. Prerequisite: FCD 2353 or approval of instructor.
- 3355 Family Relationships. (3-0) This course will cover a broad range of research-based topics including the universality and uniqueness of American families, the establishment and maintenance of intimate relationships, family formation and parenthood, and various other aspects related to individual and family relationships over time.
- 3356 Introduction to Early Childhood Intervention. (3-0) This course provides an interdisciplinary orientation to the professional discipline of early childhood intervention and the early intervention specialist.
- 3358 Practicum in Child Development. (1-4) Structured practical experience in child development center. Prerequisites: FCD 2353, 2357, and 3351 or approval of instructor.
- 3359 Family Diversity. (3-0) This course will explore both the internal dynamics and external environments of diverse family forms — including prevalence, social conditions leading to and sustaining their existence, common stereotypes, and recent research.
- 3394 Problems in Adolescence. (3-0) A study of adolescence as it relates to current critical issues for families and society. The course will focus on specific techniques to analyze and assist the development of adolescents. Emphasis will be on theory and research as it explains the development process.
- 4301 Internship in Family and Child Development. (0-6) Internship program in Family and Child Development — related professions, services, industry, or business. Must meet college, department, and program requirements. (WI)
- 4302 Special Topics in Family and Child Development. (3-0) Designed to examine special topics in family and child development. Emphasis on current research in the field.
- 4351 Cultural Diversity of Families. (3-0) Study of family diversity through selected family science research methods and topics including family structure and function, family life patterns, multicultural groups, agents of enculturation, and family life education. Prerequisite: FCD 3355 or consent of instructor. (MC) (WI)
- 4352 Administration of Programs for Children. (3-0) Addresses the history, philosophy, and ethics of programs for young children. Emphasis on responsibilities of the child care administrator in relation to staff, budgets, facility laws, and standards of agency management. Prerequisite: FCD 2353 or approval of instructor.
- 4353 Hospitalized Child: Introduction to Child Life. (3-0) This course introduces students to theoretical and practical methods of working with children and their families in health care settings.
- 4355 Family Interaction. (3-0) Study and comparison of family interaction and process across various family structures and transitions. Investigation of interaction strategies to enhance successful family function across various family structures and transitions. Prerequisite: FCD 3355 or approval of instructor.
- 4356 Program Administration. (3-0) A study of the implementation of family and child development programs. Emphasis will be on program development, personnel and supervisory issues, financial management, grant writing, public policy, and legal and professional standards. Prerequisites: FCD 2353 and 3355 or approval of instructor.
- 4357 Comparative Studies in Child Development. (3-0) The study of early care and education systems including goals, funding and regulation through participation in international exchange programs. The role of government policies in the development and implementation of systems will be addressed.
- 4391 Independent Study in Family and Child Development. (0-6) Independent reading and/or research on a specific topic related to student's primary area of interest. Work may consist of research, reviews and integration of existing literature, or other appropriate independent work. May be repeated once for credit with approval of instructor. (WI)

Courses in Family and Consumer Sciences (FCS)

Many of the subject-matter courses in Family and Consumer Sciences are open to non-majors as electives.

- 1341 (ECON 1303) Consumers in the Marketplace. (3-0) An introduction to consumerism. Topics covered will include: the consumer's role in the economy; consumer responses to the pressures of the economy (credit, inflation, and savings); and an analysis of the largest consumer expenditures (housing, food, and transportation).
- 1347 Family and Personal Resource Management. (3-0) An analysis of family and personal management processes including resource identification and factors that impact on management and decision making. Contemporary issues in the field will be considered: changing family roles, one-parent families, aging, the handicapped, low income families, the one-person family, and alternate lifestyles.
- 3341 Family Finance. (3-0) Study of family financial management during different stages of the family life cycle at various income levels. Topics include budgeting and record keeping to achieve economic goals; the role of credit and the need for financial counseling; economic risks and available protection; and alternative forms of saving and investments. Prerequisite: FCS 1341 or consent of instructor.
- 3342 Consumer Law. (3-0) An in-depth review of the relationship between the consumer and federal and state law and policy. Includes study of both consumer protection legislation and laws which define the consumer's rights and responsibilities. Will consider the operation of government agencies and the courts in various consumer areas as well as avenues of redress on the part of the consumer. Prerequisite: FCS 1341.
- 3391 Communication Skills and Techniques. (2-2) Analysis of factors that influence program planning and application of program development to planning for groups or

- individuals with differing purposes and organizational structure. Planning, developing, and implementing the use of alternative media and methods: the use of audio-visuals; demonstration techniques; radio; and television. Emphasis on methods for use with adults.
- 4100 Professional Preparation in Family and Consumer Sciences. (1-0) Family and Consumer Sciences in the professional world and continuing education. Opportunities, interviews, and professional ethics. Development of credentials and portfolios. Required of all seniors majoring in FCS with selected minor and Consumer Science majors.
- 4101 Special Problems in Family and Consumer Sciences. (1-0) A study of selected areas of Family and Consumer Sciences. Repeatable for credit with different emphasis.
- 4301 Internship in Family and Consumer Sciences. (0-6) Internship program in Family and Consumer Science-related professions, services, business, or industry. Must meet college, department and program requirements. Repeatable for credit with different emphasis. (Capstone Course) (WI)
- 4303 Research Procedures in Family & Consumer Sciences. (3-0) The study and implementation of research procedures for use with family and consumer sciences programs. Includes instrument selection, recruitment and testing of subjects, coding, analysis and dissemination of data. Will include field based experiences using appropriate research procedures. (WI)
- 4340 International Study in Family & Consumer Sciences. (3-0) Study of Family and Consumer Sciences topics in international settings. Emphasis will be placed on cultural awareness and its application within FCS professions. Repeatable for credit with different emphasis. (MC) (WI)
- 4341 Counseling for Family Practitioners. (3-0) Family financial issues are studied with an emphasis on the role of the financial counselor. Designed to increase awareness and knowledge of the characteristics of persons in serious financial difficulties, complexity of factors affecting such situations, desirable relationships between the helper and helped, awareness of community resources. Prerequisites: FCS 1341, 3341.
- 4342 Financial Counseling Practicum. (3-0) Focus on applying financial counseling and consulting skills consistent with accepted financial counselor roles. Content includes theoretical models of financial counseling. Prerequisites: FCS 3341, 3342, and 4341.
- 4343 Occupational Education in FCS. (3-0) Its purpose is to help prepare students for teacher certification and teach occupational education content in 11-12 grade FCS classrooms. Occupational education course in 11-12 grades such as Services for Older Adults, Hospitality Services, Childcare and Guidance and Food Production, management and services are designed for students to gain extensive management skills and practical work experience. Prerequisites: FCS 3341, 3342, and 4341.
- 4347 Family Policy. (3-0) An examination of policy-making and the significance of national, state and local policies that affect families. Students will analyze social policies, including government programs and legislation, and discuss how to influence change in policies. Use of the Internet and computer software programs such as Word, PowerPoint, and others required. (WI)
- 4391 Independent Study in Family and Consumer Sciences. (0-6) Independent reading and/or research on a specific topic related to students' primary area of interest. Work may consist of research, reviews, and integration of existing literature, or other appropriate independent work. Course may be repeated once for credit with approval of instructor. (WI)
- 4681 Family and Consumer Sciences: Principles and Process. (0-6) Observation and participation in the total family and consumer science program. Requires a full day in the Teaching Center for ten weeks (five day week except for holidays in public school system). Prerequisites: FCS 3390 and completion of all required Family and Consumer Sciences courses.
- Courses in Fashion Merchandising (FM)**
- 1330 (HECO 2311) Introduction to Fashion Merchandising. (3-0) Survey of the fashion industry including an overview of the development, production and distribution of fashion goods and services.
- 1332 (HECO 1320) Textiles. (3-0) A consumer-oriented study of the relationship of fibers, fabrics, and textile product end-uses.
- 2330 Fashion Promotional Strategies I. (3-0) The study of promotional strategies unique to the fashion industry. Emphasis is placed on techniques used at the retail level. Prerequisite: FM 1330.
- 2331 Culture & Consumer Behavior. (3-0) The study of theories related to culture and appearance that influence fashion and fashion product consumption. Prerequisite: FM 1330.
- 2334 Textile Product Analysis. (3-0) The study of textile product quality control issues important to manufacturers, retailers, and consumers. Emphasis is placed on evaluating quality based on appearance, cost, durability, and end-use of textile products. Prerequisites: FM 1330 and 1332.
- 3330 Fashion Buying Principles I. (3-0) Quantitative concepts used in merchandising fashion goods with an emphasis on profitability. Prerequisites: FM 1330, MATH 1315 or 1319.
- 3331 Fashion History. (3-0) Chronological study of Western fashion through the ages. Emphasis on social, economic, and political influences on fashion development. Prerequisite: FM 1330 and 1332.
- 3332 Fashion Promotional Strategies II. (3-0) The study of promotional strategies unique to the fashion industry. Emphasis is placed on techniques initiated by manufacturers and wholesalers of fashion products. Prerequisites: FM 2330.
- 3334 Fashion Merchandising Administration. (3-0) The study of human resource management in the fashion industry including recruitment, development, assessment, and compensation. Prerequisite: FM 1330.
- 4101 Special Problems in Fashion Merchandising. (0-2) A study of selected areas of Fashion Merchandising. Repeatable for credit with different emphasis.
- 4111 Specialty Fashion Markets: Career Day. (1-0) On-site study of current textile, merchandising, retail and promotional trends and fashion career related topics. Prerequisite: FM 1330 and 1332.
- 4122 Special Events: Fashion. (1-0) The study of all facets involved in planning, organizing, and implementation of a fashion related special event. Prerequisite: FM 2330.
- 4301 Internship in Fashion Merchandising. (0-6) Internship program in fashion merchandising-related professions

- focused on production, distribution, or retailing of fashion goods, or auxiliary services. Prerequisite: Must meet college, department, and program requirements. (Capstone Course) Repeatable for credit with different emphasis. (WI)
- 4302 Special Topics in Fashion Merchandising. (3-0) An in-depth study of selected topics or emerging issues of particular relevance to Fashion Merchandising professionals. Course may be repeated for credit with a different emphasis
- 4302A Special Events Planning. (3-0) An in-depth study of selected topics and emerging issues related to the planning of special events. Emphasis will be on planning, organizing, implementing and evaluating special events.
- 4302B Specialty Fashion Markets. (3-0) An in-depth study of specialty fashion markets including historic background; significance of the market; terminology; product assortment, development, production and distribution; and trend analysis.
- 4302C Pre-history to Renaissance Textiles, Dress and Adornment. (3-0) Survey of textiles, dress and adornment from pre-history through the ancient Eastern and Middle Eastern cultures to the development of Western civilization ending with the Northern Renaissance.
- 4302D Baroque to Modern Western Dress and Adornment. (3-0) Chronological study of Western dress and adornment from the Baroque period through modern times. Emphasis on the socio-economic, political, and technological factors contributing to the evolution of fashion.
- 4302E Fashion Product Development. (3-0) Fashion product development for target markets. Emphasis on line development, product specification, color and textile selection, sizing and product costing. Prerequisites: FM 2330, 2334, and 2335.
- 4320 Fashion Merchandising in Domestic Markets. (3-0) An on-site study of domestic fashion market centers. Course examines the design, production, and distribution of fashion products and services at various market levels. Repeatable for credit with different emphasis.
- 4331 Fashion Buying Principles II. (3-0) A study of the roles and responsibilities of fashion merchandise buyers. Emphasis on retail buying functions, including developing merchandise plans, selecting products, negotiating terms, and monitoring performance. Prerequisite: FM 3330. (WI)
- 4337 Fashion Merchandising. (3-0) The study of managerial decisions in fashion retailing with an emphasis on operational issues. Prerequisites: FM 1330, 2330, 3330, and 3334, or consent of instructor.
- 4338 Enterprise Development. (3-0) Principles and procedures used in creating successful enterprises to meet consumer demand, including consumer research, logistical issues, and strategic planning. Examines various product and service offerings in traditional and non-traditional outlets. Prerequisites: ID 3323 or FM 3330.
- 4339 Fashion Economics. (3-0) Economic perspective of textile products, production and global sourcing with emphasis on U.S. fashion industries. Prerequisite: FM 1330, 1332, and ECO 2301 or 2314 and 2315. (WI)
- 4340 Fashion Merchandising in International Markets. (3-0) Study of Fashion Merchandising topics in international settings. Emphasis will be placed on market differences and cultural awareness, and the implications within Fashion

Merchandising professions. Repeatable for credit with different emphasis. (MC)

- 4391 Independent Study in Fashion Merchandising. (0-6) Independent reading and/or research on a specific topic related to students' primary area of interest. Work may consist of research, reviews, and integration of existing literature or other appropriate independent work. May be repeated once for credit with approval of instructor. Prerequisites: FM 1330 and consent of instructor. (WI)

Courses in Interior Design (ID)

- 1320 Design Graphics I. (0-6) Specialized training in manual graphic communication required in the interior design profession. Includes architectural drafting, illustrative sketching, design diagramming and schematics, and basics of orthographic and perspective drawing. Emphasizes both technical and aesthetic expression.
- 1321 Introduction to Design. (1-4) Elements and principles of design as applied to the individual and his/her environment.
- 2321 History of Interiors. (3-0) Survey of historical styles of furnishings, architecture, and interiors from the Egyptian period to the Industrial Revolution.
- 2322 Basic Interior Design. (3-0) Introductory lecture course for Interior Design majors, analyzing the elements and principles of design as applied to interior environments. Fundamentals of professional requirements, human factors, space planning, properties and applications of interior materials and systems, and components of style. Prerequisite: ID 1321.
- 2323 Design Development Studio. (0-6) Introduction to the process of design development and planning of interior space with emphasis on graphic visualization as a creative process and design tool. Prerequisites: ARTF 1302; ID 1320 and 1321.
- 2325 Materials and Sources. (3-0) An in-depth study of the materials and finishes specified for residential and commercial interiors, their performance, application, and manufacturer and vendor sources: primarily floor, wall and ceiling finishes, textiles, window treatments, and accessories. Specification writing and finish schedules are addressed. Prerequisite: ID 2322.
- 2329 Housing and the Environment. (3-0) Introduction to environmental factors related to human habitation. Investigates housing from global, ecological, social, physical, and spatial perspectives. Includes principles of sustainable resources, energy management, structural and mechanical systems, and interior materials and finishes. For Interior Design majors only or consent of instructor. (MC)
- 3220 Design Graphics II. (0-4) Student exposure to various techniques of computer integration in the design environment. Special emphasis on augmentation of the design process and presentation methodologies using digital media. Prerequisites: ID 1320, 1321, 2322.
- 3321 Contemporary Interiors and Architecture. (3-0) A survey of contemporary styles of furnishings, architecture, and interiors from the 19th century to the present. Prerequisite: ID 2321. (WI)
- 3322 Studio I: Residential Interior Design. (0-6) Beginning studio experience of various dimensions, purposes, and characters relative to the small and large residential space. Prerequisites: ID 2321, 2322, 2323, 2329; ARTC 2305. Co-requisite: ID 3325 or 3326.

- 3323 Studio II: Commercial Interior Design. (0-6) Analyzing, planning and furnishing small to moderate commercial and other non-residential spaces. Prerequisites: ID 2325, 3322, TECH 2313. Co-requisites: ID 3325 or 3326.
- 3324 Professional Practices. (3-0) A study of the business principles, ethics, and procedures for the interior designer. Prerequisite or co-requisite: ID 3322. (WI)
- 3325 Interior Lighting Design. (3-0) The study of natural and manufactured light sources relative to the interior environment. Emphasis is on light science and technology and the effects on health, behavior, color and form. Includes issues of aesthetics, energy conservation, codes, evaluation, and specifications. Prerequisites: ID 2322, 2323 or consent of instructor.
- 3326 Comprehensive Interior Design. (3-0) Advanced study of materials, systems, codes and other factors relating to public health, safety, and welfare in interior environments. Lecture and application of resources, materials and design technologies. Addresses specifying, scheduling, budgeting, and resource conservation. Prerequisites: ID 2322, 2323 or instructor consent.
- 3329 Housing, Interiors, and Furnishings. (3-0) An application of the basic design principles in planning, designing, and furnishing interiors for contemporary living to reflect function, economy, beauty, and individuality for varying income levels. For non-Interior Design majors only.
- 4101 Special Problems in Interior Design. (0-2) A study of selected areas of Interior Design.
- 4120 Portfolio Design. (0-2) Portfolio preparation and production for seeking employment with design firms. Includes instruction on graphic and publication design, business structures and portfolio strategies. For graduating interior design majors. Prerequisites: ID 3220, 4323.
- 4220 Portfolio Development. (0-4) Focuses on portfolio development in preparation for the workplace. Addresses principles of visual and verbal communication, portfolio content and presentation techniques. Requires upgrading and archiving of studio projects, and investigating alternative presentation methods. Prerequisite: ID 4323.
- 4301 Internship in Interior Design. (0-6) Internship experience in the Interior Design profession. Must meet college, department, and program requirements. (Capstone Course) Prerequisites: ID 3321, 3323, 3324, 3325, 3326. (WI)
- 4302 Special Topics in Interior Design. (3-0) Designed for Interior Design majors to thoroughly research a selected topic or emerging issue. Allows students the opportunity to specialize in an area that is not ordinarily covered in the requirements of the major.
- 4302A Historic Preservation. (3-0) Introduction to the field of historic preservation, including history, theory, planning, advocacy, law, conservation, and adaptive use, emphasizing the Secretary of the Interior's Standards for Rehabilitation. Students combine design and technical knowledge to approach historical design problems in creative, sensitive, and economical ways. Prerequisites: ID 2321, 3321, 3322.
- 4302B Digital Interior Design. (2-2) Exploration of computer technology resources, including CADD and three dimensional modeling programs, for the solution of interior design problems. Emphasis on the integration of technology as part of the design process as well as the production of presentation graphics and drawings. Prerequisites: ID 3322, TECH 2313 or consent of instructor.
- 4302C Lighting Research and Applications. (3-0) An in-depth study of light and color and its impact on people's behavior in interior environments.
- 4302D Manual Design Graphics. (3-0) Introduces illustrative sketching, three-dimensional graphics and rendering techniques of interiors. Pre-requisites: ARTF 1302, TECH 1413 and ID 1321.
- 4302E Interior Design – Critique. (3-0) Qualitative assessment of the built environment; specifically Interior Design. Basic research methodologies will be introduced. Existing critical design analysis will be studied to develop a design-analysis rubric. Site visits to conduct design analysis and written critique of a selected regional project are required. Prerequisites: ID 2323 or consent of instructor.
- 4320 Interior Design in Domestic Markets. (3-0) An on-site study of domestic design market centers. Course examines the design, production, and distribution of interior products and services at various market levels. Repeatable for credit with different emphasis.
- 4323 Studio III: Research/Environmental Design. (0-6) Specialized research in and application of factors impacting the interior environment. Includes design programming, advanced space planning, finish specifying, furnishings design and detailing, and presentation strategies through creative problem-solving. Prerequisites: ID 3321, 3323, 3325, 3326; TECH 4313.
- 4324 Studio IV: Contemporary Design Issues. (0-6) Specialized research in interior design to include design issues such as barrier free environments, medical facilities, historic preservation/adaptive re-use, international interiors, energy issues, sustainable design and design for special needs. Prerequisites: ID 4323.
- 4340 Interior Design in International Markets. (3-0) Study of Interior Design topics in international settings. Emphasis will be placed on market differences and cultural awareness, and the implications within Interior Design. Repeatable for credit with different emphasis. (MC)
- 4391 Independent Study in Interior Design. (0-6) Independent reading and/or research on a specific topic related to student's primary area of interest. Work may consist of research, reviews, and integration of existing literature, or other appropriate independent work. May be repeated once for credit with approval of instructor. (WI)

Courses in Nutrition and Foods (NUTR)

- 1162 Food Systems Laboratory. (0-2) This course provides for application of the management techniques and concepts of planning, preparation, cost analysis, and evaluation covered in NUTR 1362. Co-requisite: NUTR 1362.
- 1362 Food Systems. (3-0) Nutrition, food science, and management principles in planning, procuring, preparing, preserving, evaluating, and serving food to fulfill dietary requirements of individuals and diverse cultural groups. Includes federal legislation, environmental issues, and culinary principles. Co-requisite: NUTR 1162.
- 2162 Food Science Laboratory. (0-2) Laboratory techniques and exercises related to food, chemistry, microbiology, nutrition,

- food palatability, and food safety. Co-requisite: NUTR 2362. Prerequisite: NUTR 2360.
- 2360 (BIOL 1322) Nutrition Science. (3-0) The science of human nutrition with emphasis on nutrient digestion, absorption, and excretion; nutrient metabolism, requirements, and sources. Prerequisite: Three semester hours of science.
- 2361 Nutritional Assessment. (3-0) Principles and techniques of assessing nutritional status, presentation of interviewing and nutrition counseling theories, development of individualized treatment plans and educational tools, and accessing community nutrition resources. Practical application through assignments and in-class experiences. Prerequisites: NUTR 1362 and 2360.
- 2362 Food Science. (3-0) Scientific principles underlying the relationships among food, chemistry, microbiology, nutrition, and food safety as related to the major food groups. Prerequisites: 3 hours of chemistry or biology coursework; NUTR 2360. Co-requisite: NUTR 2162.
- 3166 Advanced Food Science Laboratory. (0-2) Different techniques and protocols used in physical, chemical, colorimetric, spectrophotometric, molecular, and microbiological analysis of food components and assessment of food quality, stability, and safety. Different bioprocessing techniques to improve the quality of food will also be performed. Prerequisites: NUTR 2162, 2362, and CHEM 2330. Co-requisite: NUTR 3366.
- 3362 Nutrition and Health. (3-0) For non-science majors. Involves the study of the nutrients and their function in promoting health throughout the life span. Includes standards for consumer selection of a proper diet and analysis of nutrition-related health problems.
- 3363 Nutrition for Wellness and Fitness. (3-0) Exploration of causes and treatment of overweight and obesity. Effect of dietary and lifestyle choices on attainment and maintenance of health and prevention of chronic diseases. Introduction of exercise physiology. Dietary recommendations for sports, fitness and prevention of eating disorders. Prerequisites: NUTR 2360, 2361, and BIO 2430, or instructor consent.
- 3364 The Science of Nutrition and Exercise. (3-0) A course focusing on basic nutritional science, with emphasis on the physiological and biochemical importance of nutrition to physical performance, health, and fitness. The use and efficacy of ergogenic aids will be investigated. The course requires reading and interpreting the scientific literature.
- 3366 Advanced Food Science. (3-0) Examination of chemistry, morphology, concentration, and compartmentalization of cellular components in food; effect of storage and processing on molecular levels of food quality; kinetic behavior, activity, and stability of food enzymes and microbes, their effect on food quality and safety. Prerequisites: NUTR 2162, 2362, and CHEM 2330. Co-requisite: NUTR 3166.
- 4101 Special Problems in Nutrition and Foods. (0-2) Independent reading and/or research on a specific topic related to students' primary area of interest. Work may consist of research, reviews, and integration of existing literature, or other appropriate independent work. May be repeated once for credit with approval of instructor.
- 4167 Food Systems-Production & Management Laboratory. (0-2) This course provides for application of the management techniques and concepts of institutional food production covered in NUTR 4367. Prerequisite: NUTR 1162, 1362 or consent of instructor. Co-requisite: NUTR 4367.
- 4301 Career Exploration in Nutrition and Food Science. (0-6) Internship program in Nutrition and Foods-related professions, services, businesses, or industry. Must meet school, department and program requirements. Nutrition and Foods internship does not qualify students for dietetic registration by The American Dietetic Association. (Capstone Course) (WI)
- 4302 Special Topics in Nutrition and Foods. (3-0) An in-depth study of selected topics or emerging issues of particular relevance to nutrition and food science professionals. Course may be repeated for credit with a different emphasis.
- 4302C Micronutrients. (3-0) A study of the biochemical and physiological foundations of nutrition. Information pertaining to biochemical structure, metabolism and physiological regulation of minerals and fat-soluble vitamins. Prerequisites: NUTR 2360 and 3365; Co-requisite: CHEM 2450.
- 4302E Community Nutrition. (3-0) A study of community nutrition programs addressing food insecurity, prevention and treatment of chronic diseases, and health promotion among special populations, including maternal, infant, child, adolescent and older adults. Review of national and international healthcare systems; program planning incorporating evidence-based intervention strategies. Prerequisite: NUTR 2360 or NUTR 3362; NUTR 4365.
- 4304 Functional Foods and Nutraceuticals. (3-0) Introduction to functional foods, nutraceuticals and dietary supplements used to prevent and treat chronic and infectious diseases. Emphasizes sources and mechanisms of action of dietary bioactives. Addresses regulatory issues that govern the development and commercialization of these compounds. Prerequisites: NUTR 2360 or 3362 and two semesters of chemistry and/or biology.
- 4350 Hospitality. (3-0) Focus on the principles underlying operations in the hospitality industry. Concepts include residential and lodging operations, guest expectations, food, beverage, and maintenance services, promotions, budget control, personnel and security.
- 4360 Medical Nutrition Therapy. (3-0) Study of the physiological and biochemical abnormalities of certain disease states of the human body's systems with emphasis on diet modification as a therapeutic measure. Prerequisites: NUTR 2360, 2361, 3365, and BIO 2430 or consent of instructor. (WI)
- 4361 Biochemical Nutrition. (3-0) A study of the biochemical and physiological foundations of nutrition. Information pertaining to cytology, biochemical structure of nutrients, energy transformations, nutrient-drug interactions, and the anatomy, physiology, and nutrient metabolism of major organ systems is covered. Prerequisites: NUTR 2360 and 3365; BIO 2430. Co-requisites: CHEM 2350 and 2150. (WI)
- 4362 Nutrition and Genetics. (3-0) This course will examine the specific processes in intermediary nutrient metabolism and their genetic regulation. The effects of nutrients on gene expression, cell signaling, cell physiology, and disease processes will also be explored. Prerequisites: NUTR 2360; BIO 2430 and 2440.
- 4363 Nutrition Counseling and Education. (3-0) Study of teaching/learning styles and development of counseling skills to

improve the nutritional status of individuals, families, and groups. Development of effective nutrition education materials and media communications. Prerequisites: NUTR 2361, 4365.

4365 Nutrition in the Life Span. (3-0) An in-depth study of the normal growth, development, and nutritional requirements associated with pre-pregnancy, pregnancy, infancy, childhood, adolescence, and the older adulthood. Prerequisites: NUTR 2360 or 3362; BIO 2430.

4367 Food Systems-Production & Management. (3-0) Principles, policies, and procedures for planning, procurement, staffing, production, evaluation, and research in institutional food service; includes systems design, decision hierarchy, organizational structure, and personnel selection, training, and management. Prerequisites: NUTR 1162, 1362, or consent of instructor. Corequisite: NUTR 4167.

4391 Independent Study in Nutrition and Foods. (0-6) Independent reading and/or research on a specific topic related to students' primary area of interest. Work may consist of research, reviews, and integration of existing literature, or other appropriate independent work. May be repeated once for credit with approval of instructor. (WI)

Department of Military Science

ARMY RESERVE OFFICER TRAINING CORPS

Frio Building 104

T: 512.245.3232 F: 512.245.3264

www.txstate.edu/armyrotc

MINOR OFFERED

Military Science

The Army Reserve Officer Training Corps (AROTC) Program at Texas State is designed to develop the professional skills vital to Army officers. The purpose of the program is to qualify students for a commission in the U.S. Army, U.S. Army Reserve, or Army National Guard.

The freshman and sophomore years of AROTC are called the Basic Course, and the junior and senior years are called the Advanced Course. Entry into the Basic Course requires no formal application; however, an interview is advisable because the student may be eligible for advanced placement. Registration is accomplished at the same time and in the same manner as for other college courses. Enrollment in the Basic Course does not confer any military status or commitment upon the cadet. Successful completion of, or constructive credit for, the Basic Course is necessary before progressing to the Advanced Course.

Students entering the Advanced Course should have two academic years remaining at Texas State. Coordination should be made with the Professor of Military Science well in advance of anticipated enrollment in order to allow adequate time for application

processing. A student may meet some prerequisites as a result of prior military training, ROTC training with any service, or successful completion of the AROTC Leader's Training Course. An interview is advisable in order to determine if a student meets any of the above prerequisites.

Students in the Advanced Course attend a summer course at Fort Lewis, Washington between their junior and senior years. The purpose of this course is to evaluate the cadets' performance in leadership positions while giving them practical field experience in a military environment.

Textbooks and materials for military science classes are furnished without cost to the student.

Some cadets are eligible to participate in the Simultaneous Membership Program, which allows them to serve in the National Guard or Army Reserve concurrently with AROTC. The Department of Military Science should be consulted for additional information regarding this program.

Army scholarships are available on a competitive basis to cadets enrolled in AROTC. These scholarships pay 100% of tuition and fees or room and board, plus a \$450 allowance per semester for books and necessary supplies. All scholarship cadets also receive the following tax-free stipend per month: freshmen, \$300.00; sophomores, \$350.00; juniors, \$450.00; and seniors, \$500.00. Eligible non-scholarship cadets who sign an AROTC contract may begin receiving the stipend during their sophomore year.

Opportunities to attend Airborne, Air Assault, and other service schools are available to eligible cadets on a competitive basis.

According to current law, up to three semester hours of credit in a junior or senior ROTC course may be applied to the history requirement and up to three hours to the government requirement (POSI 2320).

All AROTC cadets are required to attend a weekly 90-minute leadership laboratory. This gives them an opportunity to practice basic military skills and the art of leadership.

Minor in Military Science

A minor in Military Science requires 23 hours, which includes MS 1211, 1212, 2211, 2212, (or placement credit given for completing basic training or the Leader's Training Course) 3311, 3312, 4311, 4312 and one course in Military History. To be eligible to take courses 3311, 3312, 4311, or 4312 (advanced course), students must sign a contract to enter the U.S. Army, Army Reserve, or Army National Guard. Students must be medically, morally, and physically qualified and receive permission from the department chair. MS 4312 also requires that cadets qualify for an U.S. Army officer commission by submitting to and passing a thorough background investigation to obtain a Secret Security clearance.

Courses in Military Science (M S)

1000 Leadership Laboratory. (0-1) This course concentrates on practical leadership training. Must be taken concur-

rently with all other MS courses. Repeatable for credit with different emphasis.

- 1211 Foundations of Officership. (2-0) This course introduces the Army profession and the role of the commissioned officer. It focuses on leadership, ethics and military customs as well as practical skills like physical fitness and stress management. Students must enroll in MS 1000 concurrently.
- 1212 Basic Leadership. (2-0) This course is designed to broaden the introduction to the Army and the skills needed to be a successful Army officer. It focuses on leadership, communication and problem solving as well as nutrition and personal development. Students must enroll in MS 1000 concurrently.
- 2211 Individual Leadership Studies. (2-0) This course is designed to develop the student's self-confidence, leadership skills and problem solving abilities. It focuses on critical thinking, communication and conflict resolution skills.
- 2212 Leadership and Teamwork. (2-0) This course focuses on self-development guided by group processes. Experiential learning activities are designed to challenge current beliefs, knowledge and skills. This course also provides equivalent preparation for the ROTC Advanced Course and the Leaders Training Course.
- 2313 American Military Studies and Battle Analysis. (3-0) This course is designed to study Military History as it applies to the principles of war and current military doctrine. Students will analyze historical battles and lessons learned and apply them to the modern battlefield. (WI)
- 3311 Leadership and Problem Solving I. (3-0) This course is designed to enable a student without prior military experience to rapidly integrate into the cadet battalion and perform successfully. Key elements are introduction to physical fitness, how to plan and conduct training, basic tactical skills and military reasoning.
- 3312 Leadership and Problem Solving II. (3-0) This course is designed to enable a student without prior military experience to rapidly integrate into the cadet battalion and perform successfully. Key elements are introduction to physical fitness, how to plan and conduct training, basic tactical skills and military reasoning.
- 4311 Leadership and Management. (3-0) This course is designed to help cadets make informed career decisions and it continues their education in Army operation, training management, communications and leadership. (WI)
- 4312 Officership. (3-0) This course focuses on completing the transition from cadet to lieutenant. It includes a basic foundation of military law, skills and information on leadership and military science, application and demonstration of knowledge and mastery of military skills reasoning. (WI)
- 4313 Independent Study in Military Science. (3-0) This course will be designed to meet the needs of the individual student. It will be a directed and closely monitored program targeted at the students' weaknesses/interests. The course will primarily deal with topics pertinent to the military profession; such areas as leadership, management, ethics, law and their application. Course will require week/bi-weekly progress review with instructor. (WI)

Occupational Education Program

Pedernales Building

T: 512.245.2115 F: 512.245.3047

<http://www.oced.txstate.edu>

DEGREE PROGRAM OFFERED

BAAS, major in Applied Arts and Sciences

The BAAS is a nontraditional program designed to allow adult students to earn a degree with a major in an individualized academic area. In addition, it allows adults to assist in the choice of courses that would complement their career goals. The following are unique characteristics of the BAAS:

- Delivery of academic courses may be at nontraditional times, locations other than the parent campus, by DVD, and via the internet.
- Academic course work is individualized to meet student needs, but course work does not duplicate an existing traditional academic program.
- Work-life credit may be awarded for competencies gained through employment.
- The major for the BAAS is Applied Arts and Sciences and for purposes of calculation of the major GPA, the 18 hours taken in the Professional Development will be utilized.
- Numerous methods for attainment of academic credit may be employed toward the BAAS degree, including correspondence, extension courses, and credit by examination. Students may use unlimited number of CLEPs as long as the examinations meet degree plan requirements and the student obtains at least 30 hours of resident courses with Texas State.
- Students choosing the BAAS program through the Occupational Education program must complete 30 hours of residence credit with Texas State in order to be awarded the degree.
- Students who have earned at least 60 semester hours at Texas State are eligible to graduate with honors if they have a minimum Texas State GPA of 3.40.
- Due to individualization and the unique nature of the program requirements, students should consult the Occupational Education website, and attend a special orientation and degree audit report session.
- Occupational Education has specialized Career and Technology Education courses for those who desire to perform training/development in the work place or be certified in technical areas within the public school.

Bachelor of Applied Arts and Sciences
Major in Applied Arts and Sciences
Minimum required: 120 semester hours

The BAAS degree plan includes the following four modules:

Occupational Emphasis Module (48 semester hours)

This module may be satisfied by credits earned from experiential learning (work/life experience, non-collegiate sponsored instruction, credit by examination), transfer work from other accredited institutions of higher learning, or a comprehensive cooperative education program. OCED 4350 (Occupational Assessment) is the required entry course for this module.

Core Curriculum (46 plus hours)

This module may be satisfied through a number of options including traditional course work from Texas State and transfer credit from accredited institutions of higher learning plus limited numbers of hours from nontraditional methods including correspondence, extension, and forms of testing including CLEPs. See the University College section of the catalog for core requirements.

Elective Module

Elective hours to complete the 120 hour degree are chosen with the advice of the student's degree advisor.

Professional Development Module (18 hours)

Professional development sequences are individualized to students' educational needs. Students will choose courses with the assistance of the degree advisor from at least three academic departments. This module of 18 hours constitutes the major for GPA calculation purposes.

Internship

This is a required independent activity completed during the student's last semester.

- Cooperative Occupational Education Readiness (OCED 4360)
- Practicum in Cooperative Occupational Education (OCED 4361) (Prerequisite: successful completion of OCED 4360)

Foreign Language (8 hours)

Students who have not had two years of the same foreign language in high school or who do not have one year of the same foreign language from an accredited college must take the two courses of same foreign language, which may include American sign language.

Career and Technology Education

The Occupational Education Program offers teacher certification programs in the areas of trade and industrial education and marketing education. Students who desire other teaching fields must contact the College of Education. Students who choose one of the Career and Technology Education (CATE) certification sequences are prepared for employment in the public schools of Texas provided they satisfactorily complete all required courses and other Texas Education Agency criteria including two to five years of approved work experience and teaching on an emergency permit.

Prospective teachers must submit a statement of qualifications (SOQ) which can be downloaded from www.oced.txstate.edu in order to receive a deficiency plan, which identifies CATE required coursework.

Students who pursue the BAAS degree may use CATE teacher certification courses to satisfy the professional development and occupational emphasis sequences for that degree. Occupational Education approves teachers in the following areas:

Trade and Industrial Education

Trade and industrial education for secondary students includes any subject or program designed to develop manipulative skills, technical knowledge, and related information necessary for employment in any craft or skilled-trade occupation which directly functions in designing, producing, processing, fabricating, assembling, testing, maintaining, servicing, or repairing any product or commodity. Training is also available in service and certain semiprofessional occupations.

Marketing Education

Marketing Education is designed to prepare, maintain, and advance people in marketing occupations. The program of instruction is provided through high schools and adult education centers and involves a combination of the following: (1) classroom instruction in marketing or in any specialized marketing area; (2) practical and/or simulated job-oriented experiences; and (3) supervised on-the-job training.

Technological Focus

Students holding a two-year technical associates degree or work experience in a technical area may wish to pursue the BAAS with a technological focus. These students may enroll in upper- and lower-division technological coursework in the Occupational Emphasis module and also additional upper-division technological courses in the Professional Development module of the degree plan. In addition, those students with technical work experience may apply for extra institutional credits, as do other students in the BAAS degree plans.

Courses in Career and Technology Education (CATE)

- 3301 Methods of Teaching Career and Technology Education Subjects. (3-0) Introduction to fundamentals of teaching as applied to CATE subjects. Required for pre-employment laboratory teachers.
- 3302 Development, Organization and Use of Instructional Material. (3-0) The course provides the learner with opportunities to select, develop, and organize instructional materials related to the area in which the instructor provides or will provide instruction. Required for pre-employment laboratory teachers.
- 3303 Aims and Objectives of Career and Technology Education. (3-0) Basic principles involved in development and operation of CAT programs under state and federal laws. Required for pre-employment laboratory teachers.
- 3304 Human Relations for Career and Technology Education Teachers. (3-0) Combination of psychological and sociological factors which influence relationships of CATE teachers in their pursuit of professional duties. Required for pre-employment laboratory teachers.

- 3305 Shop and Classroom Organization and Management. (3-0) Organization of procedures to facilitate teaching: setting up roll-checking devices, issuing procedures for tools and materials, keeping material inventory, using assignment and progress charts, using student leadership in non-teaching class and laboratory routine, and keeping records. Required for pre-employment laboratory teachers.
- 3306 Analysis and Course Making. (3-0) Analysis made of occupations to obtain content for instructional information, jobs and operations studied to determine order and content of operation, job evaluation, and job safety. Each student will make a course of study for some particular occupational subject. Required for pre-employment laboratory teachers.
- 3307 Selection, Placement, and Follow-up in Career and Technology Education. (3-0) Selecting occupations suitable for young people to learn, placing students in suitable employment on part-time basis, coordinating their school duties with their work activities. Required for all part-time cooperative coordinators.
- 3308 Problems in Cooperative Training. (3-0) Organization and presentation of content material necessary in part-time cooperative programs, and direction of study of students engaged in such programs. Required for all part-time cooperative coordinators.
- 3313 Special Topics in Career and Technology Education. (3-0) Selected topics in CATE taught through study and research. Course can be offered as individual instruction or as an organized class. No prerequisites are required. May be repeated 3 times with different emphases for additional credit. For career advancement and application toward Bachelor of Applied Arts Sciences degree.
- 3313A Special Needs. (3-0) In-depth studies of characteristics, principles of main-streaming, developing, and implementing an individual education program; research of needs of gifted and talented students; limited English proficient and learning disabled students. Preparation of resource materials for CATE teachers.
- 3313B Using Microcomputers. (3-0) Techniques and procedures for options, implementation, software, and applications of microcomputers in career and technology education (CATE). Preparation of reference lists for CATE teachers.
- 3313C Entrepreneurship. (3-0) A study and analysis of ownership, marketing strategies, location, financing, regulations, and managing and protecting a business. Develop methodology for career and technology education (CATE) teachers.
- 3313D Leadership and Professional Development. (3-0) Course is designed to be applicable to all CATE areas in public, private, and corporate education. Course addresses professional growth for various leadership styles, developing leadership skills, and teaching leadership. Trends, policies and procedures relating to policies and procedures for school and work partnerships are addressed.
- 3313G Delivery, Design, and Management. (3-0) This is an introductory/fundamental course for instructors in trade and industrial education seeking certification and technical trainers who are not seeking certification. It is designed to prepare these individuals to apply effective teaching principles and techniques, to prepare lesson plans, and manage classrooms. Practice teaching will be included.
- 3313H Work-based Instruction. (3-0) This course is intended for teacher coordinators of work-based programs in trade and industrial cooperative education. There is an emphasis on selection of occupations and appropriate training stations, student recruitment, instructional coordination in on-the-job educational experiences, state and local report preparation and required record keeping systems.
- 3313I Profession of Teaching. (3-0) Designed to emphasize the professional requirements of teaching and training in a variety of settings. Professional topics include organizations and management of facilities, effective inventory systems, designing challenging course outlines that embrace reform efforts and industry expectations of a global economy and the information age.
- 3313J Technology in the Classroom. (3-0) This course covers the use and integration of computers and multimedia in the classroom or office. Topics include computing hardware and software, word processing, spreadsheets, databases, desktop publishing, graphics, presentation software, the Internet, email, and web-page creation. Opportunity is provided for review of SBEC examination in Trade and Industry.
- 3313K Human Problems in the Workplace. (3-0) Overview of problems that supervisors and co-workers encounter in business/industry, social service, military, or education. This range of problems interferes with communication, performance, and development of proficiency in school/work. Perspectives and reports on the incidence of these problems will be presented, as well as indicators for these human problems.
- 3320 Effective Methods of Teaching and Training. (3-0) This is an introductory/fundamental course for instructors in trade and industrial education seeking certification and technical trainers who are not seeking certification. It is designed to prepare these individuals to apply effective teaching principles and techniques, to prepare lesson plans, and manage classrooms. Practice teaching will be included.
- 3321 Work-based Learning in Career and Technology Education. (3-0) This course is intended for teacher coordinators of work-based programs in trade and industrial cooperative education. There is an emphasis on selection of occupations and appropriate training stations, student recruitment, instructional coordination in on-the-job educational experiences, state and local report preparation and required record keeping systems.
- 3322 Teaching/Training as a Profession. (3-0) Designed to emphasize the professional requirements of teaching and training in a variety of settings. Professional topics include organizations and management of facilities, effective inventory systems, designing challenging course outlines that embrace reform efforts and industry expectations of a global economy and the information age.
- 3323 Technology Applications. (3-0) This course covers the use and integration of computers and multimedia in the classroom or office. Topics include computing hardware and software, word processing, spreadsheets, databases, desktop publishing, graphics, presentation software, the Internet, email, and web-page creation. Opportunity is provided for review of SBEC examination in Trade and Industry.
- 3380 Management of Business Office Education Training Programs.

(3-0) For instructors in educational and industry settings. Identification of federal, state, and local policies, coordinating a work-based learning program, benefits of student and professional associations, importance of public relations, site visit to inspect facilities of a classroom or training facility use of technology, and program improvement and evaluation.

- 3381 Instructional Strategies in Business Office Education Training Programs. (3-0) For instructors in educational and industry settings. Identifying curriculum, individual learning styles, instructional strategies, students with special needs requiring modifications, non-gender biased instruction, appreciation of diversity, use of technology and assessment. (MC)
- 4302 Coordination Techniques. (3-0) The cooperative program in Marketing and Distributive Education; program establishment; guidance; selection; placement of students; work adjustment; student objectives; evaluation; labor laws; public relations.
- 4304 Organization and Management of Marketing Education Programs. (3-0) Organization and administrative structure in the United States; objectives; programs; practices; teacher selection and supervision; evaluative criteria for business; and distributive education requirements.
- 4310 Independent Study in Career and Technology Education. (3-0) Senior level study of various subjects important to the CATE educator. Work done on an independent study basis with permission of major advisor. Repeatable for credit with different emphasis.

Courses in Occupational Education (OCED)

Students desiring to enter the Occupational Education program must take OCED 4350 as their initial entry course. All students must have an overall transfer GPA of 2.25 and if the students have Texas State University coursework, a Texas State GPA of 2.25 is required.

- 4350 Occupational Assessment. (3-0) Theory and techniques related to the identification, documentation, and assessment of various forms of prior extra-institutional learning. Career and occupational information, career decision-making, and academic planning are included as a central part of the course. Students are encouraged to have completed their English prior to enrollment in the course. (WI)
- 4360 Cooperative Occupational Education Readiness. (3-13) This course prepares the student for supervised on-the-job experience in an occupational area. Proposal development, review of literature, creation of timelines, and task analysis are stressed. Limited on-the-job experience begins in the course. (WI)
- 4361 Practicum in Cooperative Occupational Education. (3-13) Course is supervised on-the-job experience in an occupation related to the BAAS professional development. Requires extensive reports and documentation. Prerequisites include successful completion of OCED 4360. (WI)

School of Social Work

Health Professions Building 150
T: 512.245.2592 F: 512.245.8097
www.socialwork.txstate.edu

DEGREE PROGRAM OFFERED

BSW, major in Social Work

MINOR OFFERED

Social Work

The Bachelor of Social Work with a major in Social Work, which is fully accredited by the Council on Social Work Education, prepares students to engage in entry-level social work practice, to apply for state social work licensure, and to pursue graduate social work studies. Social Work students must maintain high scholastic standards. They must also develop the capacity to work with people from all walks of life and be sensitive toward all people and the many problems they face.

Admission Process

The Social Work degree requires 54 hours in Social Work and 18 hours in supportive Social Sciences. The Social Work curriculum is based on and interwoven with the liberal arts/general education core foundation consisting of 57 semester credit hours. The Social Work major does not require a minor. Students progress through the major in three phases, without regard to disability. A social worker must be emotionally and mentally stable, must have strong communication skills, must have solid interpersonal relationship-building skills, and must conform to professional ethics. Faculty evaluate whether students meet these criteria and may advise a student at any point to continue in the BSW major or consider another major.

Phase I. (Pre-Social Work Major). Any student may declare a pre-social work major and may enroll in SOWK 1350, 2375, as well as SOWK elective courses. Social work pre-majors should complete most of their general education core/liberal arts courses before applying to Phase II of the Social Work major. They must complete at least 45 credit hours, including the following: BIO 1320, 1421; COMM 1310; ENG 1310 and 1320; HIST 1310, 1320; MATH 1315 or 1319; PHIL 1305 or 1320; SOWK 1350 and 2375; and US 1100, if required. Applicants must have a minimum 2.50 overall GPA and a minimum 2.75 GPA in SOWK and supportive courses to apply for Phase II. Students interested in Social Work must contact the College of Applied Arts Academic Advising Center for advisement.

Phase II: (Social Work Major). Students submit a formal application for admission to Phase II. An admission committee screens applicants, considering academic record and suitability for social work practice, and informs applicants in writing of their decision to admit, conditionally admit, or deny admission. When students are admitted to Phase II, their formal academic major is converted from Pre-Social Work to Social Work.

Admission into Phase II does not guarantee permission to remain in the degree program. Social Work faculty will continuously assess a student's progress. To be retained, the student must maintain the required minimum GPA of 2.50. Students must also earn a minimum grade of "C" in each social work course and each supportive social science course. To remain in Phase II, students must also adhere to the NASW Code of Ethics and demonstrate emotional or mental stability, adequate communication skills, interpersonal relationship skills, and high levels of self awareness.

Phase III: (Field Placement) Students who have completed all required courses for the BSW, excluding SOWK 4645 and 4650 (Field Placement), and who have met all the requirements noted above may apply for field placement. Students apply for field placement with the School's Field Office.

The School prefers that students take SOWK 4645 and 4650 during the same semester, which requires that the student limit his/her enrollment that semester to field placement, totaling 12 hours. Under exceptional circumstances, students may request permission to take SOWK 4645 and 4650 over two semesters (6 hours each semester).

Liability Insurance

Students who participate in field placement must purchase liability insurance, or prove that they are insured. Students may obtain information on liability insurance from the School of Social Work office.

Bachelor of Social Work Major in Social Work Minimum required: 129 semester hours							
General Requirements: 1. BIO 1320, 1421; COMM 1310; ENG 1310 and 1320; HIST 1310, 1320; MATH 1315 or 1319; PHIL 1305 or 1320; and SOWK 1350 and 2375 are required prior to application for Social Work major. 2. SOWK 2375 requires an additional 50 hours volunteering.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	BIO 1320, 1421	7	Modern Language 1420, 2310	7	Modern Language 2320	3
ENG 1310, 1320	6	ENG Literature	3	SOWK 3305, 3340, 3350, 3420, 3425, 4355	20	SOWK elective	3
US 1100	1	HP 3302	3	ENG 3303 or 3304	3	SOWK 4305, 4356, 4425	10
HIST 1310	3	HIST 1320	3	PSY 4322	3	SOWK 4645, 4650	12
MATH 1315 or 1319	3	Modern Language 1410	4				
PHIL 1305 or 1320	3	PFW one course	1				
PFW one course	1	POSI 2320	3				
POSI 2310	3	SOWK 2375	3				
PSY 1300	3	ECO 2301	3				
SOWK 1350	3	ART, DAN, MU, or TH 2313	3				
SOCI 1310	3	SOWK elective	3				
Total	32	Total	36	Total	33	Total	28

Minor in Social Work

A minor in Social Work requires 18 semester hours, including SOWK 1350, 2375, 4355, and 9 semester hours of SOWK electives from 2320, 3312, 3339, 4310, 4315, 4318, and 4320. The Social Work minor makes students aware of our society's problems, conditions, and value systems, while enhancing their growth in their chosen major fields. The minor does not prepare students for professional social work practice nor for state social work licensure.

Courses in Social Work (SOWK)

SOWK 1350 is a prerequisite to all other social work courses except SOWK 2375, 3339, 4315, 4318, 4320, and 4355.

- 1350 Introduction to Social Work. (3-0) This introductory survey course includes the nature, function, and various types of social work practice, acquainting the student with the history, scope, and values of the profession.
- 2320 Love and Relationships. (3-0) This elective course explores the nature of attraction, friendship, love, and human sexuality, enabling students to enhance their own personal and professional relationships.
- 2375 Social Services in the Community. (3-0) This undergraduate course introduces the organizations and policies involved in social services delivery. Students participate in 50 hours of work as supervised observers and volunteers in selected social service agencies.
- 3305 Seminar in Human Behavior and Social Environment I. (3-0) This undergraduate course provides an overview of human functioning in the environment by studying eco-systems and developmental frameworks. It builds knowledge and values for practice with task groups, organizations, and communities. Prerequisites: Official Social Work major; complete SOWK 3420 or instructor consent.
- 3312 Alcoholism and Chemical Dependence. (3-0) This elective course focuses on commonly used and abused drugs as well as the dynamics and treatment of addiction and alcohol abuse. It emphasizes direct social work interventions aimed at addiction prevention and treatment.
- 3339 Selected Topics in Social Work. (3-0) Students study relevant social work topics in depth. Topics, such as social work in prisons or in mental health facilities, are selected according to students' needs and professional trends. Repeatable for credit with different emphases.
- 3340 Social Work Research. (3-0) This undergraduate course builds foundation scientific research skills in critical thinking, knowledge of program and practice evaluation, and a philosophy of generalist social work practice. Prerequisites: HP 3302 or HP 3325 or CJ 3347 or PSY 3301 or SOCI 3307; official Social Work major.
- 3350 Connecting Policy and Practice. (3-0) This course describes contemporary American Social Welfare and illustrates social work professional practice within policy guidelines. It focuses on practice with involuntary clients in a variety of agency contexts. Prerequisite or co-requisite: SOWK 3420; official Social Work major.
- 3420 Social Work Practice I. (3-1) This undergraduate course studies generalist theory and application of social work practice with individuals, families, and groups, including introductory data collection, assessment, intervention planning, and evaluation. Prerequisites: Official Social Work major. (WI)
- 3425 Social Work Practice II. (3-1) This undergraduate course emphasizes generalist social work practice with task groups, organizations, and communities, examining data collection, assessment, intervention, planning, implementation, and evaluation. Students develop and implement a community-based project. Prerequisites: SOWK 3420; official Social Work major. (WI)
- 4305 Seminar in Human Behavior and Social Environment II. (3-0) This undergraduate course integrates knowledge from social sciences and SOWK 3305, focusing on individuals, families, and small groups functioning in environments. It uses a bio-psychosocial perspective, expanding on eco-systems, developmental, and values frameworks. Prerequisites: Official Social Work major; and SOWK 3305. (WI)
- 4310 Diversity and Social Justice in Social Work. (3-0) This undergraduate elective course focuses on knowledge and skills necessary for effective, ethical, and just practice, exploring interpersonal and institutional dynamics of racism, sexism, heterosexism, homophobia, classism and other forms of oppression and their effects on providing social services to diverse populations. Prerequisites: SOWK 1350. (MC)
- 4315 Child Welfare. (3-0) This undergraduate elective course analyzes child welfare services available to abused and neglected children in their own homes, in substitute care, and through the community, emphasizing social work intervention with children and their families.
- 4318 Social Work and Health Care. (3-0) This undergraduate elective course provides a generalist view of social work practice in mental health and public health, considering the social problems that affect health care, and ethical and effective intervention strategies and service delivery systems.
- 4320 Social Work with Older Adults. (3-0) This undergraduate elective gives a comprehensive introduction to contemporary social problems, values, and issues affecting older adults, and effective and ethical intervention strategies and service delivery systems.
- 4355 Policy Practice. (3-0) This course is an overview of social policy and legislation and the processes of influencing public policy. It links policy with a broad range of social work service areas. Prerequisites: SOWK 1350 and 2375 or instructor consent.
- 4356 Professionalism in Social Work. (3-0) This course builds skills in self-presentation, in taking responsibility for personal and professional growth, in learning professional behaviors in organizations, and in presenting court testimony. Prerequisite: SOWK 3425 official Social Work major.
- 4360 Directed Study in Social Work. (3-0) This one-semester undergraduate course highlights individualized reading, independent study and projects, and guided instruction. It is offered to superior students by the professor's invitation and with the consent of the BSW Coordinator. This course may not be repeated for credit. Prerequisite: official Social Work major.
- 4425 Social Work Practice III. (3-1) This undergraduate course emphasizes interpersonal and communication skills necessary for effective, ethical generalist social work practice. Students translate theory into helping behaviors through practice and feedback to develop competent skills for

beginning field placement. Prerequisites: SOWK 3425; official Social Work major. (WI)

4645 Beginning Field Practice in Social Work. (1-20) Undergraduate students engage in generalist social work in agencies, supervised by licensed social workers and the field coordinator. Students work a minimum of 270 clock hours, attend seminars, and complete assignments. Prerequisites: Completion of all Phase II course requirements, and application to field coordinator.

4650 Advanced Field Practice in Social Work. (1-20) This undergraduate course extends SOWK 4645. Students, supervised by licensed social workers and the field coordinator, apply advanced generalist techniques for a minimum of 270 clock hours, attending seminars, and completing assignments. Prerequisites: Completion of all Phase II course requirements, and application to field coordinator.

McCoy College of Business Administration

DEAN

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ASSOCIATE DEAN

Robert Davis, Ph.D.

ASSOCIATE DEAN

John McGee, J.D.

ASSISTANT DEAN

Eugene Payne, Ph.D.

ACADEMIC ADVISING CENTER

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DEPARTMENT CHAIRS

Accounting–Roselyn Morris, Ph.D.
Computer Information Systems and Quantitative
Methods–Mayur Mehta, Ph.D.
Finance and Economics–William Chittenden, Ph.D.
Management–Paula Rechner, Ph.D.
Marketing–Raymond Fisk, Ph.D.

CERTIFICATES OFFERED

Latin American Business
Computer Information Systems

Named on February 27, 2004 in honor of the generous support of Mr. and Mrs. Emmett McCoy, Texas State's Emmett & Miriam McCoy College of Business Administration provides broad-based undergraduate- and masters-level educational programs that produce graduates with the values, knowledge, and skills to help them excel in a diverse, globally-competitive environment.

Mission

The McCoy College of Business Administration is a student-centered learning community dedicated to sharing values, knowledge, and skills that enable students to compete responsibly and successfully in a global business environment. The College serves a diverse population of undergraduate and graduate students primarily from Texas. Emphasizing an applied orientation, we value teaching excellence and intellectual contributions, complemented by service.



Vision

The McCoy College of Business Administration will be recognized as a leading student-centered public college of business and a model for excellence in applied business education and research.

Values

The mission reflects the responsibility of McCoy College to make the education of its students the focus of all activities and to create and continuously improve programs that add value to students' educational experiences through relevance and quality. The foundation of the College is an enthusiastic, student-oriented faculty knowledgeable in their discipline through the pursuit of intellectual contributions, professional development, and business experience. They are active in academic, professional, and civic service, and they also mentor students and support student organizations. The following values are widely shared within the College and are fundamental to its success:

- Excellence in all endeavors through reliance on self-study and continuous improvement;
- Integrity and adherence to professional and ethical standards;
- Commitment to the personal and professional development of faculty, staff, and students;
- Responsiveness, accountability, and contribution to the community and region;
- Respect for individuals and a diverse culture that creates community among faculty, staff, and students.

Background

Established in 1958, McCoy College offers the Bachelor of Business Administration (BBA) degree with majors in accounting, computer information systems, economics, finance, management, and marketing. The management major offers a teacher certification option. The Latin American Business and Computer Information Systems certificate programs also are offered. Additionally, the College cooperates with the College of Liberal Arts in offering the Bachelor of Arts (BA) degree with a major in economics. The BBA degree does not require a minor. Non-business majors may choose business administration as their minor.

The learning environment of McCoy College places primary importance on teaching excellence and intellectual contributions complemented by service. This environment prepares students for careers in both the private and public sectors. The curriculum

addresses the economic, legal, political, social, technological, and demographically diverse environment in which modern business is conducted. This environment emphasizes comprehensive learning that combines general education and professional studies in business. The core requirements cover the main functional areas of business, and specialized study in one of six traditional business majors provides knowledge upon which to build a career.

McCoy College, accredited by AACSB-International, The Association to Advance Collegiate Schools of Business, serves over 3,500 undergraduate and graduate business students and has five academic departments: Accounting, Computer Information Systems and Quantitative Methods, Finance and Economics, Management, and Marketing.

McCoy College is entitled by its designation as an AACSB-International accredited school to have Beta Gamma Sigma as its honorary business society. The university chapter has been in existence since 1997. In the College, the top 10% of juniors, top 10% of seniors, and top 20% of graduate students are invited to join.

McCOY COLLEGE OF BUSINESS ADMINISTRATION

Admission Policy

Admission to the College is competitive, and a student must be admitted to the College to pursue a BBA degree. For current Texas State students, applications are available online at <http://advising.mccoy.txstate.edu/apply>. For students not yet admitted to the University, applications are available online at www.applytexas.org. Students should list a business major as their first major choice. The deadline for application is October 15 for spring admission and March 15 for summer and fall admission.

Freshmen and Students with fewer than 30 Semester Hours

Students are automatically admitted if their SAT I score is 1200 (Critical Reasoning + Math) or greater, if their ACT score is 27 or greater, or if the student graduated in the top 25% of their high school class. All other applicants will be considered for the remaining openings through a review process. The competitive admission index is based on a combination of a student's high school academic record and standardized test score (SAT I or ACT). Students who are admitted to the University but denied admission to a business degree program will be considered for admission to their second choice major or as an undeclared major.

Students with 30 or more Semester Hours

Students who have not been admitted to McCoy College and have completed at least 30 semester hours either at Texas State or another college or university including English 1310, English 1320, and Math 1329 will be considered for admission based upon a competitive index using the grades from English 1310, English 1320, Math 1329, and the overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.0 or higher and have completed English 1310, English 1320 and Math 1329.

Restricted Status

Any business student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by

McCoy College. Business majors on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to the College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. Students may regain admission to the College by going through the application process and competing with other applicants for openings.

General Requirements for the BBA Degree

All students seeking the BBA must complete (1) the general education core curriculum prescribed by Texas State, (2) a common core of business courses outlined by McCoy College, (3) courses in the major program area specified by the appropriate academic department, and (4) a combination of free electives and restricted upper-division business electives to complement the degree program and achieve a minimum total of 120 semester hours. To ensure compliance with the course requirements for a BBA degree, business students should follow the general sequence of courses specified for the business curriculum in this section of the catalog.

To be eligible to enroll in upper-division business courses, all students must satisfy stated course prerequisites, be in good academic standing (a Texas State GPA greater than or equal to 2.0), and have completed at least 60 semester hours.

Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language.

Fifty Percent Requirement

At least 50% of the semester hours in business required for the College's various degree programs must be completed in residence at Texas State.

Common Business Core

To provide a common body of knowledge in business, all students seeking the BBA are required to complete the following courses or their equivalents:

ACC 2361, ACC 2362, CIS 1323, ECO 2314, ECO 2315, BLAW 2361, QMST 2333, MGT 3303, MKT 3343, CIS 3380, FIN 3312, MGT 3353, and MGT 4335.

Community/Junior College Transfers

Community/junior college students who plan to transfer to McCoy College are advised to pursue the business curriculum outlined in this section. The appropriate course equivalency guide and/or transfer planning guide should be consulted to resolve questions of course transferability. Courses acceptable for transfer by Texas State will transfer at the level at which the courses were taken (i.e., acceptable courses from a community/junior college transfer as freshman or sophomore courses and cannot be used to satisfy junior/senior-level requirements). A maximum of 66 hours from an accredited community/junior college may be applied to a business degree. This policy is consistent with the transfer curriculum for business administration adopted by the Texas Higher Education Coordinating Board.

Grade-Point Average for Graduation

Students must achieve the following minimum grade-point averages: (1) 2.00 on all credit course work completed at Texas State and (2) 2.25 in the business course work (common business core, department major courses and restricted advanced business electives). Students seeking teacher certification are subject to additional GPA requirements as determined by the College of Education.

Writing Intensive Hour Requirement

Nine hours of designated "writing intensive" (WI) courses must be completed at Texas State to satisfy degree requirements.

Academic Advising Center

The McCoy College Academic Advising Center is an accessible, student-centered support service dedicated to encouraging the academic success of Texas State students by providing official and accurate academic guidance. The services available for students include information sheets for schedule-building and degree requirements, an on-call advisor to address frequently asked questions, one-on-one advising sessions by appointment, registration advising sessions at the beginning of early registration, and the certification of undergraduate graduation applicants. For a complete description of advising services and student responsibilities refer to the McCoy College Academic Advising Syllabus which is available for download at <http://advising.mccoy.txstate.edu/about/syllabus.html>. Students are required to show their Texas State ID to speak with an advisor about specific academic information.

Latin American Business Certificate Program

The Latin American Business (LAB) Certificate program is an innovative undergraduate program in international business offered by McCoy College. Both interdisciplinary and Latin American in its orientation, the LAB Certificate program offers Texas State students the opportunity to acquire a multi-discipline knowledge base in international business, Latin American studies, and the Spanish language as a complement to their major. The LAB Certificate recognizes the accomplishments of students who have successfully completed a program of study designed to meet the challenges of doing business in and with Latin America.

Requirements for the LAB certificate program include 21 hours of course work (15 hours of required courses, and 6 hours of elective courses) that may be accommodated within the 120 hours required in the undergraduate curriculum for most majors. Although enrollment may take place any time during an undergraduate program, students are encouraged to enroll while a freshman in order to facilitate integration of the certificate requirements within the regular undergraduate program. Required courses are: MKT 4310; MGT 3375; ECO 3320; SPAN 3311, 3312. Elective courses include: BLAW 3363; ECO 3317 and 4390; FIN 4331; GEO 3308; HIST 3324; POSI 4358; or SPAN 3371.

Enrollment in the LAB Certificate program is open to business majors, non-business majors, and post-baccalaureate students who satisfy individual course prerequisites and who are in good academic standing (not on probation) at Texas State. Post-baccalaureate students are encouraged to obtain information on the Master of Business Administration degree with a Latin American Business

Emphasis. More information is available in the Department of Finance and Economics McCoy Hall 504.

Certificate in Computer Information Systems

The Department of Computer Information Systems and Quantitative Methods offers an intensive program leading to a Certificate in Computer Information Systems (CIS). The program is directed at students who wish to gain information technology (IT) exposure without having to pursue a full degree program in computer information systems. The primary objective of the program is to offer an option to non-IT professionals and non-CIS majors to gain an initial expertise in the use of information technology to develop computer-based business information systems. The students seeking a Certificate must apply for admission in the Department of Computer Information Systems and Quantitative Methods prior to taking any courses and successfully complete 18 semester hours of course work in information technology (IT). These include 12 semester credit hours of required core CIS courses and 6 semester credit hours of CIS advanced elective courses. Required courses include CIS 2324, 3325, 3374, and 3382. Elective courses may be selected from CIS 3360, 3372, 3375, 3389, 3390, 4318, 4322, 4332, 4348, 4349, 4350, 4358, and 4360. Students interested in pursuing the certificate program should contact the Chair of Computer Information Systems and Quantitative Methods, McCoy Hall 404.

Minor in Business Administration

An undergraduate major of your choice combined with a business administration minor can be beneficial. The minor requires the completion of 18 semester credit hours including ACC 2301 (or both ACC 2361 and 2362); ECO 2301 (or both ECO 2314 and 2315); and 12 hours chosen from BLAW 2361, CIS 3317, FIN 3325, MGT 3303, or MKT 3343.

Courses in Business Administration (B A)

4300 Independent Study in Global Business. (3-0) This study abroad course introduces students to the international business environment. Topics include cultural, political, social, and economic factors affecting international business, and the regulatory and ethical environment of global businesses.

Department of Accounting

McCoy Hall 431

T: 512.245.2566 F: 512.245.7973

www.accounting.mccoy.txstate.edu

DEGREE PROGRAMS OFFERED

BBA, major in Accounting

BBA/MAcy, major in Accounting

Consistent with the mission of the McCoy College of Business Administration, the mission of the Department of Accounting is to prepare students for successful careers by providing high-quality instruction, curricula, intellectual contributions, and service. The accounting curriculum provides a broad education in theory, ethics and practice. The curriculum exposes students to the

Internet and computer software (e.g. word processing, spreadsheet, accounting and tax applications). Students completing the four-year prescribed program of study earn the Bachelor of Business Administration degree with a major in accounting. Career options include accounting for corporations, industry, governmental, and other not-for-profit organizations.

Current law requires 150 semester credit hours, including 30 hours of upper-division accounting (including a research course), and 24 hours of upper-division related business courses (including business communications) to take the Uniform CPA Examination in Texas. Students may contact the Texas State Board of Public Accountancy at (512) 305-7870 or at <http://www.tsbpa.state.tx.us>. Although these hours may be satisfied with undergraduate courses, the Department provides a 150 hour 5-year integrated Bachelor of Business Administration/Master of Accountancy program with majors in accounting (BBA/MACY). This program offers greater opportunities for initial employment and career success. Career options include positions in public accounting such as auditing, tax, and management consulting, in addition to those available to four-year graduates.

For the BBA/MACY, each student is required to take the Graduate Management Admission Test (GMAT), apply for admission to the Texas State Graduate College and be accepted into the Graduate School of Business before taking graduate courses. The official results of the GMAT must be on file in the Graduate College before your application for admission will be considered. Please

note that it takes two to four weeks for the official scores to reach the Graduate College. If you have taken the GMAT some years ago and the Educational Testing Service can no longer report your official GMAT score, you must retake the GMAT so that you can have a current valid score submitted. GMAT score reports, which bear the designation of the applicant's copy, are not considered official scores for admission purposes. Information bulletins and test application forms may be obtained from the Educational Testing Service, P.O. Box 6103, Princeton, New Jersey 08541-6103, U.S.A., or from the Internet at www.gmat.org. Application materials must be submitted to the Graduate College no later than the following deadline dates to ensure processing for the desired semester. Deadline dates are subject to change. The first graduate courses are normally taken the second semester of the senior year. For advising, students should contact the Graduate School of Business, (512) 245.3591, or McCoy Hall 530.

Fall Semester	June 1
Spring Semester	October 1
Summer Session I	April 1

Please refer to the Texas State graduate catalog for additional information.

Bachelor of Business Administration Major in Accounting Minimum required: 120 semester hours							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ACC 2361	3	ACC 2362	3
POSI 2310	3	HIST 1310 (WI at Texas State)	3	ECO 2314	3	ECO 2315	3
MATH 1329	3	PHIL 1320 (WI)	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	BLAW 2361	3
Natural Science Component	3-4	Natural Science Component	4	HIST 1320 (WI at Texas State)	3	POSI 2320	3
Physical Fitness & Wellness (PFW)	1	Physical Fitness & Wellness (PFW)	1	QMST 2333	3	COMM 1310	3
US 1100	1	CIS 1323 (Can test out for a fee)	3				
Total	14-15	Total	17	Total	15	Total	15
Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ACC 3313	3	ACC 3314	3	ACC 3363	3	ACC 4313 (WI)	3
ACC 3365	3	ACC 3385	3	ACC 4328	3	Free Electives	7-8
CIS 3380	3	Free Elective	3	Free Electives	6	MGT 4335 (WI) (Capstone)	3
FIN 3312	3	ART, DAN, MU, or TH 2313	3	MKT 3343	3		
MGT 3303	3	MGT 3353	3				
Total	15	Total	15	Total	15	Total	13-14

Bachelor of Business Administration/Master of Accountancy Program Major in Accounting (5-year Integrated) Minimum required: 153 semester hours							
General Requirements: 1. Students may not designate this degree option until the second semester of their junior year and successful completion of ACC 3313 with a grade of "B" or higher. 2. Some graduate level accounting electives are offered only one semester a year. Please see a graduate accounting advisor for scheduling assistance.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ACC 2361	3	ACC 2362	3
POSI 2310	3	HIST 1310 (WI at Texas State)	3	ECO 2314	3	ECO 2315	3
MATH 1329	3	PHIL 1320 (WI)	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	BLAW 2361	3
Natural Science Component	3-4	Natural Science Component	4	HIST 1320 (WI at Texas State)	3	POSI 2320	3
Physical Fitness & Wellness (PFW)	1	Physical Fitness & Wellness (PFW)	1	QMST 2333	3	COMM 1310	3
US 1100	1	CIS 1323 (Can test out for a fee)	3				
Total	14-15	Total	17	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ACC 3313, 3365	6	ACC 3314, 3385	6	ACC 3363	3	ACC 4313 (WI)	3
CIS 3380	3	Free Electives	6	ACC 4328	3	ACC 5315	3
FIN 3312	3	MGT 3353 (WI)	3	BLAW 3362	3	ACC Elective (graduate-level)	3
MGT 3303	3	ART, DAN, MU, or TH 2313	3	Free Electives	6	MGT 4335 (WI)	3
				MKT 3343	3	Free Elective	1-2
Total	15	Total	18	Total	18	Total	13-14

Graduate Year - 1st Semester		Graduate Year - 2nd Semester	
Course	Hr	Course	Hr
ACC Elective (graduate)	3	ACC 5389 (graduate)	3
ACC 5320	3	ACC Electives	6
ACC 5366	3	ACC or Business Elective	3
ACC 5371	3	ACC 5350 or 5372	3
Total	12	Total	15

Courses in Accounting (ACC)

To enroll in upper-division accounting courses, students must satisfy all prerequisites, be classified as a junior or senior, and be in good academic standing.

2301 Accounting in Organizations and Society. (3-0) Introductory accounting course for non-business majors. Describes the role of accounting as an information system essential for the operation of today's organizations. Focus is on (1) how data is captured and processed to provide information for decision-making, and (2) how the information provided can be used for decision-making.

2361 (ACCT 2301) Introduction to Financial Accounting. (3-0) An introduction to financial accounting concepts and their application in the accounting process for business organizations, including financial statement preparation, analysis and

communication of financial information and related ethical responsibilities. Prerequisite: MATH 1319 or equivalent.

2362 (ACCT 2302) Introduction to Managerial Accounting. (3-0) An introduction to the use of accounting information as an aid to management decision making, budgeting, and the control process, including accounting reports, and related ethical responsibilities. Prerequisite: ACC 2361 and MATH 1319.

3313 Intermediate Accounting I. (3-0) An in-depth study of accounting concepts and standards with emphasis on current theory and practices relating to corporate financial statements particularly stressing asset measurement and presentation. Prerequisite: ACC 2361 with a grade of "C" or higher.

Department of Computer Information Systems and Quantitative Methods

McCoy Hall 404

T: 512.245.2291 F: 512.245.1452

www.cis.txstate.edu

DEGREE PROGRAM OFFERED

BBA, major in Computer Information Systems

The mission of the Department of Computer Information Systems and Quantitative Methods is to provide optimal educational opportunities to students wishing to pursue professional careers related to information systems and information technology. The department strives to create an environment for preparing individuals for a lifetime of learning and growth by producing graduates who understand the concepts and uses of information technology and are capable of applying these concepts to business and government.

The computer information systems curriculum provides a strong foundation in the concepts and applications of information systems and technology in organizations. It gives CIS majors the opportunity to study enterprise design, business intelligence, database development, network and security administration, programming languages, and the integration of hardware and software systems with management practices. Students completing the prescribed program of study earn the Bachelor of Business Administration degree with a major in Computer Information Systems. CIS graduates pursue careers as IT integrators, global enterprise system architects, database administrators, network administrators, information security analysts, business systems analysts, application developers, digital-business solution developers, and information systems managers. Graduates work for technology companies, government agencies, accounting firms, oil companies, financial and insurance institutions, retail firms, manufacturing concerns, and consulting companies. Many of these are global enterprises.

- 3314 Intermediate Accounting II. (3-0) A study of accounting problems related to liability measurement, determination of stockholders' equity, earnings per share, leases, revenue recognition, the preparation of the Statement of Cash Flows, financial statement analysis, and accounting for changing prices. Prerequisite: ACC 3313 with a grade of "C" or higher.
- 3363 Governmental Accounting. (3-0) A study of concepts and techniques of fund accounting, and financial reporting for governmental and not-for-profit organizations including state and local government, universities, hospitals, and other public sector entities. Prerequisite: ACC 3313 with a grade of "C" or higher.
- 3365 Cost/Managerial Accounting. (3-0) The study of cost/management accounting within the manufacturing and merchandising environment. Includes the analysis of cost accumulation, planning, and control within the organization. Specific topics emphasized are job order and process costing; standard costing, standard costing and variance analysis; absorption and direct costing; budgetary procedures; cost/volume profit analysis; and capital budgeting techniques. Prerequisites: QMST 2333; ACC 2362 with a grade of "C" or higher, and completion or concurrent enrollment in ACC 3313.
- 3385 Accounting Systems. (3-0) A study of elements of theory, procedures, and practice relating to system design and implementation for manual and computerized accounting information systems. Emphasis placed on system selection, data entry, file structure, internal control implementation, and report generation for various information end-users. Prerequisites: ACC 3313 with a grade of "C" or higher; CIS 3380.
- 4313 Internal Audit and Controls. (3-0) A study of the theory and practices relating to internal auditing. The course emphasizes the procedures used to evaluate and improve the effectiveness of risk management and control processes, including prevention and detection of fraud. Prerequisite: ACC 3314 with a "C" or higher.
- 4328 Survey of Income Tax. (3-0) An introduction to Federal income tax provisions, concepts and issues concerning individuals, business and property transactions. The coursework focuses on income and expense recognition as well as tax planning opportunities. Prerequisite: ACC 3313.
- 4390 Special Topics in Accounting. (3-0) The study of selected topics in accounting.
- 4390A International Accounting. (3-0) An introduction to accounting issues unique to multinational enterprises and international business activity. Comparative financial accounting practices across different countries will be addressed, as well as the development of international accounting standards. Students taking ACC 4390A for credit may not take ACC 5390A for graduate credit. Prerequisite: ACC 3313. (MC)
- 4390B Internal Controls for Managers. (3-0) A study of the conceptual and applied theories of internal control to help managers understand and implement controls to achieve objectives, corporate governance, and evaluate risk management processes. Prerequisite: ACC 2362.

Bachelor of Business Administration Major in Computer Information Systems Minimum required: 120 semester hours							
General Requirements: 1. CIS advanced electives are to be chosen from: CIS 3360, 3375, 3389, 3390, 4318, 4322, 4332, 4348, 4349, 4350, 4358 and 4360. 2. Restricted advanced business electives: ACC 3313, BLAW 3362, ECO 3335, FIN 3313, MGT 3360, 3361, 4375, MKT 3370, 3387, and 4310.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ACC 2361	3	ACC 2362	3
POSI 2310	3	HIST 1310 (WI at Texas State)	3	ECO 2314	3	ECO 2315	3
MATH 1329	3	PHIL 1320 (WI)	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	CIS 2324	3
Natural Science Component	3-4	Natural Science Component	4	HIST 1320 (WI at Texas State)	3	POSI 2320	3
Physical Fitness & Wellness (PFW)	1	Physical Fitness & Wellness (PFW)	1	QMST 2333	3	COMM 1310	3
US 1100	1	CIS 1323 (Can test out for a fee)	3				
Total	14-15	Total	17	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BLAW 2361	3	QMST 3334	3	Restricted Business Elective	3	CIS Advanced Electives	9
CIS 3325	3	CIS 3382	3	CIS Advanced Electives	6	MGT 4335 (WI at Texas State)	
CIS 3374 (WI at Texas State)	3	FIN 3312	3	ART, DAN, MU, or TH 2313	3	(Capstone)	3
CIS 3380	3	MGT 3353 (WI at Texas State)	3	Free Elective	3	Free Elective	1-2
MGT 3303	3	MKT 3343	3				
Total	15	Total	15	Total	15	Total	13-14

Courses in Computer Information Systems (CIS)

To enroll in upper-division computer information systems courses, students must satisfy all prerequisites, be classified as a junior or senior, and be in good academic standing.

- 1323 (BCIS 1305) Introduction to Microcomputer Applications. (3-0) This course develops advanced information technology skills, focusing on office productivity software. Primary emphasis is placed on spreadsheet, database, and presentation software. Advanced techniques are presented for use in data analysis and decision-making. Students will be expected to demonstrate mastery of these techniques in a hands-on environment.
- 2324 (BCIS 2316) Visual Programming I. (3-0) An introduction to application program development to include requirement analysis, design, implementation, and testing. A blend of structured and object-oriented concepts is used to form solutions to business problems using a visual programming language. Prerequisite: CIS 1323.
- 3317 E-Business. (3-0) Explores the constantly changing world of e-Business from an international perspective. This course will emphasize e-Business challenges and opportunities in the worldwide marketplace, while focusing on global issues of management, implementation, and integration of IT resources. Does not count for CIS advanced elective credit. (MC)
- 3325 Visual Programming II. (3-0) An advanced visual programming course covering topics related to the design and implementation of user interface, business logic and data access

in a tiered architecture. The emphasis is on techniques that take advantage of a development framework through the use of forms, classes, and objects. Prerequisite: CIS 2324.

- 3360 e-Business Applications Design and Development. (3-0) The course focuses on designing effective e-business applications to support the e-business strategy of a company. It covers e-business models, business solution delivery strategy, web required architectures, and development and deployment of dynamic, multi-tiered, transaction-oriented, e-business applications in a business-to-business environment. Prerequisite: CIS 3325 and ACC 2362.
- 3374 System Analysis & Design. (3-0) The analysis and general design phases of the system development life cycle are reviewed. Emphasis on techniques and tools for determining systems requirements that lead to the development of logical design models using structured and object-oriented methodologies. (WI)
- 3375 File Processing with COBOL. (3-0) Basic features of the COBOL language. Emphasis is on structured program development and file processing. Topics include file processing, sort feature, and subprograms. Prerequisite: CIS 3325.
- 3380 Enterprise Information Technology and Business Intelligence. (3-0) Students will extend their ability to effectively use integrated software applications to identify and provide access to various information sources. The course will focus on applying information and Internet Technologies that span normal business functions for the development and implementation

- of solutions to managerial problems. Prerequisites: CIS 1323, MATH 1329, and QMST 2333.
- 3382 Computer Data Base Systems. (3-0) Concepts and methodology of planning, design, development, and management of the computerized data base. The emphasis is on logical database design and a study of relational implementation. A relational DBMS with a relational query language is used for the development of a business application system. Prerequisites: CIS 3374 and 3380.
- 3389 Business Application Programming III. (3-0) This course will continue the study of business-oriented software development using an object-oriented programming language. Topics covered will include client/server object relationships, inheritance, polymorphism, encapsulation, inner classes, threads, GUI design, and the use of event models. Prerequisite: CIS 3325.
- 3390 Project Management for Business Professionals. (3-0) An introduction to project management body of knowledge as applied to Information Technology with emphasis on the management of scope, costs, schedules, quality and risks. Program management, system methodologies, material procurement, human, and international issues will be examined from the perspective of their impact on functional disciplines in the organization.
- 4318 Advanced Business Application Development. (3-0) Advanced use of information technology in the design and implementation of business applications to support electronic commerce. Concepts, methodology, and toolsets for designing, implementing, and management of applications in Business-to-Business paradigm. Prerequisites: CIS 3382 and CIS 3325 or 3389.
- 4322 Computer System Development and Design. (3-0) A course that integrates systems development with analysis, design, project management, and the systems development life cycle. Object-oriented methods and UML models will be used to develop a project for a client. Students will select methodology, platform, and development technology based on client requirements. Prerequisites: CIS 3325 and 3382.
- 4332 Enterprise Resource Planning Systems. (3-0) The use of advanced information technology for integrating business functions in an enterprise through distributed databases is emphasized. Methodology and tools for the selection and implementation of Enterprise Resource Planning (ERP) systems are discussed. Students will use available ERP software to create, track and communicate enterprise information. Prerequisite: CIS 3380.
- 4348 Fundamentals of Data Communications. (3-0) A course oriented to the technical concepts of data communications and network designs and how they relate to contemporary computer end-user environments. It incorporates the systems approach for understanding, designing, managing, securing, and implementing data communication networks. Students will analyze and design data communication networks for various business situations.
- 4349 Advanced Database Management Systems. (3-0) This course introduces advanced concepts and database processes to support applications for Business Intelligence. Multi-dimensional modeling along with database, reporting, and analysis capabilities of a modern database environment will be used to design and develop stored procedures, views, user-defined functions, reports and multi-dimensional information cubes. Prerequisite: CIS 3382.
- 4350 Information Systems Security. (3-0) This course focuses on the technology and managerial issues related to information systems security. Topics include: Attack methods, access control, authentication, firewalls, incident and disaster response, disaster recovery, security function management, and cryptography. Prerequisite: CIS 4348.
- 4358 Network Administration. (3-0) This course provides students with an understanding of the responsibilities assigned to network administrators. Students will acquire a working knowledge of these responsibilities and skills using tools and technologies for administering enterprise networks via network operating systems commonly used in modern business enterprises.
- 4360 Developing Business Solutions for the Enterprise. (3-0) An introduction to the concepts, methodology, and toolsets for the architecture, design, implementation, and deployment of business solutions for the enterprise in a services-oriented computing environment. Topics include services-oriented architecture, "Software as a Service" framework, n-tier development of business and data services, and application security. Prerequisites: CIS 3325 and 3382.
- 4373 Special Topics in Computer Information Systems. (3-0) The study of advanced concepts and techniques of computer information systems. Content will vary according to the needs and interests of the students, and according to the latest state-of-the-art in computing. Prerequisite: Consent of the chair of the department.
- 4395 Independent Study in Computer Information Systems. (3-0) An in-depth study of a single topic or related problem solved through computer information systems research. May be repeated once for credit with a different emphasis. Prerequisite: Consent of instructor and department chair.
- 4399 Computer Information Systems Internship. (0-15) A one-semester course involving an internship in business information systems. Emphasis is on the application of computer information systems theory to business problems in the area of computer based management information systems. Prerequisite: Specified by employer with consent of instructor and department chair; Junior or senior standing.

Courses in Quantitative Methods (QMST)

- 2333 Business Statistics. (3-0) A basic introductory course covering descriptive and inferential statistical techniques for business and economic decision making. Topics include measures of central tendency and dispersion, probability distributions, sampling distributions, confidence intervals, hypothesis testing, simple linear regression, and correlation analysis. Prerequisites: CIS 1323; MATH 1329.
- 3334 Intermediate Business Statistics. (3-0) Students will learn to apply a broad range of statistical analysis techniques using statistical software in business decision-making. Topics include applied modeling techniques, such as regression modeling, time-series modeling and analysis of variance; non-parametric methods; quality control; and simulation. Prerequisite: QMST 2333.

Department of Finance and Economics

McCoy Hall 504

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www.fin-eco.mccoy.txstate.edu

DEGREE PROGRAMS OFFERED

BA, major in Economics

BBA, major in Economics

BBA, major in Finance

MINOR OFFERED

Economics

The mission of the Department of Finance and Economics is to provide students involved in its educational programs an opportunity to recognize the importance of the life-long pursuit of truth, acceptance of individual responsibility, and contribution to the common good of society. Departmental programs seek to develop informed, critically thinking citizens capable of functioning in a highly complex, interdependent, global society. Majors are

prepared for service, technical analysis, and management positions found in corporate, financial and public institutions. Majors also are prepared for financial planning services, teaching, and various graduate school programs.

The Department includes two closely related disciplines-finance and economics. Economics studies the use of scarce resources to satisfy unlimited wants. The department's introductory courses meet the need for basic economic and legal understanding in a complex modern society. Upper-division economics and business law courses build upon this foundation. Finance addresses the behavior and determinants of securities prices, portfolio management, and the management of corporate and public funds. In addition, the relationships among monetary policy, the banking system, and financial markets are analyzed.

Students completing one of the three curricula offered by the department earn a Bachelor of Business Administration with a major in either economics or finance, or they may earn a Bachelor of Arts with a major in economics. Finance graduates pursue careers in financial management, banking and other financial institutions, the securities industry, financial planning, and real estate. Economics graduates follow career paths similar to finance majors. Those with the BA degree often enter graduate or law school.

Bachelor of Business Administration Major in Finance Minimum required: 120 semester hours							
General Requirements:							
1. FIN advanced electives are to be chosen from: FIN 4317 (WI), 4318, 4320, 4321, 4322, 4325, 4331, or 4380.							
2. ACC advanced electives are to be chosen from: ACC 3314, 3365, 3385, or 4328.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ACC 2361	3	ACC 2362	3
POSI 2310	3	HIST 1310 (WI at Texas State)	3	ECO 2314	3	ECO 2315	3
MATH 1329	3	PHIL 1320 (WI)	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	BLAW 2361	3
Natural Science Component	3-4	Natural Science Component	4	HIST 1320 (WI at Texas State)	3	POSI 2320	3
Physical Fitness & Wellness (PFW)	1	Physical Fitness & Wellness (PFW)	1	QMST 2333	3	COMM 1310	3
US 1100	1	CIS 1323 (Can test out for a fee)	3				
Total	14-15	Total	17	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MKT 3343	3	ACC Advanced Elective	3	Free Elective	3	Free Electives	4-5
ECO 3311	3	ECO Advanced Elective	3	CIS 3380	3	FIN Advanced Elective	6
ACC 3313	3	FIN 3313	3	FIN 4319	3	MGT 4335 (WI at Texas State) (Capstone)	3
FIN 3312	3	FIN 3316	3	MGT 3353 (WI at Texas State)	3		
MGT 3303	3	FIN 3318	3	ART, DAN, MU, or TH 2313	3		
Total	15	Total	15	Total	15	Total	13-14

Bachelor of Business Administration Major in Economics Minimum required: 120 semester hours							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ACC 2361	3	ACC 2362	3
POSI 2310	3	HIST 1310 (WI at Texas State)	3	ECO 2314	3	ECO 2315	3
MATH 1329	3	PHIL 1320 (WI)	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	BLAW 2361	3
Natural Science Component	3-4	Natural Science Component	4	HIST 1320 (WI at Texas State)	3	POSI 2320	3
Physical Fitness & Wellness (PFW)	1	Physical Fitness & Wellness (PFW)	1	QMST 2333	3	COMM 1310	3
US 1100	1	CIS 1323 (Can test out for a fee)	3				
Total	14-15	Total	17	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CIS 3380	3	ECO 3315	3	Business, Advanced Elective	3	Free Electives	1-2
ECO 3314	3	ECO Advanced Elective	3	ECO Advanced Elective	3	Business, Advanced Electives	6
ECO Advanced Elective	3	Free Elective	3	MGT 4330 or FIN 3316 or QMST 3334	3	ECO Advanced Elective	3
Free Elective	3	FIN 3312	3	MKT 3343	3	MGT 4335 (WI at Texas State)	
MGT 3303	3	MGT 3353 (WI at Texas State)	3	ART, DAN, MU, or TH 2313	3	(Capstone)	3
Total	15	Total	15	Total	15	Total	13-14

Bachelor of Arts
Major in Economics
Minimum required: 120 semester hours

The following requirements apply to all Bachelor of Arts programs:

GPA Requirement - To be eligible to declare the BA in Economics students must be in good academic standing.

Minor Requirement - A minor is required and may be selected from any of the Texas State approved minors.

Science Requirement - In addition to completing the mathematics and natural science requirements of the general education core curriculum, students must complete one additional science course (3-4 hours) from anthropology (physical anthropology only), biology, chemistry, computer science, geography (physical geography only), mathematics, philosophy (logic only), and physics.

Modern Language Requirement - A proficiency level of successful completion of Arabic, French, German, Italian, Japanese, Latin, Portuguese, or Spanish 2310 and 2320. Most students will need to complete 1410 and 1420 as prerequisites before attempting 2310.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ECO 2314	3	ECO 2315	3
POSI 2310	3	HIST 1310 (WI at Texas State)	3	ENG Literature	3	BA Science Requirement	3
MATH 1329	3	PHIL 1320 (WI)	3	Minor as required	3	Minor as required	3
Natural Science Component	3-4	Natural Science Component	4	Modern Language (2310)	3	Modern Language (2320)	3
Physical Fitness & Wellness (PFW)	1	Physical Fitness & Wellness (PFW)	1	HIST 1320 (WI at Texas State)	3	POSI 2320	3
US 1100	1	Free Elective	3				
Total	14-15	Total	17	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ECO 3314	3	ECO 3315	3	ECO Advanced Elective	3	ECO Advanced Electives	6
Free Elective	3	ECO Advanced Elective	3	Free Electives	6	Free Electives	7-8
Minor as required	6	ENG LIT BA Requirement	3	Minor (as required) or free elective	3		
COMM 1310	3	Minor (as required) or Free Elective	6	ART, DAN, MU, or TH 2313	3		
Total	15	Total	15	Total	15	Total	13-14

Minor in Economics

A minor in Economics requires 18 hours, including ECO 2314, 2315, and at least 12 hours of advanced ECO electives.

Courses in Business Law (BLAW)

To enroll in upper-division business law courses, students must satisfy all prerequisites, be classified as a junior or senior, and be in good academic standing. Students should note that not all courses are taught each semester. If a specific course is needed, students should verify the prospective course offering with the department.

- 2361 (BUSI 2301) Legal Environment of Business. (3-0) A survey of basic features of the American legal system and legal aspects of business transactions. Topics include the nature and sources of law, court systems and procedures, agency, torts, contracts, ethics, and government regulation of business.
- 3362 Commercial Law and Business Associations. (3-0) A traditional business law course which examines negotiable instruments, business organizations, secured transactions, and bankruptcy law. Prerequisites: BLAW 2361, Junior standing, and good academic standing.
- 3363 International Business Law. (3-0) A study of the principles of international business law which emphasizes the commercial activities of the multinational firm conducting business in global economic, political, social and cultural environments. Prerequisites: Junior standing and good academic standing. (MC/MP)
- 3367 Employment Law. (3-0) Study of legal developments in the workplace, with emphasis on attempts to maintain a proper balance between employees' interest in earning a livelihood and employers' interest in operating their business efficiently and profitably. Prerequisites: Junior standing and good academic standing.
- 4395 Independent Study in Business Law. (3-0) An in-depth study of a single topic or related problem solved through business law research. May be repeated once for credit with different emphasis. Prerequisite: Consent of instructor and department chair.

Courses in Economics (ECO)

To enroll in upper-division economics courses, students must satisfy all prerequisites, be classified as a junior or senior, and be in good academic standing. Students should note that not all courses are taught each semester. If a specific course is needed, students should verify the prospective course offering with the department.

- 2301 (ECON 1301) Principles of Economics. (3-0) A non-technical study of micro- and macroeconomic principles, including demand and supply, production and cost, market structures, aggregate output and performance of the economy, the business cycle and growth, unemployment and inflation, money and banking, fiscal policy, monetary policy, and international trade and finance. Not for business or economics majors.
- 2314 (ECON 2302) Principles of Microeconomics. (3-0) An introduction to the microeconomics of a modern industrial society. Emphasis is on supply and demand, cost and price concepts, market structures, income distribution, and similar issues. Prerequisite: MATH 1319 or equivalent. (MC)

- 2315 (ECON 2301) Principles of Macroeconomics. (3-0) An introduction to the macroeconomics of a modern industrial society. Emphasis is on the analysis of national income, economic stability, fiscal policy, money and banking, economic growth, and international trade. Prerequisites: ECO 2314; MATH 1319 or equivalent. (MC)
- 3301 Economics of Sports. (3-0) This course focuses on the business and economics aspects of professional and intercollegiate sports. Topics include the role of sports leagues, the demand for sports, the structure of labor markets in the four major sports, salaries of professional athletes, antitrust legislation, and intercollegiate athletics. Prerequisite: ECO 2301 or ECO 2314.
- 3304 Environmental Economics for Decision Makers. (3-0) Economic analytical tools and concepts are used to understand how the environment, economy, and businesses interact and the importance of public policy in shaping this interaction. Natural resources as inputs to production are explored. Current policy issues and environmental problems provide illustration and application. Prerequisite: ECO 2301 or ECO 2314.
- 3305 Law and Economics. (3-0) An analysis of the role of economics in the examination of law. Considers the influence that economics theories have had on legal theory, including contracts, property torts, business regulation, and crime. Prerequisites: ECO 2301 or ECO 2314, BLAW 2361 or equivalent.
- 3311 Money and Banking. (3-0) A study of money and credit in the modern economy. Examines the development of modern money and banking systems, the structure of the Federal Reserve System, and monetary theory. Prerequisites: ECO 2314 and 2315.
- 3313 Labor Economics. (3-0) A study of the application to labor markets of supply and demand principles. Topics include the work/leisure decision, time allocation in the household, the demand for education and training, the firm's use of labor inputs, the impact of unions, and discrimination in labor markets based on race and gender. Prerequisite: ECO 2314.
- 3314 Intermediate Microeconomics. (3-0) A study of theories of supply and demand; consumer and producer decision-making; firm pricing policies; product and resource markets under conditions of perfect and imperfect competition; and imperfect and asymmetric information. Prerequisites: ECO 2314 and 2315.
- 3315 Intermediate Macroeconomics. (3-0) An analysis of the traditional and modern theories of inflation, unemployment, long-run economic growth, and stabilization policies for promoting economic stability. Prerequisites: ECO 2314 and 2315.
- 3317 International Economics. (3-0) A study of the basis for trade among nations and the means of its financing, customs unions, balance-of-payments problems, and similar issues. Prerequisites: ECO 2301 or both ECO 2314 and 2315. (MC)
- 3320 Latin American Economies. (3-0) A study of the structural characteristics of the Latin American economies, with an emphasis on analyzing the salient economic problems and opportunities facing contemporary Latin American economies. Prerequisites: ECO 2301 or both ECO 2314 and 2315. (WI)

- 3322 Economic Growth and Development. (3-0) An introduction to the history and theory of economic growth, with special emphasis on presently under-developed regions and countries. Prerequisites: ECO 2301 or both ECO 2314 and 2315. (WI)
- 3327 Public Finance. (3-0) A study of the growth of the revenue and debt of the United States, taxation and tax incidence theory, and the effect of public expenditures and taxes on economic growth. Prerequisites: ECO 2301 or both ECO 2314 and 2315. (WI)
- 3334 Business Enterprise and Public Policy. (3-0) A survey of the development and structure of American industry and of governmental regulation of business. Prerequisite: ECO 2314. (WI)
- 3335 Managerial Economics. (3-0) A study of the application of economic analysis in the formulation of business policies. Includes demand analysis and pricing policies. Prerequisite: ECO 2314.
- 3344 Economic History of the United States. (3-0) A survey of United States economic history from colonial times to the present. See HIST 3344. Prerequisites: ECO 2301 or both ECO 2314 and 2315. (WI)
- 3353 Comparative Economic Systems. (3-0) An analysis of the theory and practice of capitalism, socialism, and communism. Prerequisites: ECO 2301 or both ECO 2314 and 2315. (WI)
- 4301 History of Economic Thought. (3-0) A study of major trends in economic theory and the economic thinkers responsible for them. Prerequisites: ECO 2301 or both ECO 2314 and 2315. (WI)
- 4305 Urban and Regional Economics. (3-0) A study of urban and regional economic issues including regional growth, crime, transportation, and the urban-rural interface. A focus on sources and uses of models and data unique to regional science and urban economics. Prerequisites: ECO 2314 and ECO 2315. (WI)
- 4313 Econometrics. (3-0) A study of statistical estimation, inference and forecasting methods used in economic research. A focus on models and methods unique to economics. Prerequisites: ECO 2314 and ECO 2315, QMST 2333, MATH 1315, and/or 1319, or equivalent courses. (WI)
- 4381 Special Topics in Economics. (3-0) Directed study in selected topics in economics. Course can be repeated for credit only with department chair approval.
- 4390 Internship in Economics. (0-10) Integration of professional and academic experience through an internship with an external employer. Prerequisites: Open to Economics majors only, students must have completed at least nine hours of major courses, enrollment subject to availability and approval, and credit awarded as pass/fail or grade at departmental election.
- 4395 Independent Study in Economics. (3-0) An in-depth study of a single topic or related problem solved through economic research. May be repeated once for credit with different emphasis. Prerequisite: Consent of instructor and department chair. (WI)

Courses in Finance (FIN)

To enroll in upper-division finance courses, students must satisfy all prerequisites, be classified as a junior or senior, and be in good academic standing. Students should note that not all courses are taught each semester. If a specific course is needed, students should verify the prospective course offering with the department.

- 3301 Real Estate. (3-0) A study of basic real estate principles. Topics include legal instruments and processes, property management, valuations, planning, development and sales, financing, and private and public interests.
- 3312 Business Finance. (3-0) An introduction to the finance function and to problems confronting financial managers. Topics include financial analysis, time value of money, capital budgeting, and financial decisions. Prerequisites: ACC 2362; CIS 1323; MATH 1329; and completion of, or concurrent enrollment in, QMST 2333, ECO 2314, ECO 2315.
- 3313 Financial Management. (3-0) An advanced study of intermediate and long-term financing alternatives, the incorporation of risk analyses in capital budgeting and the determination of capital costs, capital structure, and dividend policies. Prerequisites: QMST 2333; FIN 3312.
- 3316 Financial Information Technologies. (3-0) The course introduces students to technology supporting financial modeling and decision making. Students use computers to apply concepts and theories learned in the introductory Finance course. Course relies on quantitative analysis and use of the Internet. Prerequisites: QMST 2333; FIN 3312.
- 3318 Investment Analysis. (3-0) A study of principles governing the investment of personal and institutional funds. Also examines information sources, exchanges, and regulation. Prerequisites: FIN 3312.
- 3325 Personal Financial Management. (3-0) A study of modern money management, including budgeting, banking, real estate, insurance, consumer credit, and retirement and estate planning. Prerequisites: ACC 2301 and ECO 2301 (or equivalent), junior classification, and good academic standing.
- 3326 Financial Planning and Insurance. (3-0) An introduction to the steps in the financial planning process from the planner/client perspective. Topics include assessing client objectives, financial planning, and practice management. Insurance planning is emphasized. Prerequisite: FIN 3312.
- 3330 Insurance. (3-0) An analysis, from the consumer perspective, of risk and insurance principles and fire, marine, casualty, property, life, and health contracts. Prerequisites: Junior standing and good academic standing.
- 3335 Retirement Planning and Employee Benefits. (3-0) Planning for individual and family retirement using models, software, and the analysis of federal regulations. Employee benefits are described and analyzed based on current practices and federal regulations. Prerequisites: FIN 3318, 3326.
- 4317 Case Problems in Finance. (3-0) An application of investment and financial management techniques and concepts to finance cases. Issues and alternatives are identified and evaluated. Prerequisites: FIN 3312, 3313, 3316. (WI)
- 4318 Portfolio Management & Derivatives. (3-0) An advanced investments course which includes the following topics: portfolio analysis and management, derivatives theory and

pricing, and applications of derivatives in portfolio management. Prerequisites: FIN 3313, 3316, 3318.

- 4319 Financial Markets and Institutions. (3-0) A study of financial assets, money and capital markets, institutional intermediaries, and the impact of interest rates. Affords a thorough examination of the financial system facilitating economic growth and development. Prerequisites: ECO 3311; FIN 3313, 3316. Prerequisite or co-requisite: FIN 3318.
- 4320 Treasury and Working Capital Management. (3-0) A study of working capital and short-term financial management. Major topics include cash collections, cash concentration, disbursement management, forecasting cash flows, management of receivables and inventory, banking relationships, and short-term investment and borrow strategies. Prerequisites: FIN 3313, 3316.
- 4321 Real Estate Finance. (3-0) An analysis of problems involved in selecting and financing real estate investment opportunities. Prerequisite: FIN 3312.
- 4322 Student Managed Investment Fund Practicum. (3-0) The course examines the issues involved in the management and investment strategies of an endowment. It focuses on investment analysis, asset allocation, portfolio monitoring, evaluation, and rebalancing. May be repeated one time for credit with different emphasis. Prerequisites: FIN 3318 and consent of the instructor.
- 4325 Advanced Financial Planning. (3-0) Capstone course for finance majors interested in financial planning. Topics include ethics in the financial services industry, retirement planning and employee benefits, and estate planning. Prerequisites: FIN 3318, 3326.
- 4331 International Finance. (3-0) A study of international finance principles and their application in a multinational financial management setting. Prerequisites: ECO 3311; FIN 3313, 3316. (MC)
- 4380 Special Topics in Finance. (3-0) Selected topics in Finance. Repeatable for credit with different emphasis. Prerequisites: FIN 3313 and 3316.
- 4380A Advance Capital Budgeting. (3-0) A study of capital budgeting techniques, analyses (including risk), and strategies, and their implementation in capital assets investment. Prerequisite: FIN 4312.
- 4380D Commercial Bank Management. (3-0) The application of a theoretical framework to provide a foundation for maintaining financial institution viability and meeting the challenges faced by commercial bank managers in a dynamic financial marketplace. Prerequisites: FIN 3313, 3316.
- 4390 Internship in Finance. (0-10) Integration of professional and academic experience through an internship with an external employer. Prerequisites: Open to Finance majors only, students must have completed at least nine hours of major courses, enrollment subject to availability and approval, credit awarded as pass/fail or grade at departmental election.
- 4395 Independent Study in Finance. (3-0) An in-depth study of a single topic or related problem solved through finance research. May be repeated once for credit with different emphasis. Prerequisite: Consent of instructor and department chair. (WI)

Department of Management

McCoy Hall 524

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www.mgt.mccoy.txstate.edu

DEGREE PROGRAMS OFFERED

BBA, major in Management

BBA, major in Management

(with concentration in Entrepreneurial Studies)

BBA, major in Management

(with concentration in Human Resource Management)

BBA, major in Management (with teacher certification)

The mission of the Department of Management is to educate students to function and grow in a dynamic business world. To accomplish this mission, faculty combine effective teaching with scholarship and professional service. Faculty strive for quality in all department course offerings and undertakings to help prepare students for leadership and service in private and public organizations.

The Management program prepares students for challenging careers in a variety of business and governmental organizations, as well as secondary education. Management majors typically pursue careers in human resource management, industrial relations, production management, hospital administration, office management, and sales management. The concentration in Entrepreneurial Studies is designed for students who wish to start, operate, or expand their own businesses or family-owned businesses. It consists of 12 hours of undergraduate coursework including: MGT 3360, 3361, 4350, and 4351. The concentration in Human Resource Management is designed to prepare students for careers in human resource management. It consists of 12 hours of undergraduate coursework, including MGT 4373 and 9 additional hours of restricted advanced business electives. The coursework for both concentrations may be accommodated within the 120 hours required in the undergraduate business curriculum. More information is available in the McCoy College Academic Advising Center. Students choosing teacher certification pursue careers as secondary education teachers or in the private sector.

Bachelor of Business Administration
Major in Management
Minimum required: 120 semester hours

General Requirements:

1. MGT advanced electives are to be chosen from: 3360, 3361, 3375, 4340, 4350, 4351, 4370, 4371, 4377, 4380, 4390A, 4390B, 4390D, 4390E, 4390F, 4390G, 4390H, 4390I, 4390J, 4395 and 4399.
2. The advanced electives in business may be chosen from any 3000-4000 level course in the McCoy College of Business Administration not required for the major.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ACC 2361	3	ACC 2362	3
POSI 2310	3	HIST 1310 (WI at Texas State)	3	ECO 2314	3	ECO 2315	3
MATH 1329	3	PHIL 1320 (WI)	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	BLAW 2361	3
Natural Science Component	3-4	Natural Science Component	4	HIST 1320 (WI at Texas State)	3	POSI 2320	3
Physical Fitness & Wellness (PFW)	1	Physical Fitness & Wellness (PFW)	1	QMST 2333		COMM 1310	3
US 1100	1	CIS 1323 (Can test out for a fee)	3				
Total	14-15	Total	17	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
Free Elective	3	Business, Advanced Elective	3	Business, Advanced Electives	6	Business, Advanced Elective	3
MGT 3303	3	CIS 3380	3	MGT 4330	3	Free Electives	1-2
MKT 3343	6	Free Elective	3	MGT 4373	3	MGT Advanced Electives	6
MGT 3353 (WI at Texas State)	3	FIN 3312	3	MGT 4375	3	MGT 4335 (WI at Texas State) (Capstone)	3
		ART, DAN, MU, or TH 2313	3				
Total	15	Total	15	Total	15	Total	13-14

Bachelor of Business Administration Major in Management (with Entrepreneurial Studies Concentration) Minimum required: 120 semester hours							
General Requirements: 1. The advanced electives in business may be chosen from any 3000-4000 level business course not required for the major.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ACC 2361	3	ACC 2362	3
POSI 2310	3	HIST 1310 (WI at Texas State)	3	ECO 2314	3	ECO 2315	3
MATH 1329	3	PHIL 1320 (WI)	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	BLAW 2361	3
Natural Science Component	3-4	Natural Science Component	4	HIST 1320 (WI at Texas State)	3	POSI 2320	3
Physical Fitness & Wellness (PFW)	1	Physical Fitness & Wellness (PFW)	1	QMST 2333	3	COMM 1310	3
US 1100	1	CIS 1323 (Can test out for a fee)	3				
Total	14-15	Total	17	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
Free Elective	3	Business, Advanced Elective	3	MGT 4350	3	MGT 4351 (WI at Texas State)	3
MGT 3303	3	CIS 3380	3	Free Elective	3	Business, Advanced Elective	3
MKT 3343	3	FIN 3312	3	MGT 4330	3	Free Electives	4-5
MGT 3353 (WI at Texas State)	3	ART, DAN, MU, or TH 2313	3	MGT 4373	3	MGT 4335 (WI at Texas State) (Capstone)	3
MGT 3360	3	MGT 3361	3	MGT 4375			
Total	15	Total	15	Total	15	Total	13-14

Bachelor of Business Administration Major in Management (with Human Resource Management Concentration) Minimum required: 120 semester hours							
General Requirements: 1. The restricted advanced electives may be chosen from MGT 4377, 4378, 4379, 4380, 4395 or BLAW 3367. 2. The advanced electives in business may be chosen from any 3000-4000 level business course not required for the major.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ACC 2361	3	ACC 2362	3
POSI 2310	3	HIST 1310 (WI at Texas State)	3	ECO 2314	3	ECO 2315	3
MATH 1329	3	PHIL 1320 (WI)	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	BLAW 2361	3
Natural Science Component	3-4	Natural Science Component	4	HIST 1320 (WI at Texas State)	3	POSI 2320	3
Physical Fitness & Wellness (PFW)	1	Physical Fitness & Wellness (PFW)	1	QMST 2333	3	COMM 1310	3
US 1100	1	CIS 1323 (Can test out for a fee)	3				
Total	14-15	Total	17	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
Free Elective	3	CIS 3380	3	MGT 4330	3	Restricted Advanced Business Elective	3
MGT 3303	3	FIN 3312	3	Restricted Advanced Business Elective	6	Advanced Business Elective	3
MKT 3343	3	MGT 4373	3	Advanced Business Elective	3	Free Electives	4-5
MGT 3353 (WI at Texas State)	3	MGT 4375	3	Free Elective	3	MGT 4335 (WI at Texas State) (Capstone)	3
ART, DAN, MU, or TH 2313	3	Advanced Business Elective	3				
Total	15	Total	15	Total	15	Total	13-14

Bachelor of Business Administration
Major in Management (with Teacher Certification)
Minimum required: 127 semester hours

General Requirements:

1. Although depicted as a class to be taken in the 2nd semester of the senior year, EDST 4681, Student Teaching, must be taken as the only class during a student's last semester.
2. Restricted Advanced Business Elective – ACC 3313, BLAW 3363, BLAW 3367, CIS 3390, ECO 3311, FIN 3313, MGT 4370, MGT 4380, MGT 4390 D – J (Students should choose course in consultation with academic advisor).

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ACC 2361	3	ACC 2362	3
POSI 2310	3	HIST 1310 (WI at Texas State)	3	ECO 2314	3	ECO 2315	3
MATH 1329	3	ART, DAN, MU, or TH 2313	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	BLAW 2361	3
Natural Science Component	3-4	Natural Science Component	4	HIST 1320 (WI at Texas State)	3	POSI 2320	3
Physical Fitness & Wellness (PFW)	1	Physical Fitness & Wellness (PFW)	1	COMM 1310	3	QMST 2333	3
US 1100	1	CIS 1323 (Can test out for a fee)	3	PHIL 1320 (WI at Texas State)	3		
Total	14-15	Total	17	Total	18	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CIS 3380	3	CI 4332, 3325	6	RDG 3323	3	EDST 4681 (Student Teaching)*	6
MGT 3353 (WI at Texas State)	3	FIN 3325	3	CI 4343	3	MGT 3360	3
MGT 3303	3	MGT 3375, MGT 4390G, MKT 4310, or ECO 3317	3	CI 4370	3	MGT 4371	3
MKT 3343	3	MGT 4373	3	Restricted Advanced Business Elective	3	MGT 4335 (WI at Texas State) (Capstone)	3
FIN 3312	3	MGT 4375	3	MGT 4330 or QMST 3334	3		
Total	15	Total	18	Total	15	Total	15

*Although depicted as a class to be taken in this semester, EDST 4681 (Student Teaching) must be taken as the only class for a student's last semester.

Courses in Management (MGT)

To enroll in upper-division management courses, students must satisfy all prerequisites, be classified as a junior or senior, and be in good academic standing.

- 3303 Management of Organizations. (3-0) A study of management functions in modern organizations, the internal and external environmental factors affecting organizational efficiency, and the application of quantitative and behavioral science to management study.
- 3353 Business Communication. (3-0) An introduction to the uses of communication in modern organizations. Provides students the opportunity to gain practice in making decisions involving selection and organization of communication content, in choosing an appropriate medium for presentation of information, and developing an effective writing style. Includes the study of the theory of business communication, including communication models, general semantics, and causes of miscommunication. Prerequisites: ENG 1310, 1320; COMM 1310. (WI)
- 3360 Studies in Entrepreneurship. (3-0) Students gain personal insights into entrepreneurship as entrepreneurs describe their contributions, reveal the sources of ideas, and discover ways of growth and success. Includes starting and managing businesses as well as ownership forms, sources of funds, location analysis, facility requirements, management, marketing, and feasibility plans. Prerequisites: Junior or senior classification.
- 3361 Small Business Operations and Financials. (3-0) A study of funding and financial concepts necessary to effectively operate a successful small business. Students will use Quickbooks to maintain working capital and a complete set of books related to running businesses. Prerequisite or co-requisite: MGT 3360.
- 3365 Communication Systems. (3-0) Office information and decision support systems are examined as critical elements in business data and information systems. Emphasis is given to information processing considerations at the systems level, including analysis and management of support activities such as data and records management, electronic filing and retrieval systems, word processing, micro and reprographics, and telecommunications. Includes discussions of current and future technological trends. Prerequisite: MGT 3303. (WI)
- 3375 International Business - Latin America. Introduce Latin American Business perspectives underlying difference business functions. Latin American Business concepts, processes, and philosophical bases for international operations are emphasized with culture and a global dynamic environment as the basis. A project is required. (MC) (WI)
- 4315 Business Principles, Issues and Trends. (3-0) review of the fundamentals of business administration as applied to contemporary business problems. Also, a discussion of current business issues and trends. Open to students seeking certification only.
- 4330 Production and Operations Management. (3-0) A study of the various aspects of managing production and operations management functions in manufacturing and service organizations. Methods necessary for analyzing and solving related problems to design, operations, and improvements of the systems that create products and/or services in a global supply chain environment are investigated and emphasized. Prerequisites: MGT 3303; QMST 2333.
- 4335 Strategic Management and Business Policy. (3-0) An integrative course in strategic management and business policy that utilizes the case method of instruction. A capstone course involving the analysis of business through the application of principles of accounting, communications, economics, finance, management, marketing, quantitative methods, and related disciplines. Prerequisites: MGT 3303; MKT 3343; FIN 3312; QMST 2333. Capstone course and open only to seniors in business. (WI)
- 4340 Quality Management and Beyond. (3-0) A conceptual and practical overview of the role of quality as a system for establishing a "world class" competitive position. It explores philosophies and ideas of the leading thinkers in quality management, impact of process improvement methods, quality requirements definition and organizational change as it applies to total quality initiatives. Prerequisites: QMST 2333 or consent of professor. MGT 4330 is recommended. (WI)
- 4350 Business Plan Development. (3-0) Students work in teams to select, create, and write solid business plans for proposed or real businesses. Prerequisite: MGT 3361. (WI)
- 4351 Applied Entrepreneurship. (3-0) Students design, staff, operate, and manage a business or service. Business teams develop financial and operational control systems and procedures for organizational, group, and individual performance evaluations, implement service and business projects, and provide a final public report. Prerequisite: MGT 4350.
- 4370 Business Ethics. (3-0) This course examines a variety of ethical issues in business from the point of view of practicing managers and corporate leaders. The course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership. Prerequisite: MGT 3303.
- 4371 Social Issues in Management. (3-0) An integration of a number of disciplines and value systems which affect and determine the proper role of business in satisfying the needs of customers, creditors, community, government, stockholders, managers, employees, suppliers, and society in general. Prerequisite: MGT 3303.
- 4373 Human Resource Management. (3-0) A study of the principles of human resource management in public and private institutions. Stresses the human resource aspects of recruitment, selection and placement, performance appraisal and compensation. Prerequisite: MGT 3303.
- 4375 Organizational Behavior and Human Relations. (3-0) A study of the role of the individual in formal organizations, group dynamics, motivation theory, communication and leadership. Integrates behavioral science concepts. Prerequisite: MGT 3303.
- 4377 Labor Relations and Collective Bargaining. (3-0) A study of unions and their impact on private and public employment. Examines union growth and governance, collective bargaining, contract negotiation and administration, and arbitration and mediation. Prerequisite: MGT 4373. (WI)
- 4380 Compensation Management. (3-0) A study of the compensation administration in public and private organizations, with

stress on the determinants of general wage levels; job analysis and evaluation; incentive, merit, seniority, and executive compensation; fringe benefits, and wage and salary control. Prerequisite: MGT 4373.

4390 Special Topics in Management. (3-0) A course based on emerging and major topics in Management. Emphasis will vary and include entrepreneurship, organizational change, organizational communications, management of behavior and strategic management from both an organizational and managerial perspective. Course may be repeated with a different emphasis. Prerequisite: MGT 3303. (WI)

4390A Advanced Business Communication. (3-0) An advanced study of the uses of business communication in modern organizations. Students gain experience in making decisions involving selection and organization of communication content, and in choosing an appropriate medium for presentation of information. Emphasis is placed on gaining proficiency in various business communication processes. Prerequisite: MGT 3303 and MGT 3353. (WI)

4390B Management of the Digital Enterprise. (3-0) A study of management in the digital age. Course will look at the impact of digital communications and the new economy on traditional and e-commerce businesses. Topics will include changes in both strategic management as well as functional management (marketing, operations, finance, HR, etc.) Prerequisite: MGT 3303. (WI)

4390D Training and Development. (3-0) The course is designed to develop theoretical and applied perspective on needs assessment, design, development, delivery and evaluation of training and development in organizational contexts. Prerequisites: MGT 4373.

4390E Management of New Product Development. (3-0) Identifies the requirements and benefits of effective and efficient new product development. Topics include best practices of new-product development management, managing the new product process from idea generation, evaluation and selection; business case development; validation and verification testing; and product launch; and product portfolio management. Prerequisites: MGT 3303.

4390F Issues in Family Business. (3-0) Issues affecting the management of family businesses. Topics include the uniqueness of family business, family culture, building competitive advantage, marketing, building trust and commitment, family communication, family business governance, non-family management roles, succession and estate planning, change and adaptation, and the future of family business. Prerequisites: MGT 3303, junior standing.

4390G Cross-Cultural Human Relations. (3-0) This course is designed to develop theoretical and applied perspectives on cross-cultural human relations within a variety of international business contexts. Prerequisites: Junior standing and MGT 3303.

4390H Effective Leadership. (3-0) This course is for learners interested in developing their leadership capabilities. The course examines the complexities, paradoxes and challenges of leadership. The self-assessment, readings, lectures, and assignments provide an appreciation of effective approaches to leading and enables them to practice new leadership behaviors.

4390I Organizational Staffing. (3-0) A study of current theory and practice in the process of selecting the right employees for positions within the organization, including HR planning, EEO, job analysis, recruitment, and selection procedures. Prerequisite/corequisite: MGT 4373.

4390J Organizational Change. (3-0) Presents an overview of the change process and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored, along with practical ideas on building effective teams to make change possible and sustainable. Prerequisites: MGT 3303, junior standing.

4395 Management Internship. (0-15) Integration of professional and academic experience through internship with an external employer. Prerequisites: Junior or senior classification, enrollment subject to availability and approval, credit is pass/fail or grade at department election.

4399 Independent Study in Management. (3-0) Directed research and extensive written assignment(s) on a selected topic related to student's area of interest. Work may consist of literature reviews, integration of literature, or other appropriate independent research, and/or practical application of research. May be repeated once with different emphasis for credit. Prerequisite: Consent of Instructor and Chair.

Department of Marketing

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DEGREE PROGRAM OFFERED

BBA, major in Marketing

BBA, major in Marketing (with Professional Sales Concentration)

The mission of the Department of Marketing is to educate students to function and grow in a dynamic business world. To accomplish this mission, faculty will combine effective teaching with basic, applied, and instructional scholarship with professional service. The faculty will strive for quality in all activities to help prepare students for leadership and service in a diverse, global, and competitive environment.

This program prepares students for challenging careers in a variety of business, non-profit, and governmental organizations. Marketing majors typically pursue careers in sales and sales management, product and brand management, retail management, physical distribution, marketing research, advertising, or international marketing. Texas State marketing students graduate with a portfolio of skills, projects, and knowledge that enables them to effectively contribute and compete in a dynamic business environment.

Bachelor of Business Administration Major in Marketing Minimum required: 120 semester hours							
General Requirements: 1. MKT electives are to be chosen from MKT 3355, 3360, 3362, 3365, 3375, 3380, 3385, 3387, 4395 (WI), 4397, or 4399.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ACC 2361	3	ACC 2362	3
POSI 2310	3	HIST 1310 (WI at Texas State)	3	ECO 2314	3	ECO 2315	3
MATH 1329	3	PHIL 1320 (WI)	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	BLAW 2361	3
Natural Science Component	3-4	Natural Science Component	4	HIST 1320 (WI at Texas State)	3	POSI 2320	3
Physical Fitness & Wellness (PFW)	1	Physical Fitness & Wellness (PFW)	1	QMST 2333	3	COMM 1310	3
US 1100	1	CIS 1323 (Can test out for a fee)	3				
Total	14-15	Total	17	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CIS 3380	3	Free Elective	3	Business, Advanced Elective	3	Business, Advanced Elective	3
Free Elective	3	FIN 3312	3	MKT Advanced Electives	6	Free Elective	1-2
ART, DAN, MU, or TH 2313	3	MGT 3353 (WI at Texas State)	3	MKT 3358	3	MGT 4335 (WI at Texas State) (Capstone)	3
MGT 3303	3	MKT 3350	3	MKT 4330	3	MKT 4310	3
MKT 3343	3	MKT 3370	3			MKT 4337 (WI at Texas State)	3
Total	15	Total	15	Total	15	Total	13-14

Bachelor of Business Administration Major in Marketing (with Professional Sales Concentration) Minimum required: 120 semester hours							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ACC 2361	3	ACC 2362	3
POSI 2310	3	HIST 1310 (WI at Texas State)	3	ECO 2314	3	ECO 2315	3
MATH 1329	3	PHIL 1320 (WI)	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	BLAW 2361	3
Natural Science Component	3-4	Natural Science Component	4	HIST 1320 (WI at Texas State)	3	POSI 2320	3
Physical Fitness & Wellness (PFW)	1	Physical Fitness & Wellness (PFW)	1	QMST 2333	3	COMM 1310	3
US 1100	1	CIS 1323 (Can test out for a fee)	3				
Total	14-15	Total	17	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CIS 3380	3	MKT 3358	3	Business, Advanced Elective	3	MKT 4399	3
Free Elective	3	FIN 3312	3	MKT 4310	3	Free Elective	1-2
ART, DAN, MU, or TH 2313	3	MGT 3353 (WI at Texas State)	3	MKT 3360	3	MGT 4335 (WI at Texas State) (Capstone)	3
MGT 3303	3	MKT 3350	3	MKT 4330	3	MKT 4396	3
MKT 3343	3	MKT 3370	3	Free Elective	3	MKT 4337 (WI at Texas State)	3
Total	15	Total	15	Total	15	Total	13-14

Courses in Marketing (MKT)

To enroll in upper-division marketing courses, students must satisfy all prerequisites, be classified as a junior or senior, and be in good academic standing.

- 3343 Principles of Marketing. (3-0) Study of the strategic marketing process, which creates value for consumers and organizations through integrated production and distribution of products. Examines the marketing process in the context of the global, cultural, economic, legal/regulatory environment. Examines ethical and socially-responsible marketing and the impact of information technology. Prerequisite: Junior standing.
- 3350 Consumer Behavior. (3-0) A study of the role of the consumer in marketing. Considers the motivation, personality, attitudes, perceptions, lifestyle, and decision-making processes of consumers. Prerequisite: MKT 3343.
- 3355 Retailing. (3-0) A study of the principles of retail store management, including market and trade area analysis, store location and design, organization and operation management, merchandising, inventory control, and promotion and pricing policies. Prerequisite: MKT 3343.
- 3358 Professional Selling. (3-0) A study of the professional selling process including strategically planning sales calls, strengthening communication skills, responding helpfully to objections, obtaining commitment and building partnerships. Examines cultivating committed relationships, strategic alliances, and partnering skills to provide total sales quality to the company, suppliers, and customers. Prerequisite: MKT 3343.
- 3360 Sales Management. (3-0) A study of issues related to planning for, managing, motivating, directing, and controlling a sales force and related sales territories. Both international and domestic perspectives are addressed. Special emphasis is given to the efficiency (cost consideration) and effectiveness (satisfaction consideration) of sales management. Prerequisite: MKT 3358.
- 3362 Studies in Free Enterprises. (3-0) The course will focus on developing goal setting, project identification, project planning and management, marketing, financing, and implementing student directed educational programs within the I-35 corridor. The projects are aimed at increasing citizen awareness and understanding of business and economic issues. Prerequisite: Consent of instructor. (WI)
- 3365 Services Marketing. (3-0) The services sector dominates the U.S. economy and is becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 3343.
- 3370 Marketing Research. (3-0) Comprehensive study of marketing research. Examines the research process, including problem formulation, developing a research plan, sampling, data analysis, and preparing a research report. Prerequisites: MKT 3343; QMST 2333.
- 3375 Social Marketing. (3-0) Social marketing is the use of marketing principles and techniques to influence a target audience to voluntarily accept, reject, modify, or abandon a behavior for the benefit of individuals, groups, or society as a whole. This course examines the application of social marketing to solve societal problems. Prerequisite: MKT 3343.
- 3380 Sports Marketing. (3-0) Examines four components of sports marketing, including: (1) the foundation of sports marketing, (2) marketing through sports, including sponsorship, endorsement, and licensing strategies, (3) the marketing of sports, including marketing mix strategies, and (4) emerging topics in sports marketing, including relationship marketing, technology, and controversial issues. Prerequisite: MKT 3343.
- 3385 Ethnic and Niche Marketing. (3-0) The course introduces students to marketing approaches used to understand and market products/services to U.S. ethnic and/or subgroups of consumers. The course includes consumer behavior and research techniques as well as implications to the marketing mix. Prerequisites: MKT 3343 and 3350.
- 3387 Technology and Marketing. (3-0) Study of the marketing process using technologies, e.g., the internet and mobile that support and enhance marketing capabilities, such as the distribution of information. The course examines the impact of technology on the marketing of goods and services to satisfy needs and wants of customers and stakeholders. Prerequisite: MKT 3443.
- 4310 International Marketing. (3-0) A study of the international planning and coordination of marketing functions, marketing policies, and the analysis of marketing on an international scope including environmental and cultural aspects. Emphasis on Latin American business. Prerequisite: MKT 3343. (MC)
- 4330 Promotional Strategy. (3-0) Analysis of promotional methods used in marketing and their relation to other business functions. Examines advertising, selling, and sales promotion. Prerequisite: MKT 3343.
- 4337 Marketing Management. (3-0) An integrative course that applies management concepts and techniques to the solution of marketing problems. Analyzes market segments and product positioning, product and product line price, channels of distribution, and promotion. Prerequisites: QMST 2333; MKT 3343, and six additional hours of marketing courses. (WI)
- 4395 Independent Study in Marketing. (3-0) Directed research and extensive written assignment on a selected topic related to student's area of interest. Work may consist of literature reviews, integration of literature, or other appropriate independent research. May be repeated once for credit with different emphasis. Prerequisite: Chair/instructor consent. (WI)
- 4396 Directed Study in Professional Sales. (3-0) Directed study and research in selected professional sales topics. May be repeated for credit with a different emphasis. Prerequisites: MKT 3343, 3358 and consent of instructor and/or chair.
- 4397 Directed Study in Marketing. (3-0) Directed study and research in selected marketing topics, including the development of a promotional or marketing plan. Course can be offered as individual instruction or as an organized class. Repeatable for credit with different emphasis. Prerequisite: Consent of instructor and Chair.
- 4399 Marketing Internship. (0-15) Integration of professional and academic experience through internship with an external employer. Prerequisites: MKT majors only, junior or senior status, enrollment subject to availability and Internship Director approval, credit is pass/fail or grade at departmental election.

College of Education

DEAN

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The College of Education contains three academic departments. These are Curriculum and Instruction (CI); Counseling, Leadership, Adult Education, and School Psychology (CLAS); and Health and Human Performance (HHP).

Educator preparation was the original mission of Southwest Texas Normal School when it was chartered in 1899, and today faculty members in the College of Education continue to focus their efforts on this primary mission. Over the last century, the mission of the College has expanded to include the professional preparation of educators at the master's and doctorate levels as well as the preparation of professionals in other fields such as recreation administration, health and wellness promotion, athletic training, health and fitness management, educational leadership, school psychology, professional counseling, and adult and developmental education.



Preparation of teachers and other educators is a campus-wide commitment at Texas State. Many academic departments offer core curriculum courses and major/minor courses, and the College of Education offers the certification courses. Programs leading to educator certification are available for elementary, middle, high school and all-level teachers. These are the EC-6 (Early Childhood through Grade Six), the 4-8 (Grade Four through Grade Eight), the 8-12 (Grade Eight through Grade 12), and All-Level (Early Childhood through Grade 12) certificates. Students seeking the EC-6, 4-8, or Special Education certificate will major in Interdisciplinary Studies in the College of Education, and students seeking the 8-12 or All-level certificate will complete an academic major of their teaching field in the appropriate department. Within the HHP Department in the College of Education, students may acquire certificates to teach Physical Education or Health.

The College of Education offers many master's degree programs and two doctoral degree programs. One is a Doctor of Philosophy degree with a major in School Improvement, and the other is a Doctor of Philosophy degree with a major in Adult, Professional, and Community Education. Also, those who hold bachelor's degrees may obtain teacher certification through graduate coursework and earn a master's degree simultaneously. More information about these degrees may be obtained from the Graduate College or from the College of Education web site.

Office of Educator Preparation

The Office of Educator Preparation (OEP) serves all university departments that are involved in producing new teachers for grades EC-12, namely, departments in the Colleges of Applied Arts, Business Administration, Education, Fine Arts & Communication, Liberal Arts, and Science. The OEP advises and assists students seeking to earn Texas educator credentials at the pre-baccalaureate, post-baccalaureate, and graduate levels. Specific OEP responsibilities include admitting students into the teacher education program, supporting recent graduates in school settings, recommending teacher and principal candidates to the State Board for Educator Certification, communicating with state policy-makers, and maintaining relationships with area schools and school districts. In addition, the office spearheads activities that address state and federal mandates related to program accountability and accreditation.

All post-baccalaureate students in the College of Education should contact the OEP for an appointment to complete paperwork necessary for entering programs in the College of Education. All students seeking certification should contact the OEP for information and registration regarding student teaching and state certification assessments.

College of Education Undergraduate Advising Center

The College of Education Undergraduate Advising Center is a student-centered, collaborative resource for undergraduate students seeking an undergraduate degree and/or teacher certification through the College of Education. As an integral part of teaching and learning at Texas State, academic advisors in the Undergraduate Advising Center cultivate student success by engaging students in educational planning to promote academic, personal, and professional development, while considering diverse interests, abilities, and goals. Services available for students include, but are not limited to: exploration of career and educational goals; assistance with selection of educational programs; interpretation of policies and procedures; information on course sequencing and degree requirements; referral to other university resources; and verification of graduation requirements. We strive to develop a guidance and support system to encourage student self-reliance, responsibility, and success in achieving academic goals. All students in the College of Education should contact the Undergraduate Advising Center for an initial appointment to complete paperwork necessary for entering programs in the College of Education and are encouraged to regularly schedule an appointment with an academic advisor each semester to discuss progress toward the degree.

Elementary, Middle School, High School, and All-Level Certification Field-Based Requirements

Students in any undergraduate teacher certification program must participate in a block(s) of integrated courses taught two days per week at a public school in the Central Texas area. This pre-student teaching experience is a unique opportunity to learn in actual classrooms, in a partnership between Texas State and public school faculty. It fulfills the field experience requirement for teaching in the public schools. The field block is taken following the required courses indicated below.

Elementary Certification:

- Early Childhood – Grade 6 (EC-6) English as a Second Language (ESL) Generalist
- Early Childhood – Grade 6 (EC-6) Bilingual Generalist

Students must take the professional development core classes prior to enrolling in the field-based block. The core consists of CI 3310, CI 3315, RDG 4320, ECE 4300, ECE 4310, ECE 4352, CI 3332, and CI 4360. The field-based block classes include CI 4325, RDG 3315, and RDG 3321.

Middle School Certification:

- Grades 4-8 Generalist
- Grades 4-8 Math
- Grades 4-8 Science
- Grades 4-8 Math/Science
- Grades 4-8 English Language Arts/Reading/Social Studies

Students must take the professional development core classes prior to enrolling in their two field-based blocks. The core consists of CI 3310, CI 3325. The first of two field-based block classes include RDG 3315 and 4310. The second field-based block includes CI 3300 and 4300.

High School (Grades 8-12) Certification:

- Grades 8-12 Agriculture
- Grades 8-12 Biology (Life Science)
- Grades 8-12 Business Administration
- Grades 8-12 Chemistry (Chemistry or Physical Science)
- Grades 8-12 Communication Studies
- Grades 8-12 Computer
- Grades 8-12 Dance
- Grades 8-12 English
- Grades 8-12 Family and Consumer Science
- Grades 8-12 Geography (Social Studies Composite)
- Grades 8-12 History (Social Studies Composite and History)
- Grades 8-12 Math
- Grades 8-12 Modern Language (Spanish, French, or German)
- Grades 8-12 Political Science (Social Studies Composite)

Students must take CI 3325 and CI 4332 prior to participating in a field-based block. The 9-hour field-based experience consists of CI 4343, CI 4370, and RDG 3323.

Students may choose to seek teacher certification in either one or two teaching fields. Some departments have designed teaching fields that must be completed in tandem with at least one other teaching field. Also, some departments allow the teacher certification sequence of courses to be used as the minor (see below). Students are advised to consult an academic departmental advisor prior to selection of teaching fields.

All Level (EC-12) Certification:

- EC-12 Art
- EC-12 Exercise Science and Sports
- EC-12 Health and Wellness Promotion
- EC-12 Special Education
- EC-12 Theatre

Students must take the professional development core classes prior to enrolling in the field-based block. The core consists of CI 3325 and CI 4332. The field-based block classes may consist of one or two field-based blocks. Some departments have designed teaching fields that must be completed in tandem with at least one other field. Students are advised to consult a departmental advisor prior to selection of teaching fields.

Admission to Educator Preparation

A student who plans to pursue teacher certification must do one of the following:

- * Enroll in the section of the University Seminar 1100 course for Education majors in the freshman year
- * Attend an all-day Saturday seminar

Requirements for formal admission into the educator preparation program include:

1. 2.50 overall GPA
2. Passing score on English writing sample (completed in US 1100 class or during Saturday Seminar)
3. 6 hours of service learning experience with students from multicultural backgrounds
4. Three letters of recommendation (service learning supervisor, University professor, personal reference)
5. Texas Higher Education Assessment (THEA) scores of at least 250 in writing and 260 in reading and mathematics or documentation of exemptions or equivalencies
6. College level skills in reading, oral and written communication, critical thinking and mathematics:
 - a. Reading: Grade of "C" or higher in one of the following: HIST 1310, HIST 1320, POSI 2310, or POSI 2320 or its equivalent
 - b. Oral Communication: Grade of "C" or higher in COMM 1310 or its equivalent
 - c. Written Communication: Grades of "C" or higher in ENG 1310 and 1320 or their equivalents
 - d. Critical Thinking: Grade of "C" or higher PHIL 1305, PHIL 1320, or its equivalent.
 - e. Mathematics: A grade of "C" or higher in MATH 1315 or 1319 or 2417 or 2471 for Interdisciplinary Studies majors or successful completion of the mathematics requirement in the selected major for high school and all-level certificates.

Upon meeting the requirements for admission, a student must pay a non-refundable processing fee; the amount is determined annually by the Office of Educator Preparation and is posted on the website: www.education.txstate.edu/oep.

Students should follow the curriculum sequence outlined by their major departments, schools, or colleges. Students should contact advisors who will help them plan schedules that will lead to graduation as well as certification. They are encouraged to join student organizations related to the teaching profession.

Student Teaching

A list of the courses required to be completed prior to student teaching may be obtained from the College of Education Undergraduate Advising Center.

The requirements to be admitted to student teaching are as follows:

1. Attendance at a mandatory Student Teaching Round Up meeting during the long semester prior to the student teaching semester (early September for Spring and early February for Fall).
2. Admission to Educator Preparation Program.
3. An overall GPA of 2.50 or higher.
4. Validation of required pre-student teaching field experiences.
5. A GPA of at least 2.50 in all assigned courses in the professional sequence and in the teaching field(s) or specialization(s) with no grade below a "C".
6. Approval from the chair of the department of the student's major teaching field.

Graduation and Certification

Graduation. In addition to the other graduation requirements listed in this catalog, the following graduation requirements must be met by students seeking teacher certification:

1. A overall GPA of at least 2.50 or higher.
2. Successful completion of student teaching.
3. A GPA of at least 2.50 in all assigned courses in the professional sequence and in the teaching field(s) or specialization(s) with no grade below a "C".
4. Application for graduation posted by the University's deadline. Candidates for degrees offered in the College of Education must complete a graduation application online.

Certification

Eligible students should apply for a Texas Educator Certificate through the State Board for Educator Certification website: www.sbec.state.tx.us. The Certification Officer will recommend the issuance of the appropriate certificate by the State of Texas. The certification process includes the following steps:

1. Completion of at least a baccalaureate degree and the posting of the degree to the official transcript.
2. Verification of completion of student teaching experience.
3. Passing scores on the appropriate Texas Examination of Educator Standards (TExES).

Dispositions for the Teaching Profession. Student must have positive behaviors that support student learning and development. These behaviors are the following: professional attitudes, values, and beliefs demonstrated through both verbal and non-verbal behaviors as educators interact with students, families, colleagues, and communities.

A student who does not meet the expectations for the dispositions for the teaching profession will be identified by a professor or cooperating teacher and will meet with an administrator in the Office of Educator Preparation to discuss the case. If further action is necessary, the student will meet with the Teacher Education Admission and Retention (TEAR) Committee to determine continuation in the Educator Preparation Program. Appeals regarding the TEAR Committee's decision must be made to the Dean of the College of Education.

Post-Graduate Certificate Requirement

Persons who hold at least a bachelor's degree and who are seeking either initial or additional Texas teaching certificates need to follow information listed in the Graduate Catalog.

Note: Special master certification programs, such as Career Alternatives in Special Education (CASE), Certification and Master of Education (C-MED), and Teacher Recruitment Program (TRP), and each program may have different and/or additional requirements as stated in the guidelines for these programs. See additional information in the College of Education website (www.education.txstate.edu).

Courses in Education Student Teaching (EDST)

4380 Student Teaching All-Level I EC-6/4-8. (.5-20) This half-

semester student teaching course is designed for undergraduate students seeking All-Level teacher certification. Students will engage in teaching experiences in EC-6 or 4-8 settings for half of a 14-week assignment with university guidance and supervision. Repeatable for credit. Prerequisite: 2.50 overall GPA. Co-requisite: EDST 4381.

4381 Student Teaching All-Level II 8-12. (.5-20) This half-semester student teaching course is designed for undergraduate students seeking All-Level teacher certification. Students will engage in teaching experiences in 8-12 settings for half of a 14-week assignment with university guidance and supervision. Repeatable for credit. Prerequisite: 2.50 overall GPA. Co-requisite: EDST 4380.

4680 Student Teaching 4-8. (.5-40) Students will integrate and apply knowledge and skills learned from their program of study while student teaching with experienced 4-8 teachers in the public schools with university supervision. Students will demonstrate exit-level proficiency in state-adopted and Texas State teacher proficiencies. Prerequisite: 2.50 overall GPA.

4681 Student Teaching 8-12. (.5-40) Students will integrate and apply knowledge and skills learned from their program of study while student teaching with experienced 8-12 teachers in the public schools with university guidance and supervision. Students will demonstrate exit-level proficiency in state-adopted and Texas State proficiencies for teachers. One conference hour per week is required. Prerequisite: 2.50 overall GPA.

4687 Student Teaching EC-6. (.5-40) Students will integrate and apply knowledge and skills learned from their program of study while student teaching with experienced EC-6 teachers in the public schools with university supervision. Students will demonstrate exit-level proficiency in state-adopted and Texas State teacher proficiencies. Prerequisite: 2.50 overall GPA.

Department of Curriculum and Instruction

Education Building 3044

T: 512.245.2157 F: 512.245.7911

www.txstate.edu/ci

DEGREE PROGRAMS OFFERED

BS, major in Interdisciplinary Studies
(Early Childhood through Grade 6 English as a Second Language Generalist)

BS, major in Interdisciplinary Studies
(Early Childhood through Grade 6 Bilingual Generalist)

BS, major in Interdisciplinary Studies
(Grades 4-8 Generalist)

BS, major in Interdisciplinary Studies
(Grades 4-8 Science)

BS, major in Interdisciplinary Studies
(Grades 4-8 Math)

BS, major in Interdisciplinary Studies
(Grades 4-8 Math/Science)

BS, major in Interdisciplinary Studies
(Grades 4-8 English/Language Arts/Reading/
Social Studies)

BS, major in Interdisciplinary Studies
(All-Level Special Education)

MINORS OFFERED

Secondary Education

Special Education

Students who wish to teach at either the Early Childhood through Grade 6 levels or in the Grade 4-8 levels (middle school) pursue the Bachelor of Science with a major in Interdisciplinary Studies with the following four categories of study: (1) general education, (2) specialty curricula for the focus at either the Early Childhood-Grade 6 level with English as a Second Language (ESL) Generalist, the Grade 4-8 level, or All-Level Special Education, (3) a professional studies curriculum designed for specific roles in teaching, and (4) electives adequate to complete the number of hours required for graduation. The total number of hours to graduate will vary between 120 to 133 semester hours, depending on the focus selected.

Students who seek secondary certification (8-12) or All-Level certification (Early Childhood-Grade 12) follow the curriculum outlined by the department of their major. These students take professional development courses offered by the Department of Curriculum and Instruction.

Interdisciplinary Studies Majors

Students seeking this major should consult with advisors in the College of Education Undergraduate Advising Center prior to each registration for detailed information regarding specific degree requirements. The following schedules represent a typical year-by-year progression toward the degree; however, students should develop their plans following semester consultations with advisors in the Center.

Because courses must be taken in a predetermined sequence, it is likely that students will be required to attend summer sessions in order to complete the program within a 4-year time period.

High School and All-Level Programs

Students who wish to be certified to teach at the High School level (grades 8-12) or in an approved All-Level (Early Childhood-12) content area will follow the curriculum specified by their major department or school. The Department of Curriculum and Instruction provides the following professional education sequence: CI 4332, CI 3325, High School Block, (CI 4343, CI 4370, RDG 3323) and All-Level Blocks (Elementary Block CI 4325, RDG 3315, RDG 3321 and High School Block CI 4343, CI RDG 3323), and Student Teaching: EDST 4681 (High School), or EDST 4380, 4381 (All-Level).

Bachelor of Science Major in Interdisciplinary Studies (with Early Childhood through Grade 6 ESL Generalist Teacher Certification) Minimum required: 127 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	CI 3310, 3315	6	CI 4325	3
POSI 2310, HIST 1310	6	HIST 1320, POSI 2320	6	GS 3310, 3320	6	CI 4350, 4355	6
MATH 1315 or 1319	3	GEO 1310	3	RDG 4320	3	RDG 3315, 3321	6
PHYS 1310, 1320, 1110	7	PHIL 1305 or PHIL 1320	3	ECE 4300, 4352, 4310	9	RDG 3320	3
COMM 1310	3	MATH 2311, 2312	6	SPED 4344	3	FCD 3355 or 3359	3
ART, DAN, MU or TH 2313	3	BIO 1320	3	CI 4350, 4355	6	EDST 4687	6
PFW two courses	2	ARTT 3370, H ED 3321, MU 3370	9				
US 1100	1	PE or H ED 3321	3				
Total	31	Total	36	Total	33	Total	27

Bachelor of Science Major in Interdisciplinary Studies (with Early Childhood through Grade 6 Bilingual Generalist Teacher Certification) Minimum required: 127 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	CI 3310, 3315	6	CI 4325	3
POSI 2310, HIST 1310	6	HIST 1320, POSI 2320	6	CI 3332, 4361	6	CI 4350, 4355	6
MATH 1315 or 1319	3	GEO 1310	3	CI 4360, 4362	6	RDG 3315, 3321	6
PHYS 1310, 1320, 1110	7	PHIL 1305 or PHIL 1320	3	ECE 4300	3	RDG 3320	3
COMM 1310	3	MATH 2311, 2312	6	SPAN 3371	3	SPED 4344	3
ART, DAN, MU or TH 2313	3	BIO 1320	3	GS 3315, 3320	6	EDST 4687	6
PFW two courses	2	ARTT 3370, H ED 3321, MU 3370	9	RDG 4320	3		
US 1100	1	SPAN 3308	3				
Total	31	Total	36	Total	33	Total	27

Bachelor of Science Major in Interdisciplinary Studies (with Grades 4-8 Generalist Teacher Certification) Minimum required: 131 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	CI 3310	3	CI 3300	3
POSI 2310, HIST 1310	6	HIST 1320, POSI 2320	6	CI 3325	3	CI 4300	3
MATH 2417	4	PHIL 1305 or PHIL 1320	3	RDG 4310	3	SPED 4344	3
PHYS 1310, 1320, 1110	7	MATH 2311, 2321, 2312	9	RDG 3315	3	MATH 4302	3
COMM 1310	3	ENG 3304, 3386	6	MATH 2328, 3315	6	BIO 4403	4
ART, DAN, MU or TH 2313	3	HIST 3372	3	3 hrs advanced level GEO, HIST, POSI, ECO, SOCI, or ANTH	3	GEO 4340	3
PFW two courses	2	BIO 1320, 1421	7	BIO 3351, 4402	7	EDST 4680	6
US 1100	1			CHEM 1310	3		
				PHYS 1340 or 1350	3		
Total	35	Total	37	Total	34	Total	25

Bachelor of Science Major in Interdisciplinary Studies (with Grades 4-8 Mathematics Teacher Certification) Minimum required: 120 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	ENG Literature 2310, 2320, 2330,		CI 3310	3	CI 3300	3
POSI 2310, HIST 1310	6	2340, 2359, or 2360	3	CI 3325	3	CI 4300	3
MATH 2417	4	HIST 1320, POSI 2320	6	RDG 4310	3	MATH 4302, 4304, 4311	9
PHYS 1310, 1320, 1110	7	PHIL 1305 or PHIL 1320	3	RDG 3315	3	CHEM 1341, 1141,	
COMM 1310	3	MATH 2311, 2312, 2471 or 2321	9-10	MATH 2328, 3315, 2472 or 2331	9-10	1342, 1142	8
ART, DAN, MU or TH 2313	3	BIO 1320, 1421	7	SPED 4344	3	EDST 4680	6
GEO 1310, ANTH 1312, ECO 2301,	3			CS 1428	4		
ECO 2314, PSY 1300 or SOCI 1310	3						
PFW two courses	2						
US 1100	1						
Total	35	Total	28-29	Total	28-29	Total	29

Bachelor of Science Major in Interdisciplinary Studies (with Grades 4-8 Mathematics/Science Teacher Certification) Minimum required: 133 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	CHEM 1342, 1142	4	CI 3310	3	CI 3300	3
POSI 2310, HIST 1310	6	HIST 1320, POSI 2320	6	CI 3325	3	CI 4300	3
MATH 2417	4	PHIL 1305 or PHIL 1320	3	RDG 4310	3	ENG Literature 2310, 2320, 2330,	
BIO 1430, 1431	7	MATH 2311, 2312, 2471 or 2321	12	RDG 3315	3	2340, 2359, or 2360	3
COMM 1310	3	BIO 2410 or 2411	4	ART, DAN, MU, or TH 2313	3	BIO 4403	4
CHEM 1341, 1141	3	PHYS 1310, 1320, 1110	7	MATH 2331	3	MATH 3315, 4302, 4311	6
GEO 1310, ANTH 1312, ECO 2301,	3			BIO 2450, 4402, 4305	11	EDST 4680	4
ECO 2314, PSY 1300 or SOCI 1310	3			SPED 4344	4		6
PFW two courses	2						
US 1100	1						
Total	37	Total	36	Total	32	Total	28

Bachelor of Science Major in Interdisciplinary Studies (with Grades 4-8 Science Teacher Certification) Minimum required: 129 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	ENG Literature 2310, 2320, 2330, 2340,		CI 3310	3	CI 3300	3
POSI 2310, HIST 1310	6	2359, or 2360	3	CI 3325	3	CI 4300	3
MATH 1315 or 1319	3	HIST 1320, POSI 2320	6	RDG 4310	3	SPED 4344	3
PHYS 1310, 1320, 1110	7	PHIL 1305 or PHIL 1320	3	RDG 3315	3	BIO 3421, 4305,	
COMM 1310	3	MATH 2321, 2331	6	MATH 3315	3	4402, 4403, 4416	19
ART, DAN, MU or TH 2313	3	BIO 1430, 1431	8	BIO 2411, 2450, 4305	11	EDST 4680	6
GEO 1310, ANTH 1312, ECO 2301, ECO 2314,	3	CHEM 1341, 1141, 1342, 1142	8	PHYS 1340 or 1350	3		
PSY 1300 or SOCI 1310	3						
PFW two courses	2						
US 1100	1						
Total	34	Total	34	Total	29	Total	34

Bachelor of Science
Major in Interdisciplinary Studies
(with Grades 4-8 English Language Arts/Reading, and Social Studies Teacher Certification)
Minimum required: 124 semester hours

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	ENG Literature 2310, 2320, 2330,		CI 3310	3	CI 3300	3
POSI 2310, HIST 1310	6	2340, 2359, or 2360	3	CI 3325	3	CI 4300	3
MATH 1315 or 1319	3	HIST 1320, POSI 2320	6	RDG 4310	3	SPED 4344	3
PHYS 1310, 1320, 1110	7	PHIL 1305 or 1320	3	RDG 4320	3	3 hrs. Science elective from: BIO	
COMM 1310	3	ENG 3304, 3386	6	RDG 3315	3	1320, 4305, CHEM 1310, GEO 2310,	
ART, DAN, MU or TH 2313	3	6 hrs. advanced ENG electives	6	HIST 3372	3	GS 3310, PHYS 1340	3
GEO 1310, ANTH 1312, ECO 2301,		MC 3319	3	MATH 3315	3	GEO 4340	3
ECO 2314, PSY 1300 or SOCI 1310	3	6 hrs. advanced POSI electives from		3 hrs advanced HIST electives	3	RDG 3312, 3320	6
PFW two courses	2	Group II	6	3 hrs advanced GEO electives	3	EDST 4680	6
US 1100	1			ECO 2301 or 2314	3		
				ANTH 3309 or 3314 or 3324	3		
Total	34	Total	33	Total	30	Total	27

Bachelor of Science
Major in Interdisciplinary Studies
(with EC-12 Special Education Teacher Certification)
Minimum required: 127 semester hours

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360		CI 3325, 4332	6	CI 4343, 4360	6
POSI 2310, HIST 1310	6	HIST 1320, POSI 2320	3	RDG 3315, 3321; CI 3332	9	RDG 3323	3
MATH 1315 or 1319	3	PHIL 1305 or 1320	6	CI 4325	3	SPED 4374, 4381, 4389	9
GEO 1310	3	MATH 2311	3	ECE 4300	3	EDST 4380, 4381	6
PHYS 1310, 1320, 1110	7	BIO 1320	6	SPED 3338, 4345	6		
COMM 1310	3	SPED 2360, 3390	3	CI 4350, 4355	6		
ART, DAN, MU or TH 2313	3	GS 3310, 3320	6				
PFW two courses	2		6				
US 1100	1						
Total	34	Total	33	Total	33	Total	24

Minor in Secondary Education

A minor in Secondary Education requires 21 hours, including Education Core (CI 4332, CI 3325), Field-Based Block (CI 4343, CI 4370, RDG 3323), and Student Teaching (EDST 4681). Note that a minor in Secondary Education is not available with all majors. Students must declare a major in a content area for which teacher certification is available. See your Academic Advisor for more information.

Minor in Special Education

A minor in Special Education requires 21 hours, including SPED 2360, 3338, 3390, 4344, 4345, 4374, and 4381.

Courses in Curriculum and Instruction (CI)

3300 Middle School Curriculum and Instruction. (3-0) Overview of developmentally appropriate curriculum adhering to state and national standards for grades 4-8. Includes the application of learning theory in a safe classroom environment with a focus on cooperative learning, direct instruction, discovery learning, technology, and learner-centered instruction. Prerequisites: RDG 3315, 4310; 2.50 overall GPA. (WI)

3310 Public Education in a Multicultural Society. (3-0) Course utilizes historical, sociocultural, and political lenses to provide an overview of public schooling as a complex system within a multicultural society. Key concepts include: educational philosophy, legal and policy issues, curriculum and instruction, equity, school-community connections, and teachers as change agents. Prerequisites: Junior classification; 2.50 overall GPA.

3315 Human Development: Learning and Being in Social Contexts. (3-0) Drawing from psychological, sociological, anthropological, and historical traditions, this course explores human development, learning theories, identity issues, and multicultural education, especially as these pertain to second-language learners. Implications for classrooms and teaching are included. Prerequisites: Junior classification; 2.50 overall GPA. (WI)

3322 The Design and Application of the EC-6 Curriculum. (3-0) Course focuses on design and application of curricula including content, instructional methodologies and assessment. Foundational theories of human development and learning will be used as students focus on the organization of content, instructional strategies, classroom environment, utilization of materials, and assessment. Prerequisites: CI 3310, 3315; RDG 4320; 2.50 overall GPA. (WI)

3325 Adolescent Growth and Development. (3-0) Study of biological, cognitive, and psychological theories and processes of adolescence. Prepares prospective teachers to understand abilities, behaviors, and needs of learners. Roles of family, peer groups, and culture examined with the aid of contemporary adolescent literature. Prerequisites: Junior classification; 2.50 overall GPA.

3332 Foundations of Bilingual and ESL Education. (3-0) This course examines the rationale, history, and philosophy of bilingual and ESL education and develops students' understanding of the cultural and psychological influences that mediate the learning process. Prerequisites: CI 3315, CI 3310, ECE 4300; 2.5 overall GPA.

3335 Humanities in the Integrated Elementary Curriculum. (3-0) Course provides the knowledge and skills needed

to use the major concepts and processes from the fine arts and the social sciences to develop appropriate curriculum for the elementary school student. Assessment of student needs relevant to the fine arts and social studies curriculum, planning lessons and integrated units, effective instructional delivery, and evaluation of student progress and pre-service teacher effectiveness are included in this field-based course. Prerequisites: CI 3315; GEO 1310; 2.50 overall GPA.

4300 Middle Level Philosophy and Schooling. (3-0) Physical, social, emotional, cognitive, and moral characteristics of young adolescents in contexts of family, community, school, society. History and philosophy of middle school as a developmentally appropriate environment for young adolescents. Continued study of instruction that is affectively and cognitively appropriate for young adolescents. Prerequisites: RDG 4310; RDG 3315; 2.50 overall GPA. (WI)

4325 Classroom Management and Teacher-Student Relationships. (3-0) Course will focus on classroom management theories and models. Personal philosophy, beliefs, and style of teaching will be examined as they relate to the various methods of classroom management, student discipline, and teacher-student relationships. Prerequisites: CI 3310, 3315; RDG 4320; 2.50 overall GPA.

4332 Secondary Teaching: Curriculum and Technology. (3-0) This course investigates secondary curriculum, its history, organization, development, and representation in instructional materials. Students learn how curriculum is decided, impacted, and assessed, and the role of technology in curriculum. Topics include local, state, and national standards, trends, and roles of culture and technology in teaching and learning. Prerequisites: Junior standing and 2.50 overall GPA.

4343 Instructional Strategies for the Secondary Teacher. (3-0) This course focuses on the study of models for instruction, with attention to assessment and classroom management. Students develop and practice strategies for building classroom communities, teaching all learners, and integrating technology into instruction. The focus is on meeting the needs of individual learners while maintaining academic rigor. Prerequisites: CI 3325 and 4332; 2.50 overall GPA. Corequisites: CI 4370 and RDG 3323.

4350 Mathematics in the Integrated Elementary Curriculum. (3-0) Course provides an in-depth study of the mathematics content and methodology derived from principles of learning and research. Primary focus will be on the development of mathematics understanding and relevant applications rather than manipulation of numbers without context, purpose, or concepts. Students will develop the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and develop techniques for evaluating pupil progress within a field-based environment. Prerequisites: MATH 1315 or 1319; Junior classification; 2.50 overall GPA.

4355 Science in Elementary Education. (3-0) Course provides an overview of science standards and content, research-based science pedagogy, and the scientific process skills required for a developmentally appropriate, inquiry-driven science curriculum that facilitates the development of scientific literacy for all students, including second language learners. Prerequisites: PHYS 1310, 1320, 1110; BIO 1320; 2.5 overall GPA.

- 4360 Methods and Materials for Teaching ESL in the Content Areas. (3-0) This course addresses content, methods, and materials of elementary ESL classroom instruction, including curricula, strategies, and materials for meeting the needs of English language learners in all academic content areas. Prerequisites: ECE 4300 (for ESL Generalists); CI 3332, CI 4361 (for Bilingual Generalists); 2.5 overall GPA.
- 4361 Psychological Foundations of Bilingual Education. (3-0) The study of the educational foundation and development of bilingual education. The evaluation of achievement and learning ability of the Limited English Proficient (LEP) pupil will be examined. The psychological development of the LEP pupil and relationship of cultural values, socialization practices and learning styles will be analyzed. Prerequisites: Junior classification; 2.50 overall GPA.
- 4362 The Elementary Bilingual Content Areas. (3-0) A study of the mathematics, science, social studies, and language arts curriculum of the bilingual elementary classroom. Prerequisites: CI 3332, 4361, and 2.50 overall GPA.
- 4370 Classroom Management, Ethics, and Legal Issues in Secondary Teaching. (3-0) This course focuses on the development of an appropriate classroom management system based on current theory and research, analysis of legal and ethical issues as they relate to classroom teachers and students, and field experiences in a variety of secondary classroom environments. Prerequisites: CI 3325 and CI 4332; 2.5 overall GPA; Corequisites: CI 4343 and RDG 3323.
- 4375 Problems in Education – Elementary. (3-0) Individual problems related to areas of selected study for the undergraduate student seeking certification as an elementary teacher.
- 4376 Problems in Education – Secondary (3-0) Individual problems related to areas of selected study for the undergraduate student seeking certification as a secondary teacher.
- 4377 Problems in Bilingual Education (3-0) Individual problems related to areas of selected study for the undergraduate student, designed to meet individual differences for the purpose of certification. Prerequisite: overall GPA of 2.5.
- 4378 Problems in Education. (3-0) Individual problems related to areas of selected study for the undergraduate student, designed to meet individual differences for the purpose of certification. A letter following the course title on the permanent record will indicate the area of emphasis according to this code: (i) Elementary, (j) Secondary, and (l) Bilingual. Repeatable for credit with different emphasis. Prerequisite: 2.50 overall GPA.

Courses in Early Childhood Education (ECE)

- 3330 Early Childhood Development. (3-0) Basic principles of physical, cognitive, language, social and emotional development. Prerequisite: 2.50 overall GPA. (WI)
- 4300 The Languages of Children: Acquisition and Use. (3-0) This course is designed to provide pre-service teachers with pertinent information regarding the development of language and cognition in pre-school and school-aged children. Information regarding language structure, the sequence of development as well as the cognitive and social aspects of language acquisition and use will be included. Prerequisites: Sophomore classification; 2.50 overall GPA.

- 4310 Seminar for Teachers of Young Children. (3-1.5) Directed field experiences in observation, participation, problem solving, assessing and teaching in programs for young children. A minimum of 1.5 hour seminar per week is required in addition to assignment (three hours weekly) in an approved preschool or kindergarten program. Prerequisites: ECE 4300, 4352; 2.50 overall GPA.
- 4352 Curriculum for Preschool and Kindergarten Children. (3-0) Emphasizes research, program development, and developmentally appropriate teaching strategies, materials and activities for children ages 3-6 and collaboration with families. Prerequisites: ECE 4300; 2.50 overall GPA.
- 4380 Independent Study in Early Childhood. (3-0) In-depth study of selected topics of current need or interest in early childhood education. Work due on independent study basis with faculty member and only with permission of department. Repeatable for credit with different emphasis. Prerequisite: 2.50 overall GPA.

Courses in Reading (RDG)

- 1300 Reading Improvement. (3-2) A content-based learning strategies course for students who require compensatory instruction in vocabulary, reading comprehension, critical reading, study skills, and test-taking skills. Required for students who fail to make passing scores on the TASP reading subtest. Concurrent enrollment in specific sections of appropriate general education courses is required. Credit earned for this course will not count toward any baccalaureate degree offered by the University.
- 3312 Reading and Writing Instruction for Children with Special Needs. (3-0) Course focuses on classroom reading instruction for children not making average progress in literacy. Course topics: nature and identification of literacy difficulties, including dyslexia; modification of instruction for children with special needs; diagnostic teaching, teacher/program effectiveness and legal requirements of special populations. Prerequisites: RDG 3321, 3315; 2.50 overall GPA.
- 3315 Assessing Literacy: Early Childhood Through Grade Six. (3-0) Students will understand principles of literacy assessment to guide literacy instruction for all children, including culturally and linguistically diverse students, and plan appropriate instruction in a field-based setting. Prerequisites: CI 3315, 3310, 3332, 4360, ECE 4300, 4310, 4352; Co-requisites: RDG 3321, 3320; 2.5 overall GPA.
- 3320 Integrating Reading and Writing. (3-0) Course focuses on the integration of reading and writing with other subject areas, especially social studies, with special attention given to ESL methodologies for language arts instruction. The workshop approach for reading and writing is emphasized. Co-requisites: RDG 3315, RDG 3321; 2.5 overall GPA. (WI)
- 3321 Literacy Instruction for Early Childhood Through Grade Six. (3-0) Course provides for the understanding, critical analysis, and application of current literacy methods and materials, with a focus on ESL theories and methodologies. Course is taught in a field-based setting. Prerequisites: CI 3315, 3310, 3332, 4360, ECE 4300, 4310, 4352; Co-requisites: RDG 3315, 3320; 2.5 overall GPA. (WI)
- 3323 Teaching Reading in the Content Areas. (3-0) Provides information about reading in secondary content areas

emphasizing selection and use of materials, including textbooks in print and electronic formats. Topics include instructional strategies, assessment of comprehension, and adapting instruction to meet student needs. Prerequisites: CI 3310; 2.50 overall GPA.

4310 Content Reading. (3-3) Course provides information about instruction in the elementary content areas with emphasis on the effective use of textbooks and tradebooks. Course topics include: nature and purpose of content instruction and reading, text selection, use of tradebooks, comprehension, inquiry learning and problem solving, and assessment and meeting individual needs in content reading. Prerequisites: CI 3310, 3325; 2.50 overall GPA.

4320 Language and Literacy in Diverse Communities. (3-0) Course includes the examination of sociolinguistic theories and an introduction to culturally responsive teaching of literacy. Topics address social identity factors, ethnicity, language variation, bilingualism, and the acquisition of Standard American English with implications for effective literacy instruction. Corequisites: CI 3315, CI 3310, ECE 4300; 2.50 overall GPA. (MC)

4335 Clinical Practicum. (3-0) This is the final course in the concentration. Course content has to do with diagnosis and remediation of reading disabilities; the main emphasis is on student development of prescribed competencies through observation and participation in the Reading Center for a minimum of five hours per week. Prerequisite: 2.50 overall GPA.

4380 Independent Study in Reading Instruction. (3-0) Analysis and interpretation of selected topics of special interest in reading and language arts instruction. Topics and instructors will vary from semester to semester. Repeatable for credit with different emphasis. Prerequisite: 2.50 overall GPA.

Courses in Special Education (SPED)

2360 Survey of Exceptionality. (3-0) Course provides for the examination of types, characteristics, and causes of various exceptionalities; identifies federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.

3338 Educating Students with Emotional/Behavioral Disorders. (3-0) This course addresses topics associated with teaching students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues. Prerequisites or Co-requisites: SPED 2360, 3390; 2.50 overall GPA.

3390 Assessing Students with Disabilities. (3-0) The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction or remediation. Prerequisite: 2.50 overall GPA.

4310 Selected Topics in Special Education. (3-0) In-depth study of selected topics of current interest in special education. Work done on an independent study basis with faculty member and available only with permission of department. Prerequisite: 2.50 overall GPA.

4344 Educating Students with Mild Disabilities. (3-0) Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented. Prerequisite: 2.50 overall GPA.

4345 Teaching Language Arts to Students with Disabilities. (3-0) Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas. Prerequisites: SPED 2360, 3390; 2.50 overall GPA.

4374 Classroom and Behavior Management Strategies for Students with Disabilities. (3-0) Effective strategies for classroom management. Topics include: common management problems, evaluation of classroom management approaches, strategies for preventing behavior problems, teaching new behaviors, increasing desired group and individual behaviors, and positive strategies for reducing inappropriate group and individual behaviors. Prerequisite: 2.50 overall GPA.

4381 Educating Students with Mental Retardation and Other Severe Disabilities. (3-0) This course provides an overview of student characteristics and appropriate instructional techniques pertaining to individuals with mental retardation and other severe disabilities. Techniques will include specialized assessment and instructional strategies, functional curriculum development, transition planning, positive behavior supports, medical management, physical management, and assistive technologies. Prerequisites: SPED 2360, 3390; 2.50 overall GPA.

4389 Special Education Practicum. (0-20) This course provides opportunities for students to design and apply assessment, planning, and instructional strategies. Students may be required to instruct in one or more content areas including academic, life, social, prevocational or vocational and/or communication skills. Prerequisites: SPED 2360, 3390; SPED 4345 or 4374; 2.50 overall GPA.

Department of Counseling, Leadership, Adult Education, and School Psychology

Education Building 4037
T: 512.245.2575 F: 512.245.8872
www.txstate.edu/clas

The Department of Counseling, Leadership, Adult Education, and School Psychology (CLAS) is primarily a graduate department, offering programs in professional counseling, guidance and counseling, adult and developmental education, educational leadership, and school psychology. While the department offers no undergraduate degrees, it does provide support courses for other programs.

Courses in Counseling (COUN)

- 3320 Introduction to Counseling and Psychotherapy. (3-0) The course is designed for upper-division undergraduates considering a helping profession or who wish to know more about counseling before entering into graduate study. The course offers introduction to counseling, counseling theories, and interpersonal communication skills that facilitate counseling relationships. Repeatable for credit with different emphasis.
- 4378 Student Issues in Higher Education. (3-0) This course provides learners with the knowledge to perform the role of a Resident Assistant. Through active discussions, hands-on projects and several guest speakers, learners will explore the multiple tasks and responsibilities of a Resident Assistant, as well as the history and philosophy of residence life and higher education. Repeatable for credit with different emphasis.

Courses in Educational Psychology (EDP)

- 1350 Effective Learning. (3-0) A study of the acquisition of procedural knowledge through the application of human learning theory, cognitive behavior modifications, and developmental psychology. Generalization and transfer of this knowledge will be emphasized. Repeatable for credit with different emphasis.
- 4378 Student Issues in Higher Education. (3-0) This course serves as a survey course to examine issues faced by college students, specifically those living in a residence hall environment. Topics include but are not limited to new student adjustment, student development theory, security and safety, diversity, discipline, community building, civic responsibility, eating disorders, suicide, depression, and helping skills. Students learn skills that will enable them to assist others who are facing these issues. Students interested in becoming Resident Assistants are highly encouraged to take this course prior to applying for the position. May be repeated for credit.

Department of Health and Human Performance

Jowers Center A116
T: 512.245.2561 F: 512.245.8678
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DEGREE PROGRAMS OFFERED

- BESS, major in Exercise and Sports Science
BESS, major in Exercise and Sports Science
(Pre-Physical Therapy Emphasis)
BESS, major in Exercise and Sports Science
(with All-Level Physical Education Teacher Certification)
BESS, major in Health and Fitness Management
BHWP, major in Health and Wellness Promotion
BHWP, major in Health and Wellness Promotion
(with All-Level Health Education Teacher Certification)
BS, major in Athletic Training
BSRA, major in Recreational Administration
BSRA, major in Recreational Administration
(Therapeutic Recreation Emphasis)

MINORS OFFERED

- Coaching Athletics
Exercise and Sports Science
Health and Wellness Promotion
Recreational Administration

The Bachelor of Exercise and Sports Science prepares students for careers as teachers in elementary and secondary schools, as athletic coaches, and as personal trainers. Students must obtain an All-Level teacher certification for careers in public schools. Graduates with teacher certification work in elementary and secondary schools in Texas and elsewhere. The Exercise and Sports Science program also provides students the option to obtain a degree with a Pre-Physical Therapy emphasis that will fully prepare students to enter the application process for the physical therapy program. The Pre-Physical Therapy emphasis gives undergraduate students an exceptional "head start" in gaining admission to a physical therapy school, whether here at Texas State or elsewhere.

The Bachelor of Athletic Training concerns all aspects of the athletes' health and safety. Athletic trainers help prevent injuries and provide immediate treatment and rehabilitation for injured athletes as directed by a team physician. The Bachelor of Science degree with a major in Athletic Training prepares students for the State of Texas Athletic Trainers' License and the National Athletic Trainer's Association Board of Certification examination. Texas State's athletic training education program was one of the first educational programs to receive National Athletic Trainers' Association (NATA) approval in 1974 and is presently accredited by the Commission on Accreditation of Allied Health Education Programs. Most graduates work in secondary schools; many athletic trainers find positions with colleges and universities, professional sport teams, and sport medicine clinics, as well.

The curriculum phase of Athletic Training is highly competitive, and entry into this phase of the athletic training major is not guaranteed upon completion of the pre-professional phase. The determining factors for admission into the clinical phase of the major include: academic achievement, successful completion of the pre-professional phase, expression of professional goals, observation/volunteer experience, and a structured interview.

The Health and Fitness Management program is available under the Bachelor of Exercise and Sports Science degree and prepares students to direct fitness enterprises and wellness or health awareness programs in commercial, corporate, and institutional settings. Areas of study include fitness programming, stress management, smoking cessation, diet/nutrition, health-risk appraisal, and employee assistance. The curriculum also allows students to acquire the academic and clinical prerequisites needed to earn professional certification. Graduates work as fitness leaders, exercise testing technicians, cardiac rehabilitation specialists, or corrective therapists. Others are employed as salespersons, administrators, and managers of sports or fitness facilities.

Health promotion is the process of improving people's understanding, attitudes, and conduct regarding individual and community health. The Bachelor of Health and Wellness Promotion provides a major in Health and Wellness Promotion with All-Level teacher certification or a non-teaching major with a specialization in community health promotion. Professionals in Health Promotion teach elementary or secondary schools, or they work in community health agencies. Texas State health promotion graduates work in education, emergency medical services, senior citizens programming, worksite wellness programs, Public Health Departments, Volunteer Health Organizations, and various other fields.

The Bachelor of Science in Recreational Administration combines classroom learning and on-the-job training. Students study such areas as recreation programming, leadership, marketing, evaluation, leisure education, administration, and therapeutic recreation. Recreational administration graduates, including those with an emphasis in therapeutic recreation, work in camps, nursing homes, community recreation centers, resorts, hospitals, rehabilitation facilities, fitness centers, and state and national parks. The program is nationally accredited, as well as the therapeutic recreation emphasis. Graduates of this program are eligible (sit for exams) for National Council for Therapeutic Recreation Certification (CTRS) and/or the National Recreation and Park Association's National Certification Board (CLP).

PFW General Education Courses

The Texas State general education core curriculum includes a two-course physical fitness/wellness requirement. Veterans with a DD214 discharge form or those with similar active duty in the National Guard or Armed Forces of another nation may receive up to 4 hours of PFW credit, thus fulfilling the Physical Fitness requirement. Students with documented disabilities should consult with the Department of Health and Human Performance for appropriate accommodations.

Students select two courses from: PFW 1101-1139, 1150-1164, and 1166-1225.

Bachelor of Exercise and Sports Science
Major in Exercise and Sports Science
Minimum required: 120 semester hours

General Requirements:

1. A minor is required and must not be a minor in Exercise and Sports Science or a minor in Coaching Athletics.
2. Students are required to take 5 activity courses in addition to the 2 core PFW courses. PE activity courses should be taken in the specific areas described below:
 - Fitness and Wellness (1 credit hour): PE 1100.
 - Team Sports (1 credit hour), select from: PE 1171A, 1172A, 1177A, 1178A, PFW 1160A, PFW 1130B.
 - Individual Sports (1 credit hour), select from: PE 1170A, 1176A, 1192A, PFW 1155G.
 - Conditioning (1 credit hour), select from: PE 1175A; PFW 1110A, 1110B, 1110F, 1135A, 1135B, 1190B.
 - Weight Training (1 credit hour): PE 1179A.
3. Any other PFW courses may be used to satisfy the 2 PFW core requirements.
4. Two PE advanced elective theory courses are to be chosen from PE 3323, 3340, 4317, 4318, 4391, 4392, or 4393.
5. Two advanced supporting courses are to be chosen from: NUTR 3362, 3363, 3364, H ED 3321, 3348, 3350, 3376, 4340, 4350, or PSY 3350.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	AT 2356	3	Advanced Support Courses	3	Advanced Support Courses	3
ENG 1310, 1320	6	BIO 2430	4	ART 2313, DAN 2313, MU 2313, or TH 2313	3	Minor	9
POSI 2310, HIST 1310	6	CS 1308 or CIS 1323	3	Electives	3	PE advanced elective theory	3
MATH 1315, 1316, 1319, or 2321	3	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	Minor	6	Electives	4
BIO 1320, 1421, 1430, CHEM 1341/1141, or PHYS 1410	7-8	H ED 2338, 2340, or 2354	3	PE 3317/3117, 3320, 3329	10	PE 4323, 4351	6
PE 1100	1	Minor	3	PE advanced elective theory	3	Two PFW courses	2
PE 1310	3	PE 1179A	1	PE/PFW major activities	2		
PHIL 1305 or 1320	3	PE/PFW major activities	1				
US 1100	1	HIST 1320, POSI 2320	6				
		GEO 1310, ANTH 1312, ECO 2301, PSY 1300, or SOCI 1310	3				
Total	33-34	Total	33	Total	30	Total	27

Bachelor of Exercise and Sports Science
Major in Exercise and Sports Science
(with Pre-Physical Therapy Emphasis)
Minimum required: 120 semester hours

General Requirements:

1. Completion of this degree does not guarantee admission into a graduate program in Physical Therapy. For information about graduate study, please visit an Advisor in the College of Education.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
AT 2356	3	AT 3236/3136, 3326/3126, 3328/3128	11	ART 2313, DAN 2313, MU 2313, or TH 2313		AT 3358, 4360	6
BIO 1430 or 1431, 2430	8	CHEM 1341/1141, 1342/1142	8	AT 3246/3146, 3226	3	HP 3302	3
ENG 1310, 1320	6	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	PE 3317/3117	5	PE 3320, 3329	9
POSI 2310, HIST 1310	6	SOCI 1310	3	HIM 2360	4	PE 4317 or 4318	3
PE 1128, 1179A	2	MATH 1315 or 1317	3	PHIL 1305 or 1320	3	PSY 3300 or 3315	3
PSY 1300	3	POSI 2320	3	PHYS 1410, 1420	3	NUTR 3362 or 3364	3
US 1100	1			HIST 1320	8	PT 3400	4
COMM 1310	3				3		
Total	32	Total	31	Total	29	Total	31

Bachelor of Exercise and Sports Science
Major in Exercise and Sports Science
(with All-Level Physical Education Teacher Certification)
Minimum required: 128 semester hours

General Requirements:

1. A minor, or second teaching field, is required and must not be a minor in Exercise and Sports Science or a minor in Coaching Athletics. Courses toward a second teaching field are recommended to improve job opportunities. Consult an academic advisor for a list of available second teaching fields (18-24 hours).
2. Students are required to take 5 activity courses in addition to the 2 core PFW courses. PE activity courses should be taken in the specific areas described below:
 - Fitness and Wellness (1 credit hour): PE 1100.
 - Team Sports (1 credit hour), select from: PE 1171A, 1172A, 1177A, 1178A, PFW 1130B, or 1160A.
 - Individual Sports (1 credit hour), select from: PE 1170A, 1176A, 1192A, or PFW 1155G.
 - Conditioning (1 credit hour), select from: PE 1175A; PFW 1110A, 1110B, 1110F, 1135A, 1135B, 1190B.
 - Weight Training (1 credit hour): PE 1179A.
3. Any other PFW courses may be used to satisfy the 2 PFW core requirements.
4. Students must complete three hours of PE advanced elective theory courses from: PE 3323, 3340, 4317, 4318, 4391, 4392, or 4393.
5. Overall GPA of 2.50 is a prerequisite for all teacher certification courses. Major, pedagogy, and second teaching field courses must be completed with grades of "C" or better. GPAs of 2.50 in the major, second teaching field, and pedagogy are required for student teaching.
6. Students must be admitted into Educator Preparation program (www.education.txstate.edu/oep).

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	AT 2356	3	ART 2313, DAN 2313, MU		CI 4370, 4343	6
ENG 1310, 1320	6	BIO 2430	4	2313, or TH 2313	3	RDG 3323	3
POSI 2310, HIST 1310	6	ENG Literature 2310, 2320, 2330, 2340,		CI 4332, 3325	6	PE 4323, 4351	6
MATH 1315, 1316, 1319, or 2321	3	2359, or 2360	3	PE 3317/3117, 3320, 3324,		PE advanced elective theory	3
BIO 1320, 1421, 1430, CHEM		Minor	6	3329	16	Minor	3
1341/1141, or PHYS 1410	7-8	PE 1179A	1	Minor	9	PFW two courses	2
PE 1100	1	PE 2320	3	PE/PFW major activities	1	EDST 4380, 4381	6
PE 1310	3	PE/PFW major activities	2				
PHIL 1305 or 1320	3	HIST 1320, POSI 2320	6				
US 1100	1	GEO 1310, ANTH 1312, ECO 2301, PSY					
		1300, or SOCI 1310	3				
Total	33-34	Total	31	Total	35	Total	29

**Bachelor of Science
Major in Athletic Training
Minimum required: 123 semester hours**

General Requirements:

1. Students are admitted into the degree program according to university policies, as well as regulations set forth by the National Athletic Trainers' Association, Commission on Accreditation of Allied Health Education Programs and the Board of Athletic Trainers of the State of Texas. Students desiring admission must see the program director to obtain an application. Please refer to <http://www.hhp.txstate.edu/>.
2. Students must be committed to taking the Board of Certification exam, as well as the State of Texas License exam, before graduation.
3. To be considered for admission to the athletic training program, students must:
 - Enroll as a pre-athletic training major.
 - Complete the application including a professional letter and current resume.
 - Establish a minimum Texas State GPA of 2.75.
 - Completion of three letters of reference using department form.
 - Complete AT 1298, 2156, 2356, and BIO 2340.
 - Hold current CPR/AED certification.
 - Complete the Directed Observation/Interview Process.
 - Other considerations for admittance include: experience, attendance at workshops, clinics, campus, etc.
4. "Final Acceptance Objective Measurement of Pre-Athletic Training Student" is available to view at www.hper.txstate.edu/hper/clubs/athleticTraining/ATAdmissionReq.htm
5. Required Technical Standards for the program are available at the department website listed above, in the AT 1298 Policy & Procedure Manual, or from the program director.
6. Students accepted into the program must successfully pass a physical examination and show current immunization records at the Texas State Student Health Center.
7. Students must purchase personal liability insurance through the HHP Department.
8. Students must maintain a Texas State GPA of 2.75 at all times while pursuing the degree in order to graduate.
9. A minimum of three years of clinical experience at the university level is required. Clinical experience constitutes attendance at scheduled seminars and working a minimum of 20 clock hours each week as an athletic training student with approved supervision for a minimum of 600 hours each year.
10. Transfer students must get a transfer evaluation completed by the program director. Students should not assume classes taken at another institution will be accepted as credit for the program. Most required courses must be taken while enrolled as an athletic training major at Texas State. Clinical hours completed elsewhere are not transferable.
11. Upon completion of the degree, the applicant will be qualified for the State of Texas Athletic Trainers License and the Board of Certification examination pending approval by the two boards after successfully passing the tests administered by the two respective boards.
12. Athletic training does not constitute a teaching field; therefore, the following courses will need to be completed for students desiring All-level Physical Education Teacher Certification while enrolled as an undergraduate student: three activity courses prescribed by the College of Education Center for Student and Professional Services and PE 2320, 3324, 3322; CI 4332, 3325, 4343, 4370; RDG 3323; and EDST 4380, 4381. All teacher certification policies and procedures must be followed.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BIO 1421 or 1430; 2430	8	PHIL 1305 or 1320	3	PE 3317/3117	4	H ED 2354	3
COMM 1310	3	ART 2313, DAN 2313, MU 2313, or TH 2313	3	AT 3246/3146, 3358, 3497, 3498	14	AT 3356, 4497, 4498	11
ENG 1310, 1320	6	PSY 1300 or SOCI 1310	3	AT 3236/3136, 3326/3126, 3328/3128	11	AT 3226	2
US 1100	1	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3			NUTR 3362 or 3364	3
POSI 2310, HIST 1310	6	HIST 1320, POSI 2320	6			PT 3400	4
MATH 1315, 1316 or 1319	3	PHYS 1410 or 1420	4			PE 3320, 4351	6
AT 1298, 2156, 2356	6	PE 1128, 1179A	2				
		AT 2497, 2498	8				
Total	33	Total	32	Total	29	Total	29

Bachelor of Exercise and Sports Science
Major in Health and Fitness Management
 (with Minor in Business Administration)
 Minimum required: 120 semester hours

General Requirements:

1. In addition to the 2 core PFW courses, students are required to take 6 activity courses in the specific areas described below:
 - Concepts of Lifetime Fitness and Wellness (1 credit hour): PE 1100 or PFW 1101.
 - Weight Training (1 credit hour): PE 1179A.
 - Aerobic Conditioning (1 credit hour): PFW 1110A.
 - Basic Fitness Activities (1 credit hour): PFW 1110F.
 - Individual and Team Sports (1 credit hour): PE 1170A, 1171A, 1172A, 1176A, 1177A, 1178A; PFW 1110C, 1125A, 1150D, 1155B, 1155G, 1155K, 1160A.
 - Other conditioning activities (1 credit hour): PE 1175A, PE 1192A; PFW 1110I, 1130B, 1135A, 1150F, 1190B, 1190F.
2. Any other PFW courses may be used to satisfy the 2 core PFW requirements.
3. Students must complete a minor in Business Administration. The minor includes: ECO 2301, ACC 2301, and 12 hours selected from: BLAW 2361, CIS 3317, FIN 3325, MGT 3303, and MKT 3343.
4. A 2.0 GPA is required for the minor.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	ACC 2301	3	H ED 4336, SOCI 3340, MC 3343,		PE 4317, 4318, 4351	9
ENG 1310, 1320	6	AT 2356	3	NUTR 3362, 3364, PSY 3350, 3361,		PFW two courses	2
POSI 2310, HIST 1310	6	BIO 2430	4	or 4390L	3	H ED 4640, 4660	12
MATH 1315, 1316, 1319, or 2321	3	Minor	3	ART 2313, DAN 2313, MU 2313, or TH 2313	3		
BIO 1320, 1421, 1430, CHEM 1341/1141, or PHYS 1410	7-8	ECO 2301	3	Minor	9		
PE 1100 or PFW 1101	1	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	PE 3317/3117, 3320, 3323	10		
PE 1179A, 1310	4	H ED 2340	3	PE 3329, 4391, 4392, or 4393	3		
PHIL 1350 or 1320	3	PFW 1110A	1	PE major activity courses	2		
US 1100	1	PFW 1110F	1	REC 1370 or PE 4323	3		
		HIST 1320, POSI 2320	6				
Total	34-35	Total	30	Total	33	Total	23

Bachelor of Health and Wellness Promotion
Major in Health and Wellness Promotion
 Minimum required: 120 semester hours

General Requirements:

1. A minor is required.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	CS 1308, CIS 1323, or HP 2351	3	ART 2313, DAN 2313, MU 2313, or TH 2313		HP 3302	3
ENG 1310, 1320	6	BIO 2430	4		3	H ED 4640, 4660	12
H ED 1320	3	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	H ED 3350, 3376	6	Minor Courses	9
POSI 2310, HIST 1310	6	H ED 2340, 2354	6	H ED 2338, 3301, 3348, or 3360	3	PSY 3350	3
MATH 1315, 1316 or 1319	3	H ED 2338, 3301, 3348, or 3360	3	NUTR 3362 or 3364	3	PFW one course	1
Natural Science Component	7-8	Minor	3	PE 3317/3117	4		
PHIL 1305 or 1320	3	PFW one course	1	Minor Courses	6		
US 1100	1	HIST 1320, POSI 2320	6				
		GEO 1310, ANTH 1312, ECO 2301, PSY 1300, or SOCI 1310	3				
Total	32-33	Total	32	Total	25	Total	28

Bachelor of Health and Wellness Promotion Major in Health and Wellness Promotion (with All-Level Teacher Certification) Minimum required: 128 semester hours							
General Requirements: 1. A minor or second teaching field is required. Courses toward a second teaching field are recommended in order to improve job opportunities. Consult an academic advisor for a list of available second teaching fields (18-24 hours). 2. Overall GPA of 2.50 is a pre-requisite for all teacher certification courses. Major, pedagogy, and second teaching field courses must be completed with grades of "C" or better. GPAs of 2.50 in the major, second teaching field, and pedagogy are required for student teaching. 3. Students must be admitted into Educator Preparation program (www.education.txstate.edu/oep).							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	BIO 2430	4	ART 2313, DAN 2313, MU 2313, or TH 2313	3	CI 4370, 4343	6
ENG 1310, 1320	6	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	CI 4332, 3325	6	EDST 4380, 4381	6
H ED 1310	3	H ED 2338, 1320, 2354	9	H ED 2340, 3321, 3331, 3342, 3348, 3350, 3360	21	RDG 3323	3
POSI 2310, HIST 1310	6	Minor	6	Minor	6	H ED 3301, 4336	6
MATH 1315, 1316 or 1319	3	PFW	1			Minor	6
Natural Science Component	7-8	HIST 1320, POSI 2320	6				
PHIL 1305 or 1320	3	GEO 1310, ANTH 1312, ECO 2301, PSY 1300, or SOCI 1310	3				
PFW	1						
US 1100	1						
Total	33-34	Total	32	Total	36	Total	27

Bachelor of Science in Recreational Administration Major in Recreational Administration Minimum required: 120 semester hours							
General Requirements: 1. Majors will be eligible to sit for the certification examination by the National Certification Board of the National Recreation and Park Association. 2. Advanced hours requirements are to be prescribed by faculty advisor.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	COMM 1310	3	ART 2313, DAN 2313, MU 2313, or TH 2313	3	H ED 1310, 2338, 3321; PE 3317/3117, or 3320	3-4
POSI 2310, HIST 1310	6	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	CIS 1323 or CS 1308	3	REC 4350, 4380, 4680	12
MATH 1315, 1316 or 1319	3	PHIL 1350 or 1320	3	COMM 2315, 2330, 2338, or TH 3370	3	Advanced Hours	12
Natural Science Component	7-8	HIST 1320, POSI 2320	6	MC 3343, 3367, 3390, or 4356E	3	Elective	2
PFW two courses	2	REC 1330, 2330, 2335, 3360	12	REC 3325, 3340, 3351, 4330, 4381	15		
REC 1310, 1370	6	GEO 1310, ANTH 1312, ECO 2301, PSY 1300, or SOCI 1310	3	Elective	3		
US 1100	1						
Total	31-32	Total	30	Total	30	Total	29-30

Bachelor of Science in Recreational Administration Major in Recreational Administration (with Therapeutic Recreation Emphasis) Minimum required: 120 semester hours							
General Requirements: 1. Majors will be eligible to sit for the certification exam given by the National Council for Therapeutic Recreation Certification and the Texas Consortium for Therapeutic Recreation/Activities Certification.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	BIO 2430	4	ART 2313, DAN 2313, MU 2313, or TH 2313	3	REC 3370, 4370, 4380, 4680	15
POSI 2310, HIST 1310	6	COMM 1310	3	CIS 1323 or CS 1308	3	HIM 2360; PE 4323, 3320, 3329;	
MATH 1315, 1316 or 1319	3	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	H ED 2354	3	PSY 3312, 3313, 3350, 3361;	
Natural Science Component	7-8	PHIL 1350 or 1320	3	PFW 1154A or 1154B	1	SOCI 1310, 3300, 3338, 3343, 3347, 3383, 3384; or SPED 2360,	
PFW two courses	2	HIST 1320, POSI 2320	6	PSY 3300	3	3338, 4344, or 4381	
REC 1310, 1370	6	REC 2330, 2335, 2370	9	REC 3325, 3351, 4381	9	PSY 3315	9
US 1100	1	PSY 1300	3	Choose 3 courses from: REC 1330, 3340, 4320 or 4350	9		3
Total	31-32	Total	31	Total	30	Total	27

Minor in Coaching Athletics

A minor in Coaching Athletics is a 25 credit-hour program. The Coaching minor is a concentration of courses selected to develop six components representing the essential elements for certifying coaches in education. These essential elements are: (1) medical-legal aspects of coaching, (2) human growth and developmental aspects of coaching, (3) psycho-social aspects of coaching, (4) bio-physical aspects of coaching, (5) theoretical and technical aspects of coaching and (6) practicum in athletic coaching.

The five required core courses are PE 1310, 3317/3117 (prerequisite BIO 2430), 3320, 3329, and AT 2356. Two theoretical courses are to be elected from PE 3340, 4391, 4392 or 4393. The independent study course that will be used as a practicum is PE 4337.

- Core courses: 16 hours from PE 1310, 3317/3117, 3320, 3329, AT 2356
- Courses from the Theoretical Block: 6 hours from PE 2390, 3322, 3340, 4391, 4392, 4393
- An internship or practicum experience: PE 4337

Students select an independent study course that will serve as their practicum and permit them to apply coaching principles and skills in a specific context. Part of this independent study will require students to work with coaches, either in college, public school or recreational program outside of the campus environment. This will allow the students to gain on-hands experience and expertise. Students will be evaluated on their cognitive and professional skills developed by the Texas State instructor and their collaborating site supervisors.

Minor in Exercise and Sports Science

A minor in Exercise and Sports Science requires 25 hours, including AT 2356; PE 1310, 3317/3117 (prerequisite BIO 2430), 3320, 4323 or 3329, 4351, 3 hours PE elective theory; 3 PE major/minor courses (PE 1170-1192).

Minor in Health and Wellness Promotion

A minor in Health and Wellness Promotion requires 24 hours, including H ED 1320, 2340, 3350, 4336, and 4640.

*Eligibility for the Certified Health Education Specialist (CHES) certification requires an additional 7 hours from upper-level (3000 or higher) health education (HED) courses.

Second Teaching Field in Health and Wellness Promotion

A minor in Health and Wellness Promotion requires 24 hours, including H ED 1310, 1320, 3321, 3331, 3350 and 3 courses from: 2338, 3301, 3348 or 3360.

Minor in Recreational Administration

A minor in Recreational Administration requires 21 hours, including REC 1310, 2330, 2335, 3325, 4381, and six hours selected from: REC 1330, 3340, 3351, 4330, or 4350.

Courses in Athletic Training (AT)

- 1298 Orientation to Athletic Training Education. (1-1) Pre-Athletic Training majors will be introduced to the academic and clinical aspects of the CAATE accredited athletic training education program. The course is utilized as part of the rigorous student evaluation process before formal entrance into the athletic training education program. Prerequisite: Must be admitted to the Athletic Training major or to the Pre-Physical Therapy Emphasis.
- 2156 Taping and Bandaging Athletic Injuries. (1-2) This course focuses on the use of taping, bracing, and bandaging techniques in the prevention and care of athletic injuries.
- 2356 Prevention and Care of Athletic Injuries. (3-0) This course focuses on the theoretical and practical aspects of the prevention, treatment, and rehabilitation of athletic injuries.
- 2497 Clinical Experience in Athletic Training I. (2-20) This course addresses emergency management and athletic injury prevention. These topics are integrated into a clinical education experience to assess professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case

- simulations. The course incorporates didactic education and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: Must be admitted to an Athletic Training major.
- 2498 Clinical Experience in Athletic Training II. (2-20) This course addresses athletic injury evaluation and management. These topics are integrated into a clinical education experience to assess professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic education and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: Must be admitted to Athletic Training major.
- 3126 Applied Laboratory of Upper Extremity Injuries. (0-2) This course will present a study and critical analysis of the anatomy, injury signs and symptoms, and special tests used in the clinical evaluation of upper extremity injuries to the physically active individual. Co-requisite: AT 3326. Prerequisite: Must be admitted to the Athletic Training major or to the Pre-Physical Therapy Emphasis.
- 3128 Applied Laboratory of Lower Extremity Injuries. (0-2) This course will present a study and critical analysis of the anatomy, injury signs and symptoms, and special tests used in the clinical evaluation of lower extremity injuries to the physically active individual. Co-requisite: AT 3328. Prerequisite: Must be admitted to the Athletic Training major or to the Pre-Physical Therapy Emphasis.
- 3136 Applied Laboratory for Therapeutic Modalities. (0-2) This course provides students with experiences in laboratory and field applications of therapeutic modalities of all athletic injuries. Co-requisite: AT 3326. Prerequisite: Must be admitted to the Athletic Training major or to the Pre-Physical Therapy Emphasis.
- 3146 Applied Laboratory for Therapeutic Exercise and Rehabilitation. (0-2) This course provides students with experiences in laboratory and field applications of therapeutic exercise and rehabilitation of athletic injuries. Co-requisite: AT 3246. Prerequisite: Must be admitted to the Athletic Training major or to the Pre-Physical Therapy Emphasis.
- 3226 Medical Conditions and Disabilities. (2-0) This course focuses on evaluation and management strategies of primarily non-orthopaedic conditions commonly encountered in a physically active population and, to a lesser extent, special populations. Prerequisite: Must be admitted to the Athletic Training major or to the Pre-Physical Therapy Emphasis. Prerequisite Course(s): BIO 1421 or 1430, BIO 2430.
- 3236 Principles and Techniques of Therapeutic Modalities. (2-0) This course is designed to provide both a theoretical and clinical basis for the use of therapeutic modalities in the rehabilitation setting, as well as impart knowledge pertaining to the physiological effects, indications, contraindications, and applications of therapeutic modalities and in the rehabilitation of all athletic injuries. MINIMUM 2.75 TxState GPA. Co-requisite: AT 3146.
- 3246 Therapeutic Exercise and Rehabilitation. (2-0) Designed to provide a theoretical and clinical basis for the use of therapeutic exercise in the rehabilitation setting, and to impart knowledge pertaining to the physiological effects, indications, contraindications, and applications of therapeutic exercise and in the rehabilitation of athletic injuries. Prerequisites: AT 3326, AT 3328, and PT 3400, MINIMUM 2.75 TxState GPA. Co-requisite: AT 3146.
- 3326 Evaluation Techniques of Upper Extremity Injuries. (3-0) The course will present a study and critical analysis of the anatomy, injury signs and symptoms, and specific tests used in the clinical evaluation of upper extremity injuries to the physically active individual. Co-requisite: AT 3126. Prerequisite: AT 2356, MINIMUM 2.75 TxState GPA.
- 3328 Evaluation Techniques of Lower Extremity Injuries. (3-0) The course will present a study and critical analysis of the anatomy, injury signs and symptoms, and specific tests used in the clinical evaluation of lower extremity injuries to the physically active individual. Co-requisite: AT 3128. Prerequisite: AT 2356; BIO 2430, MINIMUM 2.75 TxState GPA.
- 3356 Organization and Management of Athletic Training Programs. (3-0) This course focuses on the administrative aspects of Athletic Training program management. Topics will include, but are not limited to, medical, ethical, legal, personnel and financial management, medical recordkeeping, facilities, supply requisition and inventory, third party reimbursement, drug testing, and other current professional issues. Prerequisite: AT 3326.
- 3358 Clinical Pathopharmacology. (3-0) This course combines pathophysiology, the study of dynamic aspects of disease processes and study of drugs prescribed to prevent, diagnose, cure, or care for disease across the lifespan. Content includes etiology, pathogenesis, clinical presentation, implications for treatment, and pharmacological management. Prerequisite: BIO 2430 or PT 3400.
- 3497 Clinical Experience in Athletic Training III. (2-20) This course integrates topics in advanced athletic injury evaluation and management into a clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: C or better in AT 2497.
- 3498 Clinical Experience in Athletic Training IV. (2-20) This course integrates topics in therapeutic modalities, non-orthopaedic illnesses/conditions and pharmacology, and psychosocial concerns into a clinical education experience that assesses professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: C or better in AT 2498.
- 4360 Internship in Clinical Settings. (0-20) Students will be introduced to the clinical aspects of allied health professions by being assigned to a minimum of two clinical sites. Prerequisite: Instructor consent. Prerequisite: Must be admitted to the Athletic Training major or to the Pre-Physical Therapy Emphasis.
- 4497 Clinical Experience in Athletic Training V. (2-20) This course integrates topics in therapeutic interventions and exercise into a clinical education experience that assesses professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site

under the supervision of a clinical instructor. Prerequisite: C or better in AT 3497.

- 4498 Clinical Experience in Athletic Training VI. (2-20) This course integrates topics in nutrition, professionalism, and administration into a clinical education experience that assesses professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: C or better in AT 3498.

Courses in Health Education (H ED)

- 1310 (PHED 1304) Foundations of Personal Health. (3-0) Course provides an introduction to personal health, acquainting students with the understanding that the decisions they make affect health of self, families, friends, and communities. An emphasis will be placed on health trends and health behaviors.
- 1320 Introduction to Health and Wellness Promotion. (3-0) This course addresses concepts essential to understanding the discipline of Health and Wellness Promotion, including competencies and career opportunities for health education specialists in school and community settings.
- 2338 (PHED 1346) Contemporary Issues in Drug Prevention. (3-0) This course explores the impact of drug use and abuse on society and provides students with a critical perspective of drug-related problems. Course content includes statistics and up-to-date information on current topics in drug issues and drug prevention interventions.
- 2340 Community Health. (3-0) Course acquaints students with issues, trends, and developments in community health. With an emphasis on knowledge and skills in health education, the course provides an overview of selected topics, such as epidemiology, community organization, program planning, minority health, health care, mental health, environmental health, drugs, safety, and occupational health.
- 2354 (PHED 1306) Emergency Response and Safety Education. (3-0) This course prepares students to respond to and adequately care for life-threatening and non-life-threatening emergencies. The course includes lecture and laboratory activities. Emphasis is placed on healthy lifestyles and safety practices. Students can earn Cardiopulmonary Resuscitation and Responding to Emergencies certification.
- 3301 Environmental Health Issues. (3-0) An examination of the ecological impact resulting from contemporary sociopolitical action and its resulting influence on human health.
- 3321 Health in the Elementary Setting. (3-0) Course offers a foundation in health methods and activities to provide resources for the elementary school teacher. Provides an overview of current school health issues: Coordinated School Health Programs, mental health, personal health, family life, substance abuse, and violence in the elementary setting. Prerequisite: CI 3310 or consent by faculty.
- 3331 Health Education in the Secondary School Setting. (3-0) Course offers a foundation of health methods and theory with activities to provide resources needed to become successful secondary school educators. The course will provide an overview of current secondary school health issues, such as mental health, personal health, family life, substance abuse, and violence.
- 3342 Adolescent and School Health Programs. (3-0) Course will provide an understanding of function and scope of the Coordinated School Health Program (CSHP) model. Students investigate how schools function in solving youths' health problems, and focus on how child and adolescent stakeholders and communities are involved in CSHP. (WI)
- 3348 Prevention of Disease. (3-0) Course provides an overview of the etiology of communicable and chronic diseases. Special emphasis will be on health promotion activities to reduce the incidence of disease in communities and society.
- 3350 Consumer Health. (3-0)) Course focuses on consumer health and making wise decisions regarding selection of health products and services. Students will learn how to effectively evaluate health information. Special emphasis is placed on becoming a health-literate consumer, understanding legislation, and investigating products and services.
- 3360 Sexuality Education. (3-0) Course provides a study of sexuality education as a lifelong process of acquiring information and forming healthy attitudes, beliefs, and values regarding sexuality. Students will access information and educational resources for implementing and advocating for sexuality instruction through health courses, sexuality education courses, and programs.
- 3376 Worksite Health Promotion. (3-0) The purpose of this course is to introduce students to worksite health promotion. The focus of the course will be on planning, implementing, and evaluating worksite health promotion programs. The course will also address other contemporary health issues, policies, and considerations that affect worksite health promotion.
- 4336 Concepts and Resources for Health and Wellness Promotion. (3-0) Course offers an introduction to research and theories in health and wellness promotion. Special emphasis will be on community health interventions. Students will study theory and practice to understand successful and effective health education interventions. Prerequisite: H ED 2340 with C or better.
- 4340 Principles of Community Health Education and Promotion. (3-0) This course examines theory and principles for development of community health education and promotion programs. Content includes cultural health beliefs, theories, and communication methods and techniques. Prerequisite: H ED 2340 with C or better. Corequisite: H ED 4350. (WI)
- 4347 Independent Study in Health and Wellness Promotion. (3-0) Designed for undergraduate students who display potential for independent research in health and wellness promotion. Students work individually with faculty to develop an independent research study/project in Health and Wellness Promotion. Open on an individual basis by arrangement with the division chair. May be repeated for credit with different emphasis.
- 4350 Community Health Analysis. (3-0) This is a survey course that focuses on evaluating community health needs; data-gathering techniques; instrument design; using data and statistics; and interpreting, reporting, and applying the findings for program development. Prerequisite: H ED 2340 with C or better. Corequisite: H ED 4340.
- 4640 Community Health Program Planning and Evaluation. (6-0) Course addresses application of professional competencies in health education and promotion programs. Topics

include needs assessment, data gathering techniques, instrument design, data and statistics, interpreting, reporting, and application of findings for program development. Cultural competency and communication will also be covered. Prerequisite: H ED 2340 with C or better.

4660 Internship in Health and Wellness Promotion. (0-18) Students will apply theoretical health education principles and concepts to a community health setting. Course requires participation in the work of a health organization/agency and a semester-long planning and evaluation project. A member of the health education faculty supervises this 480-hour internship. Prerequisites: H ED 4340, 4350, or 4640. (WI)

Courses in Physical Education (PE)

PE 1100 through 1192 are physical education major-minor courses. Non-major/minors may enroll only with authorization of the department.

1100 Lifetime Fitness and Wellness (0-2) To develop knowledge, skills, and physical activity behaviors associated with personal fitness and wellness.

1170A Beginning Badminton (0-2)

1171A Beginning Basketball (0-2)

1172A Beginning Field Sports (0-2)

1175A Beginning Jogging/Conditioning (0-2)

1176A Beginning Tennis (0-2)

1177A Beginning Track and Field (0-2)

1178A Beginning Volleyball (0-2)

1179A Beginning Weight Training (0-2)

1192A Beginning Balance and Tumbling (0-2)

1128 Aquatic Therapy I. (1-1) The course will provide instruction in the basic principles and concepts of aquatic therapy. Arthritis Aquatic Exercise Leader Certification is available. Swimming ability is essential.

1225 Water Safety Instructor. (1-2) To provide instruction on the American Red Cross method of teaching swimming. Students should have the skills and information to complete the American Red Cross requirements for the WSI certification.

1310 (PHED 1301) Foundations of Exercise and Sports Science. (3-0) Introduction to the various areas of physical education, including brief historical backgrounds, professional opportunities, present status, past and present leaders, individual awareness of professional responsibilities; familiarization with current trends and issues, and professional literature.

2320 Motor Development. (3-0) A study of fundamental and specialized movement skills for the purpose of developing skill technique knowledge and instruction. Special emphasis will be placed on the application of error detection and correction.

2365 (PHED 1333) Rhythm and Movement Activities. (3-2) Rhythmical movement exploration as a basis of developing

basic movement skills, fitness, and dance activities. Right and left brain developmental theories will be explored in conjunction with creative/ rhythmic movement discovery. Beginning modern dance or recreational dance recommended. (WI)

2390 Concepts and Techniques of Coaching. (3-0) Explores general concepts and techniques as they pertain to the professional preparation of the athletic coach.

3117 Applied Laboratory in Exercise Physiology. (0-2) This course provides students with experiences in laboratory and field methods of 1) exercise testing and prescription and 2) exercise, health, and fitness assessment. Co-requisite: PE 3317.

3303 Assistant Instructor. (6-3) Lecture, laboratory in teaching skills leading to assistant instructor's certification (National Association of Underwater Instructors). An appropriate personal lifetime fitness and wellness component will be included. Prerequisite: PFW 1201.

3304 Divemaster. (6-3) Designed to train highly competent divers in skills to supervise and organize all phases of recreational diving. An appropriate personal lifetime fitness and wellness component will be included. Prerequisite: PE 3303.

3317 The Physiology of Exercise. (3-0) Application of physiological principles to health and physical education with an analysis of the manner in which the body reacts to the exacting requirements of exercise. Prerequisite: BIO 2430 or equivalent. Co-requisite: PE 3117.

3320 Kinesiology. (3-0) Study of human movement from the point of view of the physical sciences. Experiences are provided in the analysis of motor performance through practical application of mechanical and anatomical laws.

3321 Physical Activities for Elementary Students. (3-0) Examination of traditional content matter and innovative techniques in physical education for elementary students. Course may not be counted in the health and wellness promotion or exercise and sports science major/minor programs.

3322 Theory of Sports Techniques. (2-2) The theory and curriculum underlying sports applied to practical secondary school situations; special emphasis upon aids, equipment, organization, control and management, and classification of participants instruction and practice in officiating. Prerequisite: Permission of the department.

3323 Rationale and Principles of Movement Science. (3-0) Social, political, economic, historical, and psychological backgrounds are studied as sources for forming basic principles in relation to physical well-being. Specific units of work include study of the psychological, social and cultural changes and legal ramifications associated with movement sciences. (WI)

3324 Movement Exploration in Exercise and Sports Science. (2-2) Introduction to the principles and content of movement exploration, fundamental and specialized sports skills with an emphasis on skill themes, movement concepts, perceptual motor development and basic lead-up activities for sports.

3329 Introduction to Motor Learning. (3-0) Physiological and psychological development of the child in relation to learning neuromuscular activities. Inquiry will be made into the various motor learning theories. (WI)

3340 Coaching of Women's Sports. (3-0) Techniques and theories underlying the coaching of girls' and women's sports. Special

emphasis upon aids, equipment, organization, and administration of the program.

- 4317 Exercise Testing and Prescription. (2-2) To develop knowledge, skills, and competence required to access and prescribe exercise for various populations and to gain practical experience related to health/fitness management programs.
- 4318 Exercise Testing and Prescription Practicum. (2-2) Presents the most current exercise and sports science information on exercise testing and programming of people of all different age, fitness levels, and disease states. Provides students with fundamental knowledge, competence, and skills necessary to conduct safe and valid physical fitness instruction, health appraisal, and fitness testing. Prerequisites: PE 3117, 3317.
- 4323 Adapted Physical Education. (3-2) Selecting special activities in terms of individual needs and capacities and modifying those found in the regular program. Opportunity to engage in activities and to observe demonstrations including persons with disabilities. (WI)
- 4337 Independent Study of Special Problems in Physical Education. (3-0) For the undergraduate student who displays promise and aptitude in physical education research. The student learns the procedures, collects data pertinent to, and analyzes the results of the research. Repeatable for credit with different emphasis. Prerequisites: 3.00 or higher GPA and permission of the department.
- 4351 Measurement and Evaluation. (3-0) Measurement techniques unique to the evaluation of physical performance objectives, including physical fitness and acquisition of basic motor and sports skills. Practical experiences are provided in test administration, scoring, and interpretation of results.
- 4391 Football Coaching. (3-0) Methods of coaching are studied through lectures, demonstrations, and reading of present-day literature.
- 4392 Basketball Coaching. (3-0) Methods of coaching will be studied through lectures, demonstrations, and reading present-day literature.
- 4393 Coaching Track/Field. (3-0) The purpose of this course is to train students to become track/field coaches in the public schools. The focus of the course will be on the fundamentals of the sports, the formulation of practice schedules, game or meet preparation, and the handling of young athletes.

Courses in Physical Fitness/Wellness (PFW)

- 1101 (PHED 1164) Lifetime Fitness & Wellness (0-2)
- 1110A (PHED 1164) Beginning Aerobics (0-2)
- 1110B (PHED 1164) Intermediate Aerobics (0-2)
- 1110C (PHED 1164) Gymnastics (0-2)
- 1110D (PHED 1164) Balance & Tumbling (0-2)
- 1110E (PHED 1164) Beginning Jogging/Conditioning (0-2)
- 1110F (PHED 1164) Basic Fitness Activities (0-2)
- 1110G (PHED 1164) Beginning Weight Lifting (0-2)

- 1110H (PHED 1164) Physique Development (0-2)
- 1110K (PHED 1164) Restricted Fitness Activities (2-0)
- 1114 (PHED 1164) Fitness Activities (0-2)
- 1125A (PHED 1164) Wrestling (0-2)
- 1130A (PHED 1164) Beginning Basketball (0-2)
- 1130B (PHED 1164) Soccer (0-2)
- 1135A (PHED 1164) Water Aerobics (0-2)
- 1135B (PHED 1164) Aquatic-Conditioning (0-2)
- 1140A (PHED 1164) Football Varsity (0-6)
- 1140B (PHED 1164) Basketball—Men's Varsity (0-6)
- 1140C (PHED 1164) Basketball—Women's Varsity (0-6)
- 1140D (PHED 1164) Track & Field—Men's Varsity (0-6)
- 1140E (PHED 1164) Track & Field—Women's Varsity (0-6)
- 1140F (PHED 1164) Volleyball – Women's Varsity (0-6)
- 1140G (PHED 1164) Baseball—Men's Varsity (0-6)
- 1140H (PHED 1164) Softball—Women's Varsity (0-6)
- 1140I (PHED 1164) Soccer-Women's Varsity (0-2)
- 1149 (PHED 1164) Strutters (1-9)
- 1150B (PHED 1164) Beginning Bowling (0-2)
- 1150C (PHED 1164) Intermediate Bowling (0-2)
- 1150D (PHED 1164) Beginning Golf (0-2)
- 1150E (PHED 1164) Intermediate Golf (0-2)
- 1150F (PHED 1164) Self Defense (0-2)
- 1150G (PHED 1164) Restricted Leisure Activities (0-2)
- 1154 (PHED 1164) Leisure/Recreation Activities (0-2)
- 1154B Challenge Course Facilitation. (0-1)
- 1154C Backpacking (0-1)
- 1155A (PHED 1164) Beginning Badminton (0-2)
- 1155B (PHED 1164) Beginning Fencing (0-2)
- 1155C (PHED 1164) Intermediate Fencing (0-2)

1155D (PHED 1164) Advanced Fencing (0-2)

1155E (PHED 1164) Fencing – Epee (0-2)

1155G (PHED 1164) Racquetball (0-2)

1155H (PHED 1164) Beginning Tennis (0-2)

1155I (PHED 1164) Intermediate Tennis (0-2)

1155J (PHED 1164) Judo (0-2)

1155K (PHED 1164) Beginning Karate (0-2)

1155M (PHED 1164) Advanced Karate (0-2)

1155N (PHED 1164) Pocket Billiards (0-2)

1160B (PHED 1164) Beginning Volleyball (0-2)

1160C (PHED 1164) Intermediate Volleyball (0-2)

1165A (PHED 1164) Golf–Men’s Varsity (0-6)

1165C (PHED 1164) Tennis–Women’s Varsity (0-6)

1165D Golf – Women’s Varsity. (0-1.3)

1165E Varsity Cheerleaders. (0-1.3)

1180A (DANC 1147) Beginning Jazz (0-2)

1180B (DANC 1148) Intermediate Jazz (0-2)

1180C (DANC 2147) Advanced Jazz (0-2)

1180D (DANC 1141) Beginning Ballet (0-2)

1180E (DANC 1142) Intermediate Ballet (0-2)

1180G (DANC 1145) Beginning Modern Dance (0-2)

1180H (DANC 1146) Intermediate Modern Dance (0-2)

1180I (DANC 2145) Advanced Modern Dance (0-2)

1180J (DANC 1122, 1128, 1133) Beginning Recreational Dance (0-2)

1180L Dance Team Directing (0-2)

1190A Canoeing (0-2)

1190B (PHED 1164) Beginning Swimming (0-2)

1190C (PHED 1164) Intermediate Swimming (0-2)

1190E (PHED 1164) Lifeguard Training

1190F Beginning Scuba (0-2)

1201 Advanced Scuba Diving (1-3)

1204 Underwater Photography (1-3)

All PFW courses meet two clock hours per week for one semester hour credit unless otherwise designated.

Courses in Recreational Administration (REC)

1310 Introduction to Recreation and Leisure Services. (3-0)
Introduction to recreation, includes brief historical backgrounds, professional opportunities, present status, past and present leaders. Role of leisure time in our social structure, professional responsibility, familiarization with current issues and trends, and professional literature. Lecture and field trips. A grade of “C” or higher in this course is required to enroll in any upper division Recreational Administration courses.

1330 Leisure and Outdoor Recreation. (3-0) This course provides students with an overview of the role the natural world plays in recreation and leisure services. The course will focus on values of outdoor recreation, outdoor education, adventure recreation, environmental impact, and the role of government in the provision of outdoor recreation. Prerequisite: REC 1310.

1370 Introduction to Therapeutic Recreation. (3-0) History, philosophy, appropriate terminology and professional opportunities in therapeutic recreation profession. Identification of client groups and the role leisure time activity plays in their lives. Lecture and field trips.

2330 Leadership in Recreation and Leisure Services. (2-2)
Discussion of leadership theories and skill development for indoor-outdoor games and sports. Teaching activities to develop skill in programming various indoor/outdoor recreational settings.

2335 (PHED 1336) Recreation Program Development. (3-0) This course introduces students to basic principles and procedures for developing recreation programs that respond to human needs. This course provides students with opportunities to acquire and utilize recreation programming skills through practical application. Prerequisites: REC 1310 and 2330. (WI)

2370 Practices and Interventions in Therapeutic Recreation. (3-2)
Acquiring knowledge, understanding and application of practices in therapeutic recreation services. Emphasis on facilitation and intervention strategies and “helping” techniques in clinical and community settings, as they relate to administration and current critical issues facing the field. Prerequisite: REC 1370.

3325 Recreation Administration. (3-0) Organization and administration practices such as budgeting and purchasing, office management, annual reports, supervision of personnel, working with boards and volunteer leaders.

3340 Design and Maintenance of Recreational Facilities. (2-2)
Introduce theories and provide practical experience in the design, development, operation, maintenance, administration of various recreational facilities. Prerequisite: REC 2335.

3351 Evaluation of Leisure Service Programming. (3-0) Methods, techniques and application of the evaluation process related to a wide variety of leisure service functions: clientele and prospective participants, programs, personnel, facilities, organizations and literature. Prerequisite: REC 2335. (WI)

- 3360 Field Work in Recreation Leadership. (0-10) The student participates at the leadership level in the ongoing work of a selected recreation agency. The work is supervised by an agency representative and a faculty member trained in the recreation field. Prerequisite: REC 1310.
- 3370 Assessment and Documentation in Therapeutic Recreation. (3-0) This course introduces students to assessment, methods, standards, issues, and processes in Therapeutic Recreation. Students will engage in test construction related to diagnostic application in clinical and community settings. Students will explore assessment tools and documentation rules and formats in Therapeutic Recreation. Prerequisite: REC 1370.
- 4318 Special Topics in Recreation and Leisure Services. (3-0) A topic course in selected professional applications of Recreation and Leisure Services. Topics to include: Military Recreation, Commercial and Entrepreneurial Recreation, Campus Recreation, and Leisure and Aging.
- 4318A Military Recreation (3-0) A topic course to cover the: Survey of U.S. military recreation programs, role of recreation in military mission, concepts of administration and availability of career opportunities within military recreation.
- 4318B Campus Recreation (3-0) A topic to cover recreation and leisure services at a college campus. Topics include recreational sports, residence life, Greek organizations, and campus activities.
- 4318D Leisure and Aging (3-0) A study of the relationship of leisure and aging in our society is the primary focus. Students will examine the aging process from biological, psychological and social aspects. Trends in and benefits of leisure programming for senior citizens will be reviewed. A variety of recreation and leisure delivery systems will be investigated as they relate to service delivery to well and frail elderly.
- 4320 Therapeutic Recreation in Psychology. (3-0) This course provides students with a philosophical and theoretical overview of Leisure Education, emphasizing approaches and strategies utilized in the treatment of persons with psychiatric disorders in a psychiatric setting. Prerequisite: REC 1370.
- 4330 Commercial Recreation. (3-0) Course will cover commercial recreation, entrepreneurialism, and basics of travel and tourism. Topics will include an overview of entrepreneurial recreation; economics, marketing, and financing commercial recreation endeavors; and a description of the various opportunities available in the commercial and private sector.
- 4335 Outdoor Recreation Programming. (3-0) Students apply principles and procedures for developing and leading recreation programs in a variety of specialized, outdoor environments. Students will demonstrate competencies for Leave No Trace certification. Course is taught in cooperation with the Texas State University-Outdoor Center. Prerequisites: REC 1330, 2335; PFW 1154C; or Consent of Instructor.
- 4337 Independent Study in Recreational Administration. (3-0) Individual study related to recreational administration under direct supervision of a faculty member. (WI)
- 4350 Theories and Methods of Supervision in Recreation and Leisure Services. (3-0) Presents theories and methods relating to recruiting, selecting, hiring, training, disciplining and discharging employees. Also addresses legal issues related to personnel. (WI)
- 4370 Principles of Therapeutic Recreation. (3-0) Knowledge and understanding of the principles of therapeutic recreation services. Acquiring ability to apply this knowledge in developing appropriate therapeutic recreation programs and services relative to motor, social and educational needs of participants. Prerequisites: REC 1370, 2370. (WI)
- 4380 Seminar in Recreation. (3-0) Seminar on current problems and trends in the delivery of leisure services. Specific emphasis is placed on cause and effect interactions of leisure services programs and environmental issues. Prerequisite: REC 3351. (WI)
- 4381 Directed Field Experience in Programming Recreation. (0-10) The student participates at the programming/leadership level in the ongoing work of a selected recreation agency. The work is supervised by an agency representative and a faculty member trained in the recreation field. Prerequisites: REC 2335, 3360.
- 4680 Internship in Recreation. (0-20) The student participates at the administrative level in the ongoing work of a selected parks and recreation agency. The work is supervised by an agency representative and a faculty member trained in the recreation field. All other courses should be completed.

College of Fine Arts and Communication

DEAN

T. Richard Cheatham, Ph.D.
Old Main 112
T: 512.245.2308 F: 512.245.8386
www.advising.finearts.txstate.edu

ASSOCIATE DEAN

Steven A. Beebe, Ph.D.

ASSOCIATE DEAN

Laurie H. Fluker, Ph.D.

DEPARTMENT CHAIRS/SCHOOL DIRECTORS

Art and Design—Erik Nielsen, Ph.D.
Communication Studies—Steven A. Beebe, Ph.D.
Journalism and Mass Communication—Bruce Smith, Ed.D.
Music—Thomas Clark, D.M.A.
Theatre and Dance—John Fleming, Ph.D.

ADVISING CENTER

Old Main 110
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The College of Fine Arts and Communication offers four undergraduate degrees: the Bachelor of Arts (BA), the Bachelor of Fine Arts (BFA), the Bachelor of Music (BM), and the Bachelor of Science (BS). A wide range of programs are available within the disciplines of art and design, theatre and dance, music, mass communication, journalism and communication studies.

In addition to the college's formal degree programs, students have the opportunity to pursue a number of co-curricular programs. These are available to all Texas State students, regardless of major or minor, and range from acting, marching band, wind ensemble, choir, orchestra, jazz bands, classical guitar, concert bands, multi-cultural ensembles, debate, attendance to art exhibits, lectures and workshops, to production work in KTSW, the campus radio station, or the student newspaper, The University Star.

Academic Advising Center

The College of Fine Arts and Communication Academic Advising Center provides students with advising on academic and administrative issues. Students are informed about matters related to academic majors and career possibilities, the selection of appropriate courses, and the choice of an education program leading to a Bachelor's degree. The Advising Center is a resource for current students and for prospective students who are considering a major or minor in the College of Fine Arts and Communication.



School of Art and Design

JoAnn Cole Mitte Building, 2112
T: 512.245.2611 F: 512.245.7969
www.finearts.txstate.edu/Art/art.html

DEGREE PROGRAMS OFFERED

BFA, major in Communication Design
BFA, major in Photography
BFA, major in Studio Art (specializations in Ceramics, Drawing, Fibers, Metals, Painting, Printmaking and Sculpture)
BFA, major in Studio Art (with All-Level Teacher Certification)
BA, major in Art
BA, major in Art (with Art History Specialization)

MINORS OFFERED

Art and Design
Photography

The School of Art and Design promotes the understanding of art in culture by providing a learning environment that advances students' critical and creative thinking, encourages diverse perspectives, and nurtures individual artistic expression. The School fosters creative and scholarly activities that develop students' conceptual and technical abilities and encourages visually articulate thinkers. The faculty come from diverse educational, professional and cultural backgrounds. Through effective teaching, the School of Art and Design helps students achieve excellence in their individual, artistic and career goals.

The School of Art and Design offers six programs leading to the following degrees: Bachelor of Fine Arts with a major in Communication Design that includes areas of study in advertising art direction, graphic design, multimedia, and illustration; Bachelor of Fine Arts with a major in Photography, Bachelor of Fine Arts with a major in Studio Art that offers specializations in ceramics, drawing, fibers, metals, painting, printmaking, and sculpture; Bachelor of Fine Arts with a major in Studio Art leading to All-Level Certification that prepares students for teaching art in elementary and secondary schools; Bachelor of Art with a major in Art with an emphasis in Art History that provides an intellectual foundation and a broad background in the history of art, aesthetics and art criticism; and a Bachelor of Arts with a major in Art that provides broad exposure to art.

All art and design majors are encouraged to enter the annual student exhibition and to take advantage of the University Art Gallery and visiting artists programs. An active internship program is available for all qualified art and design majors.

For information about the Interior Design program, refer to the Department of Family and Consumer Sciences section of this catalog.

Special Requirements

All students majoring in Studio Art with a studio specialization, Studio Art leading to All Level Certification or in Photography are required to participate in the Senior Exhibition (ARTS 4000), within the academic year they plan to graduate. All students majoring in Communication Design are required to participate in Exit Review (ARTC 4000), within the academic year they plan to graduate.

Communication Design Admission

Admission requirements for Communication Design majors are more restrictive than those of the University and enrollment is limited by the availability of instructional resources. Therefore enrollment as a Communication Design major is limited in order to provide students with a quality experience. To be considered for admission as a Communication Design major, students must have complete applications on file with the Office of Undergraduate Admissions by the deadline date for their semester of entrance (October 15 for spring entrance or March 15 for fall entrance). There is no summer entry into the Communication Design major.

Freshmen applicants who indicate Communication Design as their preferred major will be granted automatic admission if they meet regular University admission criteria and their SAT I score is at least 1200 (Critical Reasoning + Math) or if their ACT score is at least 27 or if they graduated in the top 25% of their high school class.

Transfer applicants meeting Texas State admission requirements may apply for admission to the Communication Design major after they have completed at least 30 transferable semester hours, including ARTF 1301 (2-D Design) and ARTF 1302 (Basic Drawing). Transfer applicants meeting these requirements and having a cumulative grade point average of at least 3.00 will be granted automatic admission.

All other applicants will be considered for the remaining openings through a review process. Students who are admitted to the University but denied admission to the Communication Design major will be considered for admission as a Pre-Art Communication Design major.

Bachelor of Fine Arts Major in Communication Design Minimum required: 124 semester hours							
General Requirements: <ol style="list-style-type: none"> 1. Majors must complete a minimum of 78 hours in Art. 2. Students must complete ARTC 1301, 1302, 2303, and 2304 with a GPA of 3.0 or higher, and ARTF 1301, 1302, 1303, and 1304 with a GPA of 2.0 or higher. 3. General education requirements must be met, and students are required to have completed 36 advanced hours. 4. Select any advanced ARTC course to satisfy electives, excluding ARTC 3316, 4000, or any other course already taken as a Communication Design Studio course. 							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ARTF 1301, 1302, 1303, 1304	12	ARTC 2303, 2304	6	ARTC 3301	3	ARTC 3310, 4311, or 4312	3
ARTC 1301, 1302	6	ARTH 2301, 2302	6	ARTC 3303, 3304, 3320, or 4306	3	ARTC advanced electives	15
		Select 3 courses from ARTS 2321, 2351, 2371, 2391, or 4308B	9	ARTC 3307	3	ARTC 4000	0
				ARTC 3316	3		
				ARTH 3301	3		
				ARTS 2311, 2331, 2341, or 2381	3		
				ART (C,H,S,T) advanced elective	3		
Total	18	Total	21	Total	21	Total	18

Bachelor of Fine Arts Major in Photography Minimum required: 124 semester hours							
General Requirements: 1. Majors must complete a minimum of 78 hours in art and design. A minimum of 27 hours are required within the photography curriculum. 2. General education requirements must be met, and students are required to have completed 36 advanced hours.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ARTF 1301, 1302, 1303, 1304	12	ARTH 2301, 2302	6	ARTS 1305	3	ARTH 4305	3
ARTS 2321	3	ARTS 2311 or 2331 or 2341 or 2381	3	ARTH 3301, 4301	6	ARTS 3363	3
ARTS 2361	3	ARTS 2351 or 2371 or 2391	3	ARTS 3322	3	ARTS 4366, 4367	6
		ARTS 3361	3	ARTS 3365, 4363	6	ARTS 4000	0
		ARTS 3364 and 4364	6	ART (C,H,S,T) Elective	3	ART (C,H,S,T) electives	6
Total	18	Total	21	Total	21	Total	18

Bachelor of Fine Arts Major in Studio Art Minimum required: 124 semester hours							
General Requirements: 1. Majors must complete a minimum of 78 hours in art. A minimum of 21 hours are required within a chosen area of specialization from ceramics, drawing, fibers, metals, painting, printmaking or sculpture. 2. Majors must complete 15 hours of art electives for all specializations excluding drawing, which requires 21 hours of art electives. 3. General education requirements must be met, and students are required to have completed 36 advanced hours.							
ALL STUDIO SPECIALIZATIONS WITH THE EXCEPTION OF DRAWING							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ARTF 1301, 1302, 1303, 1304	12	ARTH 2301, 2302	6	ARTS from Specialization	6	ARTS from Specialization	6
ARTS 2321	3	ARTS from Specialization	6	ARTS 3322	3	ART (C,H,S,T) electives	6
ARTS from Specialization	3	ARTS requirement, 2-D option	3	ARTH 3301, 4301	6	Advanced Art (C,H,S,T) electives	9
		ARTS requirement, 3-D option	6	ARTS 1305	3	ARTS 4000	0
Total	18	Total	21	Total	18	Total	21

Bachelor of Fine Arts Major in Studio Art Minimum required: 124 semester hours							
DRAWING SPECIALIZATION ONLY							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ARTF 1301, 1302, 1303, 1304	12	ARTH 2301, 2302	6	ARTS from Specialization	6	ARTS from Specialization	6
ARTS from Specialization	3	ARTS from Specialization	6	ARTH 3301, 4301	6	Advanced Art (C,H,S,T) electives	12
ARTS 1305	3	ARTS requirement, 2-D option	3	ART (C,H,S,T) electives	9	ARTS 4000	0
		ARTS requirement, 3-D option	6				
Total	18	Total	21	Total	21	Total	18

Bachelor of Fine Arts
Major in Studio Art (with All-Level Teacher Certification)
Minimum required: 133 semester hours

General Requirements:

1. Majors must complete 69 hours in art and 21 hours in Education.
2. Education majors must maintain an overall GPA of 2.5, a major GPA of 2.5 and a GPA of 2.5 in all required Education courses.
3. Prior to student teaching, majors must complete all required ARTT courses.
4. Prior to student teaching, majors should complete all required art and education courses with a grade of "C" or higher.
5. Certification is in art (K through 12) only.
6. General education and teacher education requirements must be met, and students are required to have completed 36 advanced hours.
7. One of the three ARTS electives must be selected from the following studio areas: ARTS 3312, 3322 or 3323, 3332 or 3334, 3342, 3352, 4365, 3372, 3382, or 3392.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ARTF 1301, 1302, 1303, 1304	12	ARTH 2301	3	ARTH 2302, 3301	6	ARTS Advanced Elective	3
ARTS 2321, 2311, 2381	9	ARTS 2331, 2341, 2371, 2391	12	ARTS 2351, 2361	6	ARTT 4375	3
ART 2313 (core curriculum requirement)	3	ARTT 2371, 3372	6	ARTT 3373, 3374	6	ARTS 4000	0
				CI 4332, 3325	6	RDG 3323; CI 4332, 4343	9
						EDST 4380, 4381	6
Total	24	Total	21	Total	24	Total	21

Bachelor of Arts
Major in Art
Minimum required: 126 semester hours

General Requirements:

1. Majors must complete 45 hours of art.
2. A minor is required. Some minors may exceed 24 hours.
3. General education and BA requirements must be met, and students are required to have completed 39 advanced hours.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ARTF 1301, 1302, 1303	9	ARTS 2311 or 2381	3	ARTS 2331 or 2341	3	ARTH 4301	3
ARTS 2321 or 2371	3	ARTS 2351 or 2391	3	ARTH 3301	3	ART advanced electives	6
		ARTH 2301, 2302	6	ART advanced electives	6		
Total	12	Total	12	Total	12	Total	9

Bachelor of Arts
Major in Art (with Art History Specialization)
Minimum required: 126 semester hours

General Requirements:

1. Majors must complete 45 hours of art.
2. A minor is required. A French minor is recommended. Some minors may exceed 24 hours.
3. General education and BA requirements must be met, and students are required to have completed 36 advanced hours.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ARTF 1301, 1302	6	ARTF 1303, 1304	6	ARTH Electives	9	ARTH 4323, 4324	6
ARTH 2301, 2302	6	ARTH 3301, 3302	6	ARTH 4301	3	ARTH Electives	3
Total	12	Total	12	Total	12	Total	9

Minor in Art and Design

Courses for the Art and Design Minor must be chosen in consultation with the Chair, School of Art and Design. All prerequisites must be met for any course chosen to satisfy requirements for the Art and Design Minor. A student cannot both major and minor in the School of Art and Design.

A Minor in Art requires 24 hours as listed below.

1. Required: Three courses (9 hours) ARTF 1301, ARTF 1302 and 1 course from ARTF 1303 or ARTF 1304.
2. Required: One course (three hours) from ARTS 2311, 2321, 2331, 2341, 2351, 2371, 2381, 2391.
3. Required: Four courses (12 hours) selected from advanced level Art and Design courses.

All prerequisites must be met for any course chosen to satisfy requirements for the Art and Design Minor.

*ARTS 2361 may not be taken to satisfy requirements for the Art and Design Minor.

Course in Art (ART)

- 2313 (HUM 1315) Introduction to Fine Arts. (3-0) An introductory course designed to give the student a fundamental understanding of the creation and appreciation of diverse modes of expression through the visual and performing arts. This course may not be repeated for credit by taking MU 2313, TH 2313, or DAN 2313. (MC/MP)
- 3313 Introduction to Fine Arts. (3-0) This course is designed to give the student a critical understanding and appreciation of the history and principles associated with each of the artistic disciplines of theatre, dance, music and the visual arts.

Courses in Communication Design (ARTC)

- 1301 (ARTS 2313) Communication Design Foundation I. (3-3) Introduces the field of Communication Design including terminology, creative visual thinking/problem solving, layout design, tools, and materials through traditional and computer imaging comping techniques. Prerequisite: ARTF 1301.
- 1302 (ARTS 2314) Communication Design Foundation II. (3-3) An introduction to the computer and graphics software emphasizing visual strategies.
- 2303 Communication Design Foundation III. (3-3) Introduces the evolution and development of alphabets, letter forms, and typography in relationship to visual expression and communication. Prerequisites: ARTC 1301, 1302.
- 2304 Communication Design Foundation IV. (3-3) Focuses on concept development through the production of public announcements and advertising posters. Prerequisites: ARTC 1301, 1302, 2303.
- 2305 Visualization and Presentation Techniques. (3-3) For Interior Design majors only. Introduces rendering techniques, three-dimensional graphics, and digital imaging for visual presentations. Prerequisites: FCS 1321; ARTF 1302; TECH 1413.
- 3301 Art Direction I. (3-3) Students will develop advertising concepts that relate to the creative strategies, marketing platforms, and psychology specific to the communication objectives of the client, and the type of media used. Students

will work with print, outdoor, and television media. Prerequisites: Admission into the Communication Design Program; ARTC 2303, 2304 with grades of "C" or higher.

- 3303 Corporate/Package Identity. (3-3) Focuses on the design process and concept development of corporate identity and package design. Prerequisites: Admission into the Communication Design Program; ARTC 2303, 2304 with grades of "C" or higher.
- 3304 Corporate Marketing Materials. (3-3) Develops typographic elements, illustration, photo-images and layout design for publication of corporate collateral. Prerequisites: Admission into the Communication Design Program; ARTC 2303, 2304 with grades of "C" or higher.
- 3307 Interactive Media I. (3-3) Introduces digital multimedia communications exploring the elements of design, sound, and motion integrated with digital display. Prerequisites: Admission into the Communication Design Program; ARTC 2303, 2304 with grades of "C" or higher.
- 3310 Illustration. (3-3) Introduces media and illustration methods for basic image development. Prerequisites: Admission into the Communication Design Program; ARTC 2303, 2304 with grades of "C" or higher.
- 3313 Digital Imaging for Communication Design. (3-3) A series of projects focusing on individual creative solutions using computer imaging media set within the context of design formats, such as book covers, CD package design, editorial spreads and posters. Prerequisites: Admission into the Communication Design Program; ARTC 2303, 2304 with grades of "C" or higher.
- 3316 Communication Design Seminar. (3-3) This course traces communication design from ancient times to the present with an emphasis on theory and aesthetics. Students examine in-depth, the history of the visual message and the impact of communication design on the social, political, and economic life within recorded civilization.
- 3320 Advanced Typography. (3-3) Introduces advanced issues in page structure and composition, content organization and management, typographic hierarchies, typeface and font selection, and typesetting. Prerequisites: Admission into the Communication Design Program; ARTC 2303, 2304 with grades of "C" or higher.
- 4000 Senior Exit Review. (0-1) A course in which all graduating seniors must participate during their last academic year. Work will be examined and evaluated while displayed in the Exit Review.
- 4302 Art Direction II. (3-3) Students develop strategic target messages across mixed media and are exposed to how conceptual direction must shift to accommodate various media. Students strengthen their verbal and visual conceptual skills and elevate their research skills. Prerequisite: ARTC 3301.
- 4303 Art Direction III. (3-3) This course allows students to create art direction projects based on individual professional goals. Faculty will assess each portfolio at the beginning of the course. Students will then address their portfolio content and work to create a body of art direction pieces. Prerequisite: ARTC 4302.
- 4305 Typographic Design. (3-3) Continues the study of letter form, typography, image and concept relationships for effective communication. Prerequisites: Admission into the

- Communication Design Program; ARTC 3320 with grade of "C" or higher.
- 4306 Environmental Design. (3-3) Introduces graphic design theories applied to exterior and interior architectural design and signage. Prerequisites: Admission into the Communication Design Program; ARTC 2303, 2304 with grades of "C" or higher.
- 4308 Interactive Media II. (3-3) The study of interactive digital multimedia communication. Focuses on interactive information structure and presentation. Prerequisites: Admission into the Communication Design Program; ARTC 3307 with grade of "C" or higher.
- 4309 Interactive Media III. (3-3) Further study of interactive digital multimedia communication design emphasizing telecommunication, electronic publishing, and virtual communications environments. Prerequisites: Admission into the Communication Design Program; ARTC 4308 with grade of "C" or higher.
- 4310 Communication Design Practicum. (0-6) Students are placed in regional graphic design firms and advertising agencies to gain professional design/art experience. May be repeated with different emphasis for additional credit. Prerequisite: Admission into the Communication Design Program, ARTC 2302, 2304 with grades of "C" or higher, 60 hours completed.
- 4311 Digital Illustration. (3-3) An intermediate illustration course using digital media to execute illustrations in a wide range of genres. Emphasis will be placed on developing unique strategies for the manipulation of traditional illustration techniques through digital means, as well as the creation of original digital illustration solutions. Prerequisites: ARTC 2303, 2304 with grades of "C" or higher; Admission into the Communication Design Program.
- 4312 Editorial Illustration. (3-3) Continues the study of traditional and digital illustration techniques for editorial publication assignments. Prerequisites: Admission into the Communication Design Program; ARTC 2303, 2304 with grades of "C" or higher.
- 4313 Communication Design Special Problems. (3-3) An independent study requiring complex problem solving in Communication Design. Goals and objectives will be outlined in a written format. May be repeated with different emphasis for additional credit. Prerequisites: Admission into the Communication Design Program; ARTC 2303, 2304 with grades of "C" or higher and agreement with instructor.
- 4314 Special Topics in Communication Design. (3-0) A category of courses designed to meet special needs and address issues in art ranging from traditional to non-traditional and contemporary concerns in communication design. Repeatable for credit with different emphasis. Prerequisites: Admission into the Communication Design Program; ARTC 2303, 2304 with grades of "C" or higher.
- 4314A Animation (3-0) The study and practice of various animation techniques including the creation of cartoons, digital games, claymation, 3-D animation and motion graphics. Prerequisite: Admission into the Communication Design Program or approval by the School Director.
- 4314B Legal Issues in Commercial Art (3-0) An advanced level elective designed to introduce students to the business and legal issues relating to communication design. Prerequisites: Admission into the Communication Design Program or approval by the School Director.
- 4314D Digital Video (3-0) This course introduces advanced issues in digital video production and editing. Prerequisites: Admission into the Communication Design Program, permission of instructor.
- 4314E Motion Graphics (3-0) This course introduces issues and applications in the production of motion graphics and special effects for digital video. Prerequisites: Admission into the Communication Design Program, permission of instructor.
- 4314F Character Development for Illustration (3-0) A series of character, illustration, storyboard and animation assignments executed by hand and computer introducing topics related to characters in fields such as cartooning, comics, game development and animation; emphasizing basic skills of character/plot development and storytelling, action and background drawing and development of characters in unique styles. Prerequisite: ARTC 1301, ARTC 1302, ARTS 2321.
- 4314G Illustration Techniques and Materials (3-0) A beginning illustration course focusing on learning to render with specific illustration techniques, including traditional black and white line and tone styles, watercolor and acrylic painting techniques and other materials such as collage, scratchboard and monoprint styles. Prerequisites: ARTF 1301, 1302, ARTF 2321 OR ARTC 1301.
- 4314H Poster Design (3-0) Exploration and experimental usage of the written word integrated with visual imagery by using digital and traditional photographic, illustration, and other graphic elements utilized in poster design.
- 4315 Senior Portfolio Presentation and Self-Promotion. (3-3) This course focuses on preparations for entry into professional practice including preparation of a final portfolio presentation, creation of a resume, self-promotions, the interview process and guidelines for freelance employment. Prerequisite: Completion of the Communication Design Foundation.
- 4316 Book Design. (3-0) This course will cover concept and content development, design, and execution of single edition and limited edition books through lectures, demonstrations, and studio work. Emphasis placed on creativity, problem solving, organizational ability, technical precision, and independent work ethic. Pre-requisites: Completion of ARTC Foundations I-IV and Acceptance into the Communication Design Program.

Courses in Art Foundations (ARTF)

- 1301 (ARTS 1311) 2-D Design. (3-3) Introduction to the elements and principles of design through the use of a variety of two-dimensional media and techniques.
- 1302 (ARTS 1316) Basic Drawing. (3-3) Introduction to a variety of media and techniques for exploring descriptive and expressive possibilities in drawing.
- 1303 (ARTS 1312) 3-D Design. (3-3) Introduction to the elements and the principles of design through the use of a variety of three-dimensional materials and techniques.
- 1304 (ARTS 2311) Color Theory. (3-3) Introduction to color as a descriptive and expressive element of art, focusing on color perception and application.

Courses in Art History (ARTH)

- 2301 (ARTS 1303) Ancient to Medieval Art. (3-0) A survey of the history of painting, sculpture, and architecture from pre-historic through medieval periods. (MC)
- 2302 (ARTS 1304) Renaissance to Modern Art. (3-0) A survey of art history from the fourteenth century through the nineteenth century. (MC)
- 3301 History of Modern Art. (3-0) This course offers a survey of the stylistic trends, aesthetic issues, and evolving philosophy of modern art in Europe and the Americas from 1900 to 1965.
- 3302 History of American Art. (3-0) This course provides an introduction to American art and visual culture from ancient times to the 1950s.
- 4301 Issues in Contemporary Art. (3-0) An issue-oriented survey of the diverse forms and concepts present in American art since 1965. Modernism and Postmodernism are explored. (WI)
- 4302 Latin American Art. (3-0) A broad historic survey of visual arts in Latin America from the European conquest to the present. (MC) (WI)
- 4303 Pre-Columbian Art. (3-0) A survey of the art of Pre-Columbian sites and cultures, from pre-history to the European conquest. Provides background to the development of art in Mexico, Central, South and North America. (MC) (WI)
- 4304 History of Cinema. (3-2) A survey of the history of European and American film as an art form. (MC) (WI)
- 4305 History of Photography. (3-0) This course surveys the history of photography from its earliest manifestations until the present.
- 4306 Renaissance Art. (3-0) An in-depth survey of the history of art of the Italian and Northern Renaissance with emphasis on stylistic progression, iconography and technical developments. (MC) (WI)
- 4308 Asian Art. (3-0) A broad survey of the art of Asian cultures including India, Japan, and China from pre-history to the present. (MC) (WI)
- 4309 Feminism and Visual Representation. (3-0) This course provides an introduction to feminist art, theory, and visual culture by focusing on the relationships between several key feminist concerns, including sexuality and gender experience and difference. (WI)
- 4310 Race and Representation. (3-0) This course explores the variegated ways that race, and, by implication, identity and difference, is figured and represented in a range of cultural productions, including art, film and visual culture. (WI)
- 4311 History of Italian Art. (3-0) A study of the development of Italian art, exposing students to the rich artistic heritage of Italy and Florence. It will provide insight into the meaning of art, develop an appreciation for the role of the artist in society, and refine students' abilities to interpret societal ideas in artworks. (WI)
- 4312 The Arts in Popular Culture. (3-0) This course explores the variegated ways the art, artists, and art making collides and collides within popular culture. (WI)
- 4321 Special Topics in Art History. (3-0) A category of courses designed to meet special needs and address issues in art ranging from traditional to non-traditional and contemporary concerns. May be repeated with different emphasis for additional credit.

- 4321E Matisse and Picasso (3-0) Henri Matisse and Pablo Picasso were among the most influential artists of the twentieth century. This course examines their careers and their varied approaches to art-making within the larger context of the history of modern art. (WI)
- 4321F Dada and Duchamp (3-0) Dada and Surrealism transformed the visual and literary art of the twentieth century. Through Marcel Duchamp we will examine the movements' historical development and impact on later artists. Reading primary documents, histories, and criticism, we will question what relevance their art may have for the twenty-first century. (WI)
- 4321G European Cinema (3-0) Intensive advanced research on European Cinema culminating with a scholarly paper or project agreed upon jointly by students and instructor. Must have instructor's permission to enroll in this course. (WI)
- 4321J Hellenistic Art and Culture (3-0) This course will focus on Hellenistic culture from just before the death of Alexander the Great to the end of the first century C.E., with the birth and spread of Christianity. Course content will be cross-disciplinary through the integration of art, history, religious studies, philosophy, and broader cultural studies.
- 4322 Special Problems. (3-0) An advanced level, independent study in art history, aesthetics, and criticism. The emphasis of the course is on scholarship, research, and writing. May be repeated with different emphasis for additional credit. Prerequisite: Consent of instructor. (WI)
- 4323 Art History Thesis I. (3-0) A senior-level course focused on research, methodology, and writing in art history. Prepares students for final senior thesis projects. Prerequisite: Instructor consent. (WI)
- 4324 Art History Thesis II. (3-0) A senior level course focused on independent research and writing in art history and on the completion of a final thesis project. Consent of instructor required for enrollment. Prerequisite: ARTH 4323.

Courses in Studio Art (ARTS)

- 1305 Digital Studio Foundations. (3-0) This course will provide an introduction to digital imaging software as a tool for the visual artist. Students will learn terminology, operating systems, and how to store, organize and transfer digital data. Special emphasis will be placed upon the use of the computer for conceptual and aesthetic problem solving.
- 2311 (ARTS 2346) Ceramics I. (3-3) An introduction to clay as a medium for creative expression. Basic hand-building and wheel-throwing methods of forming are employed to investigate form and develop conceptual awareness. Prerequisites: ARTF 1301, 1302, 1303.
- 2321 (ARTS 2323) Drawing I. (3-3) Introduces the analytical study of the human form and the figure's potential for compositional and expressive use in drawing. Prerequisites: ARTF 1301, 1302.
- 2331 (ARTS 2336) Fibers I. (3-3) An introduction to fiber techniques as a means of individual expression and problem solving. Prerequisites: ARTF 1301, 1302, 1303.
- 2341 (ARTS 2341) Metals I. (3-3) An introduction to metal as a medium for creative expression emphasizing conceptual awareness while developing technical and creative skills. Prerequisites: ARTF 1301, 1302, 1303.

- 2351 (ARTS 2316) Painting I. (3-3) An introduction to painting emphasizing the elements and principles of pictorial composition. Provides the foundation for critical aesthetic judgment while developing technical and creative skills. Prerequisites: ARTF 1301, 1302, 1304.
- 2361 Introduction to Traditional Photography. (3-0) This course introduces the aesthetics and techniques of basic black and white digital and photographic imaging. Prerequisites: ARTF 1301 and 1302.
- 2371 (ARTS 2333) Printmaking I. (3-3) An introduction to relief, monoprint, intaglio, lithographic and silk-screen printing. Provides a historical, technical, visual and conceptual foundation for printmaking. Prerequisites: ARTF 1301, 1302, 1304.
- 2381 (ARTS 2326) Sculpture I. (3-3) An introduction to sculptural materials and processes as a medium for creative expression. Provides the foundation for critical aesthetic judgment while developing technical and creative skills. Prerequisites: ARTF 1301, 1302, 1303.
- 2391 (ARTS 2366) Watercolor I. (3-3) An introduction to the fundamentals of transparent watercolor painting as a medium for creative expression. Prerequisites: ARTF 1301, 1302, 1304.
- 3312 Ceramics II. (3-3) Through pottery forms and/or clay sculpture, students develop conceptual and expressive skills. Students formulate glazes and fire kilns. Prerequisite: ARTS 2311.
- 3313 Ceramics III. (3-3) Through individualized projects, students develop personal content and expression in their work. Students formulate clay bodies and slips, and investigate experimental firing methods. Prerequisite: ARTS 3312.
- 3314 Ceramics IV. (3-3) Continued development of personal expression through a self-initiated series of works. Students investigate technically complex forming methods. Prerequisite: ARTS 3313.
- 3322 Drawing II. (3-3) Experimentation with techniques and materials to develop perceptual and conceptual skills leading to individual expression in drawings. Prerequisite: ARTS 2321.
- 3323 Drawing III. (3-3) Focuses on the development of a personal visual statement using the human form as subject matter. Interpretive skills are stressed and alternative approaches to generating visual imagery are explored. Prerequisite: ARTS 3322.
- 3324 Drawing IV. (3-3) Emphasizes conceptual skills and critical analysis in the development of individual imagery and aesthetics in drawing. Consistent thematic drawings are required. Prerequisite: ARTS 3323.
- 3332 Fibers II. (3-3) Development of visual and conceptual skills through weaving. For Fibers majors only. Prerequisite: ARTS 2331.
- 3333 Fibers III. (3-3) Development of a personal aesthetic direction in fibers using loom and/or non-loom processes. Prerequisite: ARTS 2331.
- 3334 Fibers IV. (3-3) The conceptual and technical aspects of fibers are developed through experimentation, research and evaluation. Prerequisite: ARTS 3333.
- 3342 Metals II. (3-3) The development of a personal aesthetic and conceptual direction in the metal medium focusing on the relationship between surface and form. Casting is introduced and the exploration of patination and surface coloration continues. Prerequisite: ARTS 2341.
- 3343 Metals III. (3-3) Emphasis on a personal conceptual direction in the solution of formal problems using complex construction and fabrication processes. Prerequisite: ARTS 3342.
- 3344 Metals IV. (3-3) An introduction to the ductile qualities of the metal medium through advanced forming and raising processes. In a series of artworks, students develop a personal aesthetic. Prerequisite: ARTS 3343.
- 3352 Painting II. (3-3) A series of projects synthesizing the elements and principles of pictorial composition which encourage individual creative solutions. Prerequisite: ARTS 2351.
- 3353 Painting III. (3-3) Development of personal imagery in painting through individualized projects. Prerequisite: ARTS 3352.
- 3354 Painting IV. (3-3) The conceptual and technical aspects of painting are developed through experimentation, research and evaluation. Prerequisite: ARTS 3353.
- 3355 Digital Painting. (3-3) A course developing basic skills in the use of computer graphic tools and related peripheral devices for creating digital paintings. The course is intended for students with a foundation in traditional painting and drawing media. Prerequisite: ARTS 2351.
- 3361 Advanced Traditional Photography. (3-0) This is an intermediate black and white digital and photographic imaging course with an emphasis on developing visual, conceptual and technical aspects of imaging using advanced camera knowledge, chemistry, technology and some alternative printing methods. Prerequisite: ARTS 2361.
- 3363 Alternative Photographic and Digital Processes. (3-0) This course places an emphasis on the conceptual and technical aspects of digital and photographic imaging using the chemistry and techniques of alternative printing methods. Prerequisites: ARTS 3361 and 3364.
- 3364 Introduction to Digital Photography. (3-0) This course introduces students to the aesthetics of current digital imaging technology, including new digital cameras, scanning equipment, Macintosh computers, image-manipulation programs and printing devices. Prerequisite: ARTS 2361.
- 3365 Studio Photography and Digital Imaging. (3-0) This course uses a controlled studio environment to explore issues in lighting and set design for product and figurative digital and photographic imaging. Medium and large format camera techniques will be used as well as digital and 35mm formats. Prerequisite: ARTS 2361, 3364.
- 3372 Printmaking II. (3-3) The student will focus on one or more of the basic printmaking techniques. Emphasis placed on further development of visual, conceptual and technical abilities. Prerequisite: ARTS 2371.
- 3373 Printmaking III. (3-3) The student will focus on one or more of the printmaking techniques. Emphasis placed on developing the ability to produce professional editions. Prerequisite: ARTS 3372.
- 3374 Printmaking IV. (3-3) The student will focus on one or more of the printmaking techniques. Emphasis placed on experimental research leading to innovative visual results. Prerequisite: ARTS 3373.
- 3382 Sculpture II. (3-3) Development of a personal aesthetic direction with emphasis on the visual, conceptual and technical aspects of sculptural form. Prerequisite: ARTS 2381.

- 3383 Sculpture III. (3-3) Emphasizes personal aesthetic direction through the development of advanced metal casting and fabricating techniques. Prerequisite: ARTS 3382.
- 3384 Sculpture IV. (3-3) Focuses on developing conceptual and technical skills through the creation of large-scale sculpture. Prerequisite: ARTS 3383.
- 3392 Watercolor II. (3-3) Continues the development of creative and technical skills through a series of structured watercolor projects. Prerequisite: ARTS 2391.
- 3393 Watercolor III. (3-3) Using a variety of media, the student is encouraged to develop personal imagery through individualized projects. Prerequisite: ARTS 3392.
- 3394 Watercolor IV. (3-3) A variety of water-base media is used in individualized projects to further develop personal imagery. Prerequisite: ARTS 3393.
- 4000 Senior Art Exhibition. (0-1) A senior level course in which all graduating seniors must participate during their last academic year. Performance/work will be examined and will result in work that will be exhibited in a senior student exhibition.
- 4308 Special Topics in Studio Art (3-3) A category of courses designed to meet special needs and address issues in studio art ranging from traditional to non-traditional techniques. Repeatable for credit with different emphasis.
- 4308B Screenprinting (3-0) This course will introduce the student to serigraphy, colloquially called screenprinting, as a means for making images and producing limited edition artist prints. Manual and photographic methods will be covered, as well as traditional and experimental methods and printing surfaces. Conceptual/creative development will receive equal emphasis.
- 4308D Natural and Human Environment of Italy (3-0) This course uses Italy as the backdrop to enhance aesthetic understanding of both color (slide transparency) and black and white photography. A strong emphasis is placed on developing visual, conceptual and technical aspects of photography using advanced camera knowledge, chemistry, and sensitivity to local visual stimuli.
- 4308E Fine Art Forging (3-0) An introduction to the theories and processes of forging and blacksmithing for both ferrous and non-ferrous metals.
- 4308G Digital Photography (3-0) An intermediate studio art course focusing on specific techniques and methods relating to digital photography with an emphasis on building an intensely personal framework for creating and imaginative problem solving. Both traditional and computer based techniques will be utilized. Prerequisite: ARTF 1301, 1302, 1304.
- 4308H Digital Printmaking (3-0) An introduction to digital imaging for studio art majors, using raster image editing and/or image creating software, including scanning, resolution, file formats, output devices, color systems, and image-acquisitions. Students will relate technical knowledge to contemporary art and visual culture. Prerequisites: ARTF 1301, 1302, 1304.
- 4308I Disegno a Firenze: Drawing in Florence (3-0) Part of the summer program in Italy, this class focuses on drawing from various subjects in and around the city of Florence. Through daily practice, students will address not only the fundamentals of monochromatic drawing, but also the increased perception that the act of drawing engenders.
- 4308K Electronic Image Manipulation (3-0) This course is designed to give all students the opportunity to develop a basic understanding of the digital camera and Adobe software programs. Students will accomplish this through the various assignments given and the association with each other throughout the semester. Each student will add depth to his/her understanding through the use of software packages common among many industries. Prerequisite: ARTS 2361.
- 4308M Studio Practice. (3-0) Gives students the skills needed to pursue a career in the arts, including fundamental writing and speaking skills, developing a presence on the web, taxes and legal issues, researching and approaching galleries and graduate schools, and maintaining a productive studio practice. Prerequisites: level IV of specialization, ARTS 1305.
- 4312 Studio Art Internship. (3-3) A course designed to offer students the opportunity to experience and receive academic credit for professional related activities in the field of the studio arts. Requires consent of instructor.
- 4315 Ceramics V. (3-3) Development of the conceptual and technical aspects of ceramics through experimentation, research and evaluation. Prerequisite: ARTS 3314.
- 4316 Ceramics VI – Thesis I. (3-3) The first half of the Senior Thesis for ceramics majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4315.
- 4317 Ceramics VII – Thesis II. (3-3) The second half of the Senior Thesis for ceramics majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4316 with a minimum grade of B. Corequisite: ARTS 4000.
- 4318 Ceramics Special Problems. (3-3) An advanced level, independent study in ceramics which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3313.
- 4325 Drawing V. (3-3) Requires students to pursue a personal conceptual direction in drawing and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. Prerequisite: ARTS 3324.
- 4326 Drawing VI – Thesis I. (3-3) The first half of the Senior Thesis for drawing majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4325.
- 4327 Drawing VII – Thesis II. (3-3) The second half of the Senior Thesis for drawing majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4326 with a minimum grade of B. Corequisite: ARTS 4000.
- 4328 Drawing Special Problems. (3-3) An advanced level, independent study in drawing which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3323.

- 4335 Fibers V. (3-3) Requires students to pursue a personal and conceptual direction in fibers and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. Prerequisite: ARTS 3334.
- 4336 Fibers VI – Thesis I. (3-3) The first half of the Senior Thesis for fibers majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4335.
- 4337 Fibers VII – Thesis II. (3-3) The second half of the Senior Thesis for fibers majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4336 with a minimum grade of B. Corequisite: ARTS 4000.
- 4338 Fibers Special Problems. (3-3) An advanced level, independent study in fibers which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3333.
- 4345 Metals V. (3-3) Focusing on the conceptual and technical aspects of the metal medium through experimentation, research and evaluation. Requires students to pursue a personal and conceptual direction and to produce a consistent body of artwork. Prerequisite: ARTS 3344.
- 4346 Metals VI – Thesis I. (3-3) The first half of the Senior Thesis for metals majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4345.
- 4347 Metals VII – Thesis II. (3-3) The second half of the Senior Thesis for metals majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4346 with a minimum grade of B. Corequisite: ARTS 4000.
- 4348 Metals Special Problems. (3-3) An advanced level, independent study in metals which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3343.
- 4355 Painting V. (3-3) Requires students to pursue a personal conceptual direction in painting and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. Prerequisite: ARTS 3354.
- 4356 Painting VI – Thesis I. (3-3) The first half of the Senior Thesis for painting majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4355.
- 4357 Painting VII – Thesis II. (3-3) The second half of the Senior Thesis for painting majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4356 with a minimum grade of B. Corequisite: ARTS 4000.
- 4358 Painting Special Problems. (3-3) An advanced level, independent study in painting which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3353.
- 4363 Color Photography and Digital Imaging. (3-0) This is a course in the aesthetics of color digital and photographic imaging and color prints made from transparencies. This course emphasizes developing the visual, conceptual and technical aspects of digital and photographic imaging using advanced camera knowledge and color chemistry for printing both color negative and digital files. Prerequisite: ARTS 4364.
- 4364 Advanced Digital Photography. (3-0) This course explores advanced concepts and techniques in digital imaging including the production of large scale digital negatives. Prerequisites: ARTS 3364.
- 4366 Digital and Photographic Imaging–Thesis I. (3-3) This course is a senior-level course for digital and photographic imaging majors requiring a series of related photographs which are documented in a written progress report. This course is the first half of the senior thesis. Prerequisites: Three hours from ARTS 3363, 3365, 4363.
- 4367 Fine Art Photography Thesis II. (3-3) The course is the second half of the Senior Thesis for photography majors requiring a series of original photographs to be documented in a written creative statement. An exhibition in the gallery of some or all of the work culminates the senior thesis. Prerequisite: ARTS 4366 with a minimum grade of B. Corequisite: ARTS 4000.
- 4368 Fine Art Photography Special Problems. (3-3) An advanced level, independent study in photography which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisites: ARTS 2361; ARTF 1301, 1302, and art major or minor classification.
- 4369 Criminal Investigative Photography and Digital Imaging. (3-0) This course provides exploratory experiences in the accepted digital and photographic techniques used by law enforcement agencies to both document and investigate criminal activity and accidents.
- 4375 Printmaking V. (3-3) Requires students to pursue personal conceptual direction in a major printmaking technique and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. Prerequisite: ARTS 3374.
- 4376 Printmaking VI – Thesis I. (3-3) The first half of the Senior Thesis for printmaking majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4375.
- 4377 Printmaking VII – Thesis II. (3-3) The second half of the Senior Thesis for printmaking majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4376 with a minimum grade of B. Corequisite: ARTS 4000.
- 4378 Printmaking Special Problems. (3-3) An advanced level, independent study in printmaking which requires students to pursue a personal conceptual direction and to develop the

- appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3373.
- 4379 Introduction to Book Arts. (3-0) This class examines the book as a complex visual and tactile art form. Demonstrations are given on traditional bindings from Asia and Europe. Students produce multiple mock-up books in addition to a major project of their choosing. Slide lectures introduce the history of books and an overview of contemporary artistic activity.
- 4385 Sculpture V. (3-3) The conceptual and technical aspects of sculpture are developed through experimentation, research and evaluation. Requires students to pursue a personal and conceptual direction and to produce a consistent body of artwork. Prerequisite: ARTS 3384.
- 4386 Sculpture VI – Thesis I. (3-3) The first half of the Senior Thesis for sculpture majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4385.
- 4387 Sculpture VII – Thesis II. (3-3) The second half of the Senior Thesis for sculpture majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4386 with a minimum grade of B. Corequisite: ARTS 4000.
- 4388 Sculpture Special Problems. (3-3) An advanced level, independent study in sculpture which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3383.
- 4395 Watercolor V. (3-3) The conceptual and technical aspects of painting with water-base media are developed through experimentation, research and evaluation. Prerequisite: ARTS 3394.
- 4396 Watercolor VI – Thesis I. (3-3) The first half of the Senior Thesis for watercolor majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 3395.
- 4397 Watercolor VII – Thesis II. (3-3) The second half of the Senior Thesis for watercolor majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4396 with a minimum grade of B. Corequisite: ARTS 4000.
- 4398 Watercolor Special Problems. (3-3) An advanced level, independent study in watercolor which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3393.
- assessment tools; program development; presentations and current realities; trends and issues. (WI)
- 3370 Art Theory and Practice. (3-3) Introduces the theories and practices of children's art learning for the non-art major.
- 3372 Art Theory and Practice for Children. (3-3) A survey and analysis of the theories and practices of teaching art to children. Topics include artistic development, art programming, content, philosophies, methodologies, objectives and assessment. Requires 10 clock hours of field experience in an elementary art learning setting. Prerequisite: ARTT 2371. (WI)
- 3373 Art Theory and Practice for Adolescents. (3-3) The theories and practices of adolescent art learning. Topics include: learning environments; artistic development; presentation methodologies, objectives and assessment; and other current topics. Requires 10 clock hours of field experience in a secondary school art setting. Prerequisites: ARTT 2371, 3372. Recommended co-requisite: ARTT 3374.
- 3374 Learning and Digital Media. (3-3) The theories and practices of using electronic media for the creation of art as well as for the enhancement of the art learning process. Prerequisites: ARTT 2371, 3372. Recommended co-requisite: ARTT 3373.
- 4375 Art Criticism, History, and Aesthetics. (3-3) A survey and in-depth analysis of the philosophies and structures of art criticism, art history, and aesthetics, as well as contemporary methodologies for analyzing, interpreting and judging works of art. Prerequisites: ARTT 2371, 3372, 3373, 3374 or consent of instructor. (WI)
- 4376 Special Problems in Art Theory and Practice. (3-3) Individualized study focusing on personal skill and knowledge development related to art learning experiences. Research will include a review of literature, a design for practical experience, and documentation of results and conclusions. May be repeated with different emphasis for additional credit. (WI)
- 4380 Special Topics in Art Theory and Practice. (3-0) A category of courses designed to meet special needs and address issues in art ranging from traditional to non-traditional and contemporary concerns in the area of art theory and practice. Repeatable for credit with different emphasis.
- 4380A Computer Art (3-0) An advanced level elective designed to examine and apply various techniques of creating and utilizing computer art for use in teaching art in the public schools.
- 4380B Introduction to Advanced Placement Courses in Public Schools (3-0) An advanced level elective designed to examine the advanced placement course programs available in the public schools.
- 4380C Community-Based Art Programs (3-0) This course will survey the growing field of community arts and prepare students to work in or with community-based arts programs.

Courses in Art Theory and Practice (ARTT)

- 2371 Fundamentals of Art Theory and Practice. (3-3) A survey and analysis of the theories and practices of art learning. Topics include: philosophy; history and theory of art learning; technology; artistic development; learning theories;

Department of Communication Studies

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www.finearts.txstate.edu/commstudies

DEGREE PROGRAMS OFFERED

BA, major in Communication Studies

BA, major in Communication Studies (with Teacher Certification)

MINORS OFFERED

Communication Studies

Leadership Studies

Political Communication

Communication studies examines the creation, expression, and analysis of messages and of message impact. Communication studies students investigate communication processes within and among individuals, groups, organizations, and societies. They explore verbal and nonverbal communication, organizational and business communication, rhetoric and criticism, argumentation and persuasion, and communication technology.

Communication studies majors learn principles and practical skills useful for careers in business, industry, government, non-profit organizations, social services, and education. Graduates enter such professions as law, business, public relations, human resources, training and development, marketing and sales, public administration, politics, and ministry.

Bachelor of Arts Major in Communication Studies Minimum required: 120 semester hours

A major in communication studies requires completion of a minimum of 33 semester hours in communication studies. Majors must complete at least fifteen semester hours at the 3000-4000 level. All communication studies majors must declare an official minor. See the Degrees and Programs section of this catalog. All BA students are required to complete the University College general education core curriculum and BA degree requirements.

Special Requirements

1. General education core curriculum options should be discussed with your academic advisor. Requirements and choices are listed in the University College section.
2. In addition to the core curriculum requirements, the Bachelor of Arts degree requires three additional hours of English literature, three hours of math/science/logic/computer science courses, and six hours of 2000-level modern language courses.
3. Any student admitted to Texas State may declare and be admitted to the program under the temporary status called pre-communication studies. With this status, students may enroll in the following communication courses, COMM

1310, 2315, 2330, and 2338. Once a student has accumulated at least 45 hours and has a Texas State GPA of at least 2.50, the student may then declare a major in Communication Studies. Only students admitted to the major will be able to register for additional upper level courses.

Communication Studies Major

A major in Communication Studies is designed to prepare students for a variety of careers including business, public service, the ministry, education, law and other professions. A Communication Studies major provides maximum flexibility in helping students achieve their personal and professional goals.

All Communication Studies majors are required to take the following six courses which constitute the core of the major:

- COMM 1310 Fundamentals of Human Communication
- COMM 2315 Interpersonal Communication
- COMM 2330 Small Group Communication
- COMM 2338 Public Speaking
- COMM 3301 Communication Research Methods and Theory
- COMM 3302 Rhetorical Criticism

The remaining five courses that complete the major, four of which must be upper-level courses, are selected from a variety of course offerings. Students may select their five elective courses from a full range of courses that reflect a variety of communication contexts, methodological approaches, and areas of concentration. For example, students may wish to select courses from organizational communication and interpersonal communication, as well as public communication and rhetorical studies.

Some students may wish to concentrate on a particular area of communication study. Although there is no required sequence of courses for any single concentration, the following areas of concentration are provided as a general guide to assist students in providing a focal point for their communication study.

Interpersonal Communication

Courses that focus on interpersonal communication are designed to provide students with skills and knowledge to pursue a variety of career goals that involve interpersonal interactions with others. This concentration of courses is appropriate for students seeking careers in business, non-profit organizations, sales, public relations, customer service, counseling, hospitality services (e.g. travel or hotel industry) or other careers or professions which emphasize effective human relationship skills. In addition to the six core courses, students may wish to select from the following courses: COMM 3325, 3326, 3328, 3329, 3330, and 4331.

Organizational Communication

Courses that focus on organizational communication are designed to enhance the student's marketability in careers requiring skills in the management of human relationships and communication flow within contemporary business, public service, non-profit, and professional organizations. Students interested in organizational communication may wish to select from the following courses: 3319, 3325, 3329, 3330, 3358, 4324, 4329, 4331, 4347, and 4390.

Persuasive Communication

The specialization in persuasive communication emphasizes study in rhetoric, public address, and argumentation. This concentration is appropriate for students planning careers in business and industry, non-profit organizations, sales and marketing, the ministry, law, politics or other careers in which persuasion, rhetorical, and analytical skills are important. Students interested in persuasive communication may select from the following courses: COMM 3345, 3334, 4307, 4321, 4322, 4323, 4324, 4331, 4338, and 4345.

Application may be made to the departmental internship committee for permission to enroll in COMM 4390. A 2.75 GPA (3.0 preferred), senior status, and completion of at least 21 hours of communication studies courses are usually required. An internship will afford the student an opportunity to work in a communication related role in an organization and apply that work experience to communication theories, principles, skills, and strategies learned in communication studies courses. Normally the student will be expected to work on the job for approximately 100 clock hours, complete a research project, and submit an analytical journal for 3 semester hours of academic credit.

Teacher Certification

Students seeking secondary teacher certification follow the general communication studies specialization. In addition to the required courses in the major (COMM 1310, 2315, 2330, 2338, 3301 and 3302) they must take COMM 2326, 3345, 4310, 4320 and one 3-hour upper division COMM elective course.

Minor in Communication Studies

A minor in Communication Studies requires 21 hours, including COMM 1310, 2315, 2330, and 2338 and 9 hours of COMM electives; 3 of which must be advanced. COMM 2111 and 4111 will not be counted toward the minor.

A Second Teaching Field in Communication Studies requires 27 hours including: COMM 1310, 2315, 2330, 2338, 2326, 3345, 4310, 4320 and 3 hours of COMM electives.

Minor in Leadership Studies

A minor in Leadership Studies is interdisciplinary and requires 21 hours, including courses from the following departments: Communication Studies, Management, Agriculture, Philosophy, Aerospace Studies, Psychology, and Health Administration. The three required core courses are COMM 2315, 4347, and PHIL 3322. In addition, students select two courses (6 hours) which emphasize leadership skill development and two courses (6 hours) which provide a theoretical or conceptual approach to leadership. All students in this minor will be advised by the Department of Communication Studies. Students entering the program will be contacted by the department and will be required to see an advisor before selecting elective courses.

- Core Courses: COMM 2315, 4347; PHIL 3322
- Two Courses: 6 hours from COMM 3345, 2330, 2338, 3325; MGT 3353
- Two Courses: 6 hours from COMM 3319, 4331, 4390; HA 2310, 3324; PSY 3331, 3333; MGT 3303; AS 3311, 3312

If a student elects a minor in Leadership Studies, no COMM or other course from the listed discipline may count both for a major and a minor.

Minor in Political Communication

A minor in Political Communication addresses a variety of theories, principles, and skills related to the political communication process. The minor is designed for students interested in law, politics, public administration, public policy, or other professions related to issues and ideas in a political communication context.

A minor in Political Communication requires 24 hours, which includes 12 hours from the Department of Communication Studies and 12 hours from the selected courses from the Department of Political Science.

All students minoring in Political Communication are required to take COMM 4345. The remaining nine hours from the Department of Communication Studies must be selected from the following COMM courses: 3345, 2338, 3302, 4307, 4321, 4322, 4324, 4323, 4331, or 4338.

The 12 hours selected from the Department of Political Science should be taken from the following POSI courses in groups:

1. 3 hours from: 3331, 3332, 3333, 3334.
2. 3 hours from: 3305, 3306, 3307, 3310, 3311, 3312, 3314, 4301, 4302, 4322, 4331, 4336, or 4345.
3. 3 hours from: 3308, 3309, 4311.
4. 3 hours from: 4313, 4314, 4315, 4326, 4327, 4338, 4340, 4341, 4349, 4350, 4351, 4357, 4358, 4359, or 4340.

If a student elects to minor in either communication studies or political science, no COMM or POSI course may count both for a major and a minor.

Courses in Communication Studies (COMM)

1310 (SPCH 1311) Fundamentals of Human Communication. (3-0)

This course examines the speaking and listening principles and techniques that are fundamental for every aspect of human communication. The course develops basic verbal and nonverbal communication skills and knowledge in three specific contexts: interpersonal, small group, and public speaking. (MC)

1340 (SPCH 1342) Voice and Diction. (3-2) The human voice and the sounds of speech. The student's own voice and pronunciation will be the primary concern, using practice sessions to develop more acceptable patterns of voice and sounds. Prerequisite: COMM 1310.

2111 (SPCH 1144, 1145, 2144, & 2145) Speech and Drama Activities. (1-1) A course designed to provide credit for participation in communication studies and theatre activities. May be repeated for a total four credits in communication studies and four credits in theatre. May be repeated with different emphasis for additional credit.

2315 (SPCH 1318) An Introduction to Interpersonal Communication. (3-0) An introduction to materials exploring face-to-face communication and relational development. Emphasis on conceptual foundations, personal growth and skill enhancement. Prerequisite: COMM 1310.

- 2326 Interpretive Reading. (3-0) A study of the techniques of the oral interpretation of literature with an emphasis on performance. Prerequisite: COMM 1310.
- 2330 (SPCH 2333) Small Group Communication. (3-0) A study of communication in the small group, including analysis of the influence of group structure, teambuilding, norms, roles, leadership, and climate on group process. Special emphasis on problem-solving discussion. Prerequisite: COMM 1310.
- 2338 (SPCH 1315) Public Speaking. (3-0) This course helps the student to develop personal speaking skills and introduces principles of contemporary types of speeches. Prerequisite: COMM 1310.
- 3301 Communication Research Methods and Theory. (3-0) An analysis of communication as a behavioral science with emphasis on quantitative research. Focuses on the student as a consumer of communication research. Explores the interdisciplinary nature of human communication as well as the resulting theory and principles. Prerequisite: COMM 2315 or 2330.
- 3302 Rhetorical Criticism. (3-0) Exploration and application of methods of analysis and evaluation of rhetorical discourse. Emphasis on developing critical research and writing skills. Students should complete COMM 3333 before enrolling in other advanced rhetorical studies courses. Prerequisite: COMM 2338.
- 3318 Studies in Human Communication. (3-0) This series of courses presents a variety of topics associated with communication theory and provides an application of communication principles in contemporary contexts. Consult the department chair for the most recent additions. Prerequisite: Full major or minor status.
- 3318J Communication in Health Organizations. (3-0) This course examines the delivery and exchange of messages within health organizations. Specific communication contexts to be emphasized will include interpersonal conflict, negotiating, communication networks, communication environments, virtual systems of communication, channel/media selection strategies, communication climate, communities of practice, public relations communication campaigns, and organizational crisis management. Prerequisite: COMM 2315 or 2330 or 2338.
- 3318K Diversity and Communication. (3-0) This course will examine various styles of formal and informal communication and how to build awareness and understanding of diversity. It will address diversity issues stemming from similarities and differences in social characteristics such as age, gender, race, and sexual orientation. It will address how society communicates about issues related to diversity. Prerequisites: COMM 2315 or 2330 or 2338.
- 3318L Relational Communication. (3-0) A study of communication in human relationships.
- 3318M Intercultural Communication in the Americas. (3-0) This course explores principles and practices of intercultural communication with specific applications to North and South America.
- 3318N Communication Theory (3-0) This course examines the assumptions embedded in and influencing current and past communication theories. How communication theory "creates" concepts of self and knowledge is discussed. Ethical dimensions of theory and method are considered and examination of the components of theories, their value and ways of classifying them. Emphasis is placed on being critical of the application and use of theory. Activities and assignments will stress the necessity for reading what others have to say on daily matters of communication, as well as assessing the quality of material available to the scholar.
- 3319 Introduction to Organizational Communication. (3-0) Examines contemporary research about the influence of communication on the organization. Prepares the student to understand and manage communication processes in organizations. Prerequisites: COMM 2315 or 2330; Full major or minor status.
- 3325 Communication and Conflict Management. (3-0) Demonstrates the ways communication skills can be used to manage conflict. The class also provides an analytic framework for diagnosing conflict, negotiation, and mediation. Prerequisites: COMM 2315 or 2330 or permission of instructor; Full major or minor status. (WI)
- 3326 Family Communication. (3-0) A study of the theory and research exploring the family communication process in a variety of family types. Prerequisites: COMM 2315; Full major or minor status. (WI)
- 3328 Communication and Gender. (3-0) Investigates the interactive nature of communication and gender, the creation of gender identities, and the role of gender and communication in a variety of settings. See ANTH 3350. Prerequisites: COMM 2315; Full major or minor status. (MC) (WI)
- 3329 Intercultural Communication. (3-0) Presents theory and application of communication skills for a culturally diverse world. Develops verbal and nonverbal abilities in social and professional intercultural contexts. Prerequisites: COMM 2315, 2330, or 2338; Full major or minor status. (MC)
- 3330 Nonverbal Communication. (3-0) Introduces the conceptual foundations of nonverbal communication. Theoretical components, research methods and applications of nonverbal communication are also explored in a variety of contexts. Prerequisites: COMM 2315; Full major or minor status.
- 3345 Argumentation and Debate. (3-0) A study of basic principles of argumentation emphasizing analysis, evidence, reasoning, and refutation and their applications in formal and informal debate contexts. Students will do laboratory work with the University forensics squad. Prerequisite: COMM 1310.
- 3358 Professional Communication. (3-0) Application of self-presentation and interaction concepts and skills to the transition from undergraduate studies to professional life, including job selection, resume preparation and presentation, interviewing, and interaction management in business and professional settings. Prerequisite: COMM 2315, 2330, or 2338.
- 4111 Practicum in Communication Studies. (0-1) On-the-job experience working with faculty to assist with the department missions of teaching, research or service. Students may work in the department communication lab, assist faculty in the classroom, serve as faculty research assistants or other academic support tasks. May be repeated one time for additional credit. Prerequisites: Senior class standing and permission of department chair; Full major or minor status.
- 4307 Media Criticism. (3-0) Explores the influence of media messages based upon communication and rhetorical theories in shaping perceptions and values. Focus is upon the rhetorical

- analysis of how the visual media of film and television communicate social, political, and personal attitudes and behaviors. Prerequisites: COMM 2338; Full major or minor status.
- 4310 **Methods of Teaching Communication Studies.** (3-0) A study of methods of teaching communication studies principles and skills for secondary school teachers. Prerequisites: Permission of instructor; Full major or minor status. (WI)
- 4315 **Directed Research in Communication Studies.** (3-0) Individual or group research projects at the advanced level that are not offered in the present curriculum. Permission and project approval must be obtained from the departmental chair prior to registration. May be repeated with different emphasis for additional credit. Prerequisites: Permission of instructor; Full major or minor status.
- 4320 **Directed Communication Studies and Theatre Activities.** (3-0) Designed to assist individuals to manage and implement programs in communication studies and theatre. The course includes practical experience in directing debate, plays, and individual events. Repeatable for credit with different emphasis. Prerequisites: COMM 3345 or permission of instructor; Full major or minor status.
- 4321 **American Speeches.** (3-0) Analysis and evaluation of major American speeches and their influence on the history and culture of the United States from 1630 to the present. Prerequisites: COMM 2338; Full major or minor status.
- 4322 **Rhetoric of Protest Movements.** (3-0) Explores the persuasive strategies used by protest and political movements to promote social and political change. Focuses upon the application of critical perspectives in understanding the stages, leadership styles, and rhetorical appeals characteristics of movements in American society. Prerequisites: COMM 2338; Full major or minor status. (MC)
- 4324 **Organizational Rhetoric.** (3-0) Guided by principles of rhetoric, students will investigate a variety of functions for internal and external audiences. Functions will include building identity; managing issues, impressions, and crisis; and influencing organizational culture. Students will use this knowledge to create and analyze organizational messages. Prerequisite: COMM 2338.
- 4325 **Communication and Technology.** (3-0) A course designed to focus on research and theories about the relationships between technology and communication behavior. Topics include how various forms of telephony, computer use, computer mediated communication, and broadcast media affect interpersonal, organizational, political, and intercultural communication. Prerequisite: COMM 2315, 2330, or 2338.
- 4326 **Health Communication.** (3-0) This course is intended to provide students with the practical knowledge and skills to help design, implement, and evaluate health communication campaigns and interventions. Prerequisite: COMM 2315, 2330, or 2338.
- 4329 **Communication Training and Human Resource Development.** (3-0) This course presents the principles and skills of developing and presenting communication training programs. An emphasis is placed upon applications of communication skill development, communication theory, and instructional communication research in organizational contexts. Prerequisites: COMM 2315, 2330, and 2338.
- 4331 **Persuasion.** (3-0) An investigation of rhetorical and behavioral theories of persuasion, the devising of persuasive campaigns, as well as the consumption and generation of persuasive messages in a variety of communication settings. Applicable for careers in business, law, and human relations. Prerequisites: COMM 2315 or 2338; Full major or minor status.
- 4338 **Advanced Public Speaking.** (3-0) In-depth critical analysis of speech construction and the development of presentation skills. Prerequisites: COMM 2338; Full major or minor status.
- 4345 **Political Communication.** (3-0) A study of historical and contemporary political campaigns in the United States analyzing management strategies, promotional techniques, and rhetorical messages. Prerequisites: COMM 2338; Full major or minor status.
- 4347 **Leadership and Communication.** (3-0) An advanced course in communication designed to examine in detail the phenomenon of leadership in groups and organizations. Various theories and approaches to leadership will be surveyed with an emphasis on applying leadership principles. Prerequisites: COMM 2330; Full major or minor status.
- 4390 **Communication Internship.** (0-6) Actual on-the-job experience in a communication-related role in an approved organization; requires permission of instructor, a minimum of 150 clock hours on the job, a written contract with the internship coordinator, and written research reports. Prerequisites: COMM 3319 or 4347 with a grade of B, and a full major or minor status. Students cannot gain more than three hours credit for COMM 4390.

School of Journalism and Mass Communication

Old Main 102

T: 512.245.2656 F: 512.245.7649

www.masscomm.txstate.edu

DEGREE PROGRAMS OFFERED

BA, major in Mass Communication

BA, major in Mass Communication-Advertising

BA, major in Mass Communication-Electronic Media

BA, major in Mass Communication-Journalism

BA, major in Mass Communication-Public Relations

MINORS OFFERED

Journalism

Mass Communication

The School of Journalism and Mass Communication is an ACEJMC accredited program that offers a curriculum that introduces students to the broad framework of mass communication, emphasizing what is common and fundamental to advertising, broadcasting, journalism and public relations.

The mission of the School of Journalism and Mass Communication is to pursue excellence. Our programs strive to cultivate strong professional, research, theoretical, critical and ethical skills in a diverse and engaging environment that prepares students to be

socially responsible media professionals, scholars and citizens. Students may earn a Bachelor of Arts in mass communication, mass communication-advertising, mass communication-electronic media, mass communication-journalism or mass communication-public relations.

Students may gain experience by working in student media, such as the *University Star*, KTSW 89.9 FM, *Bobcat Update*/Channel 23 News, and through internships outside the school. They also have the opportunity to participate in intercollegiate competitions through organizations such as the American Advertising Federation, Public Relations Society of America, Texas Intercollegiate Press Association, National Broadcast Society, and the Society of Professional Journalists.

To earn a Bachelor of Arts degree in Mass Communication, students must complete 120 semester hours, which includes the general education requirements, BA degree requirements, 33 hours in Mass Communication, and a minor outside the school. No more than 40 hours of Mass Communication may be counted toward degree requirements.

Because 21 hours of the 33-hour Mass Communication major must be advanced (junior-senior) hours, community college transfer students may apply no more than 12 semester credit hours of mass communication transfer courses to their degree. Transfer students from four-year institutions may apply no more than 15 semester credit hours of mass communication transfer courses to their degree. Regardless of transfer coursework at least 18 hours of the major coursework must be earned at Texas State.

Special Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least forty-five credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major. A grade of a "C" or higher in the following courses or their equivalents: ENG 1310, ENG 1320, COMM 1310 and MC 1301. An overall GPA of at least a 2.5 on a 4.0 scale. A passing score on the school's grammar, spelling and punctuation (GSP) test. Students who have not met the university's computer literacy requirement will need to complete CS 1308, or its equivalent, with a grade of "C" or higher.
2. General education core curriculum options should be discussed with a Mass Communication academic advisor. Requirements and choices are listed in the University College section.
3. The Bachelor of Arts degree requires 6 hours of English literature, 2310 and 2320 of a modern language and SOCI 3307.
4. The Grammar, Spelling and Punctuation test (GSP) is given by the Texas State Testing, Research-Support and Evaluation Center on the main campus. The GSP is administered weekly; call 512.245.2276 for testing times. The test can only be taken a maximum of three times, and there is a fee of \$40 per test. Students enrolled at the Round Rock

Center should call the One Stop Center at (512) 716-4000 for testing information.

5. Advising. In an effort to promote the academic welfare of all Mass Communication students, the school requires that all pre-major mass communication majors be academically advised each semester before they register. An advisor is available year round to assist all Mass Communication students with academic issues and concerns. Students should contact a Mass Communication Academic Advisor at (512) 245.2656 to schedule an appointment.
6. All students must earn a "C" or higher in each of five core courses in Mass Communication, which include: MC 1301-Introduction to Mass Communication, MC 1313-Writing for Mass Media, MC 4301-Mass Communication Law, one course chosen from: MC 3355-Mass Media and Society, MC 4302-History of Mass Media or MC 4310-International Communication and one course chosen from MC 3319-Visual Communication, MC 3311-Video Production, MC 3390-Publication Design and Production, MC 4304 Advertising Strategy and Execution-Portfolio, MC 4309 Visual Literacy: Film, MC 4312-Photojournalism or MC 4315 Web Design and Publishing.
7. Students must earn a "C" or higher in all prerequisite courses.
8. At the Round Rock Center only the Bachelor of Arts in Mass Communication degree program is offered.

Mass Communication Specializations

In addition to core MC courses, the school offers courses to prepare students for work within all areas of mass communication. Students may concentrate their study in Advertising, Electronic Media, Journalism or Public Relations, or elect a general Mass Communication course of study. Students must complete an additional 18 hours from one of these areas. They should see a Mass Communication Academic Advisor in the school office for assistance in planning their programs in these areas of study.

Advertising

The Advertising sequence aims to help students sharpen their creativity and learn how to solve clients' problems. To the end, the Advertising sequence offers courses that cover the major job descriptions of advertising, such as account management, creative, and media. From the courses, students will get exposed to various issues in the field and learn the skills that are needed to become professional. Further, students will have opportunities to participate in extracurricular activities designed to train and prepare students for the job market through AAF (American Advertising Federation) student advertising competition and Ad Club.

Electronic Media

The Electronic Media sequence offers courses designed to prepare students for careers in broadcasting, cable, satellite and new media. The courses emphasize journalism, audio and video production, management, and programming by combining skills instruction with decision-making opportunities, which students put into practice while working for student media. Electronic media sequence students receive hands-on experience while working for radio station KTSW, a cable access television channel, and online.

Students are also encouraged to seek internships in professional media organizations off-campus.

Mass Communication

The Mass Communication sequence emphasizes theory and research for students interested in graduate school and also provides flexibility for students to study other areas of mass communication.

Journalism

The journalism sequence prepares students to be reporters, editors, designers and visual journalists. An emphasis is placed on writing and multimedia skills. Students are encouraged to work with campus media outlets, including the University Star newspaper, and to seek internships with media organizations off campus.

Public Relations

Based on the skills of writing, graphics and internet tools, public relations students learn to develop strategies to effectively communicate carefully designed messages to audiences important to their organizations. Students have opportunities to practice their skills in Bobcat PRomotions, the student-run public relations agency, and in internships in Texas and major cities in the United States.

Bachelor of Arts Major in Mass Communication Minimum required: 120 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	ENG Literature	3	ART, DAN, MU, TH 2313	3	MC 3383, 4305	6
ENG 1310, 1320	6	PHIL 1305	3	MC 3360	3	MC 4301, 4302 or 4310	6
Mathematics Component	3	MC 1313, 3355	6	MC advanced elective	6	Minor	12
US 1100	1	Natural Science Component	4	Minor	6	Advanced Free Electives	3
POSI 2310	3	Modern Language 1410, 1420	8	Modern Language 2310, 2320	6		
HIST 1310	3	HIST 1320	3	SOCI 3307	3		
MC 1301, Visual Communication Component*	6	POSI 2320	3	ENG Literature	3		
Natural Science Component	3			PFW one course	1		
Social Science Component	3						
PFW one course	1						
*3 hours from: MC 3319, 3311, 3390, 4304, 4309, 4312 or 4315	3						
Total	32	Total	30	Total	31	Total	27

Bachelor of Arts Major in Mass Communication-Advertising Minimum required: 120 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	ENG Literature	3	ENG Literature	3	MC 4307	3
ENG 1310, 1320	6	PHIL 1305	3	ART, DAN, MU, TH 2313	3	MC 3373, 3379, 4303, 4304, 4306, or 4316D	3
Mathematics Component	3	MC 1313, 3367	6	MC 3368, 3372, 4316F	9	MC 4301, 3355 or 4302 or 4310	6
US 1100	1	Natural Science Component	4	Minor	6	Minor	12
POSI 2310	3	Modern Language 1410, 1420	8	Modern Language 2310, 2320	6	Advanced Free Electives	3
HIST 1310	3	HIST 1320	3	SOCI 3307	3		
MC 1301, Visual Communication Component*	6	POSI 2320	3	PFW one course	1		
Natural Science Component	3						
Social Science Component	3						
PFW one course	1						
*3 hours from: MC 3319, 3311, 3390, 4304, 4309, 4312 or 4315	3						
Total	32	Total	30	Total	31	Total	27

Bachelor of Arts Major in Mass Communication-Electronic Media Minimum required: 120 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	ENG Literature	3	ENG Literature	3	MC 3312	3
ENG 1310, 1320	6	PHIL 1305	3	ART, DAN, MU, TH 2313	3	MC 3307, 3310, 3375, 4330, 4356D or 4356I	3
Mathematics Component	3	MC 1313, 3374	6	MC 3306, 3311, 3394	9	MC 4301, 3355 or 4302 or 4310	6
US 1100	1	Natural Science Component	4	Minor	6	Minor	12
POSI 2310	3	Modern Language 1410, 1420	8	Modern Language 2310, 2320	6	Advanced Electives	3
HIST 1310	3	HIST 1320	3	SOCI 3307	3		
MC 1301, Visual Communication Component*	6	POSI 2320	3				
Natural Science Component	3	PFW one course	1				
Social Science Component	3						
PFW one course	1						
*3 hours from: MC 3319, 3311, 3390, 4304, 4309, 4312 or 4315	3						
Total	32	Total	31	Total	30	Total	27

Bachelor of Arts Major in Mass Communication-Journalism Minimum required: 120 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	ENG Literature	3	ENG Literature	3	MC 4312 or 4356B or 4356C	
ENG 1310, 1320	6	PHIL 1305	3	ART, DAN, MU, TH 2313	3	or 4356D or 4356F or 4356G or	
Mathematics Component	3	MC 1313, 3374	6	MC 3320, 3383, 3390 or		4356I	3
US 1100	1	Natural Science Component	4	4315	9	MC 4330 or MC Advanced	
POSI 2310	3	Modern Language 1410, 1420	8	Minor	6	Elective	3
HIST 1310	3	HIST 1320	3	Modern Language 2310, 2320	6	MC 4301, 3355 or 4302 or	
MC 1301, Visual Communication Component*	6	POSI 2320	3	SOCI 3307	3	4310	6
Natural Science Component	3	PFW one course	1			Minor	12
Social Science Component	3					Advanced Free Electives	6
PFW one course	1						
*3 hours from: MC 3319, 3311, 3390, 4304, 4309, 4312 or 4315	3						
Total	32	Total	31	Total	30	Total	27

Bachelor of Arts Major in Mass Communication-Public Relations Minimum required: 120 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	ENG Literature	3	ENG Literature	3	MC 4313, 4320	6
ENG 1310, 1320	6	PHIL 1305	3	ART, DAN, MU, TH 2313	3	MC 4301, MC 3355 or 4302 or	
Mathematics Component	3	MC 1313, 3343	6	MC 3360, 3390 or 4315,		4310	6
US 1100	1	Natural Science Component	4	3383	9	Minor	12
POSI 2310	3	Modern Language 1410, 1420	8	Minor	6	Advanced Free Electives	3
HIST 1310	3	HIST 1320	3	Modern Language 2310, 2320	6		
MC 1301, Visual Communication Component*	6	POSI 2320	3	SOCI 3307	3		
Natural Science Component	3	PFW one course	1				
Social Science Component	3						
PFW one course	1						
*3 hours from: MC 3319, 3311, 3390, 4304, 4309, 4312 or 4315	3						
Total	32	Total	31	Total	30	Total	27

Minor in Mass Communication

A minor in Mass Communication requires 18 hours, including MC 3343, 3355, 3367, 4302, and 6 hours selected from MC 1301, 3375, 4303, 4308, 4309, 4310, 4376A, 4318, MC 4319, MC 4382L, MC 4382M, MC 4382N, MC 4382O or MC 4382P.

Minor in Journalism

A minor in Journalism requires 18 hours, including MC 1301, 1313, 3374, 3383, 3390, 4301, and a passing score on the GSP test. The GSP must be passed to enroll in any course beyond MC 1301.

Students seeking teacher certification under an academic major other than Mass Communication may select a second teaching field in Journalism by completing MC 1301, 1313, 3374, 3383, 3390, and 4301. A passing score on the GSP test is also required.

Courses in Mass Communication (MC)

- 1100 Special Topics in Mass Communication. (1-0) Intensive look at special topics in mass communication.
- 1100A Careers in Media. (1-0) Students engage in career exploration in the media professions.
- 1100B Grammar for Journalists. (1-0) Students refine their English grammar skills to a proficiency level needed to be successful journalists.
- 1301 (COMM 1307) Introduction to Mass Communication. (3-0) A survey of the mass media and other areas of mass communication designed to acquaint the student with the field of communication and what it offers.
- 1313 (COMM 2311) Writing for the Mass Media. (2-2) An introduction to the major forms of writing for the mass media: advertising, broadcasting, print journalism and public relations. Prerequisite: Full major status and typing skill. (WI)
- 2111 Media Practicum. (0-4) Students perform supervised media work of at least 60 hours for the semester. Credit requires prior written contract with a supervising faculty member. May be repeated twice. Graded on a credit (CR), no-credit (F) basis.
- 3306 Writing for the Electronic Media. (2-2) The study and practice of writing copy for the electronic media, including the composition of commercials, news stories, public service announcements, promotions and documentaries. Prerequisites: Full major status, MC 1313. (WI)
- 3307 Audio Production. (2-4) The basics of digital audio production with emphasis on techniques used in producing commercials, public service announcements and promotions. Lab requirements include a regular air-shift on the campus radio station and structured group meetings.
- 3310 Radio News. (2-4) Standard theory and practice of radio news production, including digital recording and editing of sound, and the writing and presentation of news copy. Students will deliver newscasts for the campus radio station. Prerequisites: Full major status, MC 1313. (WI)
- 3311 Video Production. (2-4) Basics of analog and digital video production. Emphasis on techniques used in producing newscasts, commercials, public service announcements, promotions. Lab requirements include field and studio production. Prerequisite: Full major status.
- 3312 Television News. (1-7) Standard theory and practice of electronic news gathering and production, including writing copy to match video and synchronization of audio and video

in news stories. Students work on a campus news program. Prerequisites: Full major status, MC 3306, 3311. (WI)

- 3319 Visual Communication. (3-0) This course studies the principles, theories, and language of visual communication, emphasizing the evaluation and use of images in mass media. It is designed to help you integrate words and pictures in mass communication and to gain a greater appreciation of our visual world.
- 3320 Advanced Media Reporting & Writing. (2-2) Integrating writing and reporting skills to produce in-depth stories using multiple sources of information. Techniques of investigative reporting, online, database resources, social science reporting and feature writing with emphasis on understanding the appropriate approach. Prerequisites: Full major status, MC 1313. (WI)
- 3343 Introduction to Public Relations. (3-0) The introductory course for the public relations sequence. Explores the functions of public relations in the information age and its role in corporations, companies, government offices, non-profit organizations and public relations agencies.
- 3355 Mass Media and Society. (3-0) An examination of the roles of the mass media in American society, including an analysis of the philosophical basis of media structure; mass media as business; media effects on public issues, morals and tastes; and other contemporary issues.
- 3360 Research Methods in Mass Communication. (3-0) Study of the principles, techniques and problems of quantitative and qualitative research as they relate to mass communication. Prerequisite: Full major status.
- 3367 Advertising. (3-0) A broad overview of advertising including history, role and responsibility, and impact of the digital revolution. Key topics will be research, account service, media planning, creative, sales promotion, public relations, campaigns, and the advertising agency.
- 3368 Advertising Copywriting. (2-2) Study of writing and producing advertising copy for print, broadcast and digital media. Emphasis on formative research, market and consumer analysis and the creative process. Prerequisites: Full-major status, MC 1313, 3367. (WI)
- 3372 Advertising Media Planning. (3-0) Study of planning and buying messages in traditional and new media to creatively and effectively reach targeted prospects. Attention is given to media characteristics, scheduling, testing and buying efficiencies. Prerequisites: Full major status, MC 1313, 3367.
- 3373 Broadcast Commercial and Promotion Writing. (2-2) Writing and producing radio scripts and television storyboards for commercial messages. Study will include audiences, programming, research and copytesting, and regulations. Spot announcements will be produced for class. Prerequisites: Full major status, MC 1313, 3367. (WI)
- 3374 Information Gathering and Analysis. (3-0) Study of techniques for locating, retrieving, assessing and verifying information from a multitude of sources to be used in mass communication. Interviewing, fact verification, use of libraries and computerized data bases, access to government proceedings and documents and interpreting statistics. Prerequisite: Full major status, MC 1313.
- 3375 Programming in Electronic Media. (3-0) Study of the principles and strategies of winning audiences for the electronic media: television radio, cable, satellite and the internet.

- 3379 Advertising and Public Relations Management. (3-0) Study of managerial problems in advertising and public relations programs. Case study approach to setting goals, developing strategy, budgeting and working in a client-agency relationship. Prerequisites: Full major status, MC 1313, 3343 or 3367.
- 3383 Editing for Clear Communication. (2-2) A course designed to help writers divorce themselves from the creative process and function as editors of their own work and the work of others, focusing on meaning, accuracy, logic, language, sense, organization, style, and form appropriate to audience and medium. Prerequisites: Full major status, MC 1313. (WI)
- 3390 Publication Design & Production. (2-2) Study of advanced editing principles, including design and production skills for print and online material. Students will edit both copy and graphics and design publications. Prerequisite: Full-major status.
- 3394 Management of Electronic Media. (3-0) The study of the management of electronic media, including sales, federal regulation, and responsibilities to society, community and stockholders. Prerequisite: Full major status.
- 4130 Internship. (0-5) Requires a minimum of 100 hours of off-campus experience, written contract with internship coordinator and portfolio of completed work. Students cannot gain more than three hours of credit for any combination of: MC 4130, 4230 and 4330. Prerequisites: 60 credit hours, full-major status, good academic standing and appropriate sequence coursework.
- 4230 Internship. (0-10) Requires a minimum of 150 hours of off-campus experience, written contract with internship coordinator and portfolio of completed work. Students cannot gain more than three hours of credit for any combination of: MC 4130, 4230 and 4330. Prerequisites: 60 credit hours, full-major status, good academic standing and appropriate sequence coursework.
- 4301 Media Law and Ethics. (3-0) A study of law governing print, advertising, electronic media and public relations. Prerequisites: Full major status, MC 1313.
- 4302 History of Mass Media. (3-0) Students will study the development of mass media, advertising and public relations in the United States from 1690 to the present.
- 4303 International Advertising. (3-0) Overview of international marketing and advertising; problems and opportunities of a global economy.
- 4304 Advertising Strategy and Execution-Portfolio. (2-2) Course emphasizes projects that allow students to learn how to produce and display professional portfolios to enhance their employment opportunities. Prerequisites: Full major status, MC 1313, 3367.
- 4305 Theories of Mass Communication. (3-0) A study of the predominant theories of communication, including mass media effects, functions and controls. Prerequisites: Full major status. (WI)
- 4306 Advertising Competition. (3-0) The course will focus on developing an integrated marketing communications campaign for a national client as part of the National Student Advertising Competition. Students will create a campaign from the developmental through the execution process. Prerequisite: Consent of instructor.
- 4307 Advertising Campaigns. (3-0) Development, coordination and evaluation of complete advertising campaigns for specific clients. Students will conduct market research, formulate objectives and strategies, recommend media plans and develop creative executions through plans books and presentations. Prerequisites: Full major status, MC 3368, 3372. (WI)
- 4308 Women and Minorities in the Media. (3-0) Analysis of the images of women and minorities in the media and their status as media professionals. Includes study of the alternative media. (MC)
- 4309 Visual Literacy: Film. (3-0) The course will teach how meaning is constructed in visual images by using film as a practical medium. It provides the necessary skills to critique and create effective images. It is especially useful for students majoring in image-based sequences of the mass communication major, particularly broadcasting and advertising.
- 4310 International Communication. (3-0) A study of media systems worldwide in different socioeconomic contexts and an examination of patterns of international communication flow.
- 4311 Independent Study: Advertising, Broadcasting, Print Journalism, Public Relations. (0-12) Students complete an academic project requiring the equivalent of 160 hours work. Requires prior written contract with faculty member and portfolio of completed work. Cannot be repeated. Graded on a credit (CR), no-credit (F) basis.
- 4312 Photojournalism. (2-2) Students will develop skills in camera operation, learn computer software applications, learn how to combine words with stories, and how to make layouts and designs for print and multimedia. Students will learn basic analog and digital camera operations, and how to process digital images for the Web and for printing.
- 4313 Writing for Public Relations. (2-2) An examination and application of the writing skills required in public relations. Competency is developed in writing news releases, feature articles, newsletters, advertising copy, magazine articles and brochure copy. Prerequisites: Full major status, MC 1313, 3343. (WI)
- 4315 Web Design Publishing. (2-2) Students will develop skills in web page construction including Web editing, image and graphic manipulation, animation, and audio and video editing. The course will cover the topics of design, content, and accessibility, as well as important social and ethical issues associated with online publishing. Prerequisite: Full-major status.
- 4316 Special Topics in Advertising. (3-0) Intensive look at special advertising topics. Repeatable for credit with different emphasis. Prerequisites: Full major status, MC 1313, 3367.
- 4316D Advertising Media Sales (3-0) An overview of advertising, media selling, and salesmanship, sales strategies, sales management, and case histories designed to acquaint students with a vital function of the business. Prerequisites: Full major status, MC 1313, 3367.
- 4316F Account Planning (3-0) Hands-on introduction to applied advertising research and account planning. Primary, survey and qualitative research methods are designed, executed and present by students for the purpose of integrating the consumer's perspective into creative strategy. Prerequisites: Full-major status, MC 1313, 3367.
- 4318 Media Ethics. (3-0) The study of freedom and responsibilities of the mass media practitioners and institutions, explored within the framework of ethical theories. Consideration of values, codes of ethics, moral development, professionalism

- and institutional constraints as applied to the media of information, persuasion and entertainment will be examined.
- 4319 **Latinas/Latinos and the Media.** (3-0) The course focuses on demographic developments related to Latinos in the US; their portrayals in the media; the effects those portrayals; the history and current status of selected Latino-oriented media and ancillary media companies and organizations; and the role of the media in Latino politics.
- 4320 **Public Relations Campaigns.** (3-0) A comprehensive study of effective public relations in a modern society. Students learn the professional approach to the practice of public relations that includes internet applications and how to evaluate its function and value while applying ethical standards of conduct. Prerequisites: Full major status, MC 4313. (WI)
- 4330 **Internship.** (0-15) Requires 180 hours of off-campus experience, written contract with internship coordinator and portfolio of completed work. Students cannot gain more than three hours of credit for any combination of: MC 4130, 4230 and 4330. Prerequisites: 60 credit hours, full-major status, good academic standing and appropriate sequence coursework.
- 4336 **Special Topics in Electronic Media.** (3-0) Intensive look at special topics in the electronic media. Repeatable for credit with different emphasis. Prerequisites: Full major status, MC 1313, 2319.
- 4336B **Documentaries.** (3-0) A course in reporting and production of comprehensive public affairs and feature stories for the electronic media. Prerequisite: MC 3312. (WI)
- 4356 **Special Topics in Reporting.** (3-0) Intensive look at special topics in reporting. Repeatable for credit with different emphasis. Prerequisites: Full major status, MC 1313.
- 4356A **Science Writing and Reporting.** (3-0) Students learn to interpret complex concepts and present accurate, engaging news and feature stories about the latest research. Prerequisites: Full major status, MC 1313.
- 4356B **Editorials, Columns, and Reviews.** (3-0) The study and writing of newspaper, magazine and online editorials, columns, and books, film and music reviews. Prerequisites: Full major status, MC 1313.
- 4356C **Community Affairs.** (2-2) A lecture-discussion course, dealing with the coverage of local economy and business, government and social services functions as well as political activities like elections and lobbying efforts. Prerequisites: Full major status, MC 1313.
- 4356D **Sports as News.** (2-2) Problems in print and radio-television media coverage of athletic events. Prerequisites: Full major status, MC 1313. (WI)
- 4356F **Feature Writing.** (2-2) A course designed to expose students to the art of feature writing through the study of acclaimed works of literary journalism. Students will develop a narrative voice of their own while studying and analyzing the techniques of a diverse group of writers. Prerequisites: Full major status, MC 1313. (WI)
- 4356G **Magazine Writing.** (2-2) This course introduces students to long form nonfiction writing for magazines. Crafting longer pieces requires a honed set of skills that includes deft interviewing and observation, an understanding of structure and pace and powers of discernment and nuance. Prerequisites: Full major status, MC 1313. (WI)
- 4356H **Multimedia Journalism.** (3-0) Students will be introduced to topics related to online journalism. Topics covered will include the online journalism profession, Web credibility, online reporting sources, cyberlaw including libel and copyright, blogging and podcasting, and basic multimedia design. Students will both critique and create online materials. Prerequisites: Full major status, MC 1313.
- 4356I **Visual Storytelling.** (3-0) This course is an introduction to basic elements of video journalistic storytelling for today's converged newsrooms. Students gather information using journalism practices, such as in-person interviews, and learn to use video newsgathering technologies to produce stories for online and other digital platforms. Prerequisite: Full major status.
- 4376 **Special Topics in Public Relations.** (3-0) Intensive look at special topics in public relations. Repeatable for credit with different emphasis. Prerequisites: Full major status, MC 1313. MC 3343.
- 4376C **Public Relations Case Studies.** (3-0) Public Relations Case Studies will seek, with case studies and problems, to help future practitioners develop agility in the principles and the application of effective two-way communications in a wide variety of situations likely to confront them and their employers. Prerequisites: Full major status, MC 1313, MC 3343.
- 4376D **Public Relations Writing & Design.** (2-2) Students will gain a broad understanding of the wide range of print publications and writing assignments found in public relations. They will learn how to research, organize, write and design a variety of print pieces for targeted audiences using a popular design and layout program. Prerequisites: Full major status, MC 1313, MC 3343. (WI)
- 4382 **Special Topics in Mass Communication.** (3-0) Intensive look at special topics in Mass Communication.
- 4382L **Feature Writing and Freelancing.** (3-0) This course is designed to introduce students to the technical expertise, research methods, interviewing skills and narrative techniques pertinent to feature writing. The course also explores how to target a feature story to a specific audience and how to submit feature stories for publication to newspapers and magazines.
- 4382M **Introduction to Multimedia.** (3-0) The course will cover the effects of the internet and related technologies on the fields of journalism, advertising, and public relations. Topics covered will include online journalism, interactive advertising and public relations, search engines, digital divide, cyberlaw, online education, and social networking.
- 4382N **Seminar in American Journalism: National Writers Workshop.** (3-0) This is a seminar in current issues in American journalism. National Writers Workshops bring together journalists to discuss issues in the industry and offer sessions on many media topics. Prior to the NWW we will study the literary form used by presenters and the issues being presented at the workshop.
- 4382O **Travel Journalism.** (3-0) Exploration of techniques of writing journalistic travel narratives for the media. The course may involve travel at the student's own expense.
- 4382P **Health Communication Campaigns.** (3-0) Provides an overview of the theory and practice of designing, producing and evaluating health-communication campaigns. Examines persuasive approaches to behavioral change; audience,

message and channel factors in campaign development. Emphasizes communication approaches, including mass media, social marketing and “new media”. Prerequisite: Upper division standing.

performance/teaching potential as determined by audition; and/or

3. academic standing as represented by GPA and other appropriate indicators.

School of Music

Music Building 101

T: 512.245.2651 F: 512.245.8181

www.music.txstate.edu

DEGREE PROGRAMS OFFERED

BM, major in Music Studies (with All-Level Teacher Certification)

BM, major in Performance

BM, major in Jazz Studies

BS, major in Sound Recording Technology

BA, major in Music

MINOR OFFERED

Music

Mission Statement

The School of Music is committed to excellence in music teaching and learning for all students at Texas State. As a unit within Texas State, we provide a liberal education with emphasis on cultural values by offering special course work in the arts and humanities.

The School of Music offers thorough preparation for careers in music, music education and sound recording. In addition, it provides opportunities for all university students to develop musical skills and cultural understanding. The School also serves as an outstanding cultural resource for the university and San Marcos communities.

Music graduates with teacher certification work as band directors, choir directors, orchestra directors, or general music teachers. Music Performance and Jazz Studies graduates perform, establish their own teaching studios, attend graduate school, or use their music degree as a foundation for their careers. Sound recording graduates work as sound recording engineers, producers, and technicians in the recording and entertainment industries. Bachelor of Arts graduates work in arts administration, musicology, librarianship, music therapy, and other music-related fields such as law, management, and sales. The choices of profession for a student completing a Bachelor of Arts or a Bachelor of Music are numerous.

Courses Offered

Courses are offered in individual and ensemble performance, music education, history, literature, theory, composition, jazz, and sound recording. All university students, both music majors and non-music majors, are encouraged to participate in performing ensembles. However, due to the limited availability of private applied music instruction, as well as certain other music classes, the School may use the following criteria for determining students' access to music instruction:

1. studio/class space availability;
2. student's overall musical talent, musical achievement, and

Admission Requirements

Students wanting to enter the music program as a music major must audition the semester before their desired entrance. Students interested in sound recording technology must complete an additional application and interview.

Freshman and Transfer Admission

Admission to the School of Music is contingent upon admission to Texas State. In addition to meeting University admission criteria, students intending to major in music must audition on their principal instrument or voice. Admission to the School will be based upon the audition and the available space in each studio. Moreover, a successful audition does not automatically ensure acceptance to Texas State. Prospective music majors will not be permitted to enroll in applied music and other music major classes until they have passed the audition.

Auditions are held periodically throughout the year for enrollment the following academic year. Those prospective music students unable to audition in person due to geographic distance from campus may submit an audio or video recording representative of their performing abilities. Deadline for recorded audition is March 1 (Fall admission) or November 1 (Spring admission). Audition requirements are available upon request and on the School of Music website.

School Policies

Those planning careers in music must have a high level of musical skill and understanding. To help evaluate musical skills for counseling and placement purposes, the School of Music requires all music majors to pass several evaluations.

Music Theory Proficiency

All music majors must pass the theory proficiency examination before applying for graduation. A passing score is also a prerequisite for advanced theory coursework. Theory proficiency requirements are available on the School's website.

Piano Proficiency

All music majors must pass a piano proficiency examination. Students seeking teacher certification must do so no later than the semester before student teaching. All other students must pass their piano proficiency before graduating. Piano Proficiency requirements are available on the School's website.

Upper-Level Competency Review

The upper-level competency review helps music majors select and pursue the most suitable career. On completion of four long semesters as a music major, the student's total record is reviewed by the music faculty. This review is completed before the student enrolls for 3000-level courses in the degree area. The upper-level competency review is offered at the end of each long semester. Specific information and requirements are available in The Music Student Handbook.

Transfer students with four or more semesters of music study should complete the exam at the end of the first long semester of study at Texas State.

Senior Recital

A senior recital is required for all undergraduate degree programs except Sound Recording Technology and the Bachelor of Arts. Students seeking teacher certification must present the recital the semester before student teaching. Specific requirements for the senior recital are described in The Music Student Handbook.

Recital Attendance Requirements

Each semester, various recitals and concerts are presented by students, faculty, and visiting artists. All undergraduate music majors are required to attend a significant number of these events each semester, through enrollment in Departmental Recital. In addition, applied music teachers may require attendance at all recitals in the individual performance area of each student.

Grade Requirements

Students majoring in the School of Music must achieve a grade of "C" or higher (including a CR in Departmental Recital) on all required music (MU, MUSE and MUSP) courses.

Student Teaching Requirements

Before being allowed to enroll for student teaching, music students must have: (1) completed all major coursework for the degree with a "C" or higher; (2) presented a senior recital; (3) passed the piano and theory proficiency examinations; and (4) fulfilled the requirements for teacher certification as determined by the College of Education.

Ensemble Requirements

All music majors (except SRT and BA majors) must participate in the appropriate major ensemble each semester. The Music Student Handbook describes ensemble requirements for each degree program. Only one major and one secondary ensemble will be counted toward the degree per semester.

Specializations

The School of Music offers specializations in jazz and mariachi music. These specializations require courses beyond the basic degrees. Requirements for these specialization programs are described in The Music Student Handbook.

Music Fees

(In addition to registration fees). This is a partial listing. Please consult the schedule of classes for other fees.

- Instrument rental fee—\$30 per semester
- Recital program, typing & printing—\$10
- Recital recording—\$15

NOTE: Students enrolled in private voice lessons or instrumentalists preparing for recital performances are responsible for the cost of providing their own accompanist for lessons, rehearsals, and recitals.

Bachelor of Music

Major in Music Studies (with All-Level Teacher Certification)

Minimum required: 132 or 134 semester hours (depending on emphasis)

General Requirements:

1. General education core curriculum components must be completed. These requirements can be found in the University College section of the catalog.
2. The Physical Fitness and Wellness (PFW) requirements in the core curriculum can be met with enrollment in MUSE 3120 – Marching Band.

A. Music Core Requirements (28 hours)

Departmental Recital (MU 1000-3000) - six semesters

Introduction to Music Technology (MU 1150)

Aural Learning I-IV (MU 1210, MU 1212, MU 2260, MU 2262)

Music Theory I-IV (MU 1211, MU 1213, MU 2261, MU 2263)

Survey of Music Literature (MU 2303)

History and Analysis of Music (MU 3315, MU 3316)

Fundamentals of Conducting (MU 3207)

B. Performance Requirements (21 - 23 hours)

Applied Lessons (MUSP, two semester credit hours each) – seven semesters

Major Ensemble (MUSE) – seven semesters, see Music Student Handbook for requirements.

Secondary Ensemble (MUSE) – two semesters (Instrumental Emphasis Only)
MU 4050 (Senior Recital)

C. Specialization Requirements

(NOTE: Students whose principal instrument is piano or guitar must elect either the Instrumental Emphasis or the Choral Emphasis)

Instrumental Emphasis (24 hours):

Foundations of Music (MU 2123)

Instrumental Conducting (MU 3217)

Survey of Ensemble Performance Literature (MU 3241)

Performance Ensemble Techniques (MU 3253)

Current Trends in Music I (MU 3340)

Arranging Techniques for School Music Ensembles (MU 4234)

String Techniques (MUSP 3165)

Percussion Techniques (MUSP 3175)

Woodwind Techniques (MUSP 3145, 3147)

Brass Techniques (MUSP 3155, 3157)

Secondary Instrument (MUSP 1135, 1136)

General Performance Techniques (MUSP 3195, twice)

Choose 2 hours from:

Strings:

String Pedagogy (MU 4255)

Current Trends in Music II (MU 3269)

Woodwind/Brass/Percussion:

Marching Band Techniques (MU 3263)

Current Trends in Music II (MU 3269)

Choral Emphasis (22 hours):

Foundations of Music (MU 2123)

Fundamentals of Diction in Singing (MU 2141, MU 2142)

World Musics (MU 3318)

Secondary Instrument (MUSP 1135, 1136, 1137, 1138)

Choral Conducting (MU 3227)

Survey of Ensemble Performance Literature (MU 3241)

Performance Ensemble Techniques (MU 3253)

Current Trends in Music I (MU 3340)

General Performance Techniques (MUSP 3195)

Choose ONE from:

Current Trends in Music II (MU 3269)

Topics in Performance Pedagogy (MU 4255)

D. Teacher Certification (15 hours)

Instructional Technologies for the Secondary Teacher (CI 4343)

Classroom Management, Ethics and Legal Issues (CI 4370)

Teaching Reading in the Content Areas (RDG 3323)

Directed Student Teaching (EDST 4380, 4381)

E. Special Degree Requirements

Theory Proficiency Examination

Piano Proficiency Examination (Instrumental Emphasis: Level II; Choral Emphasis:

Level IV)

Upper Level Competency Review

Instrumental Emphasis							
Minimum required: 134 semester hours							
Freshman Year - Fall Semester		Freshman Year - Spring Semester		Sophomore Year - Fall Semester		Sophomore Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 1000	0	MU 1000	0	MU 2000	0	MU 2000	0
MU 1210	2	MU 1212	2	MU 2260	2	MU 2262	2
MU 1211	2	MU 1213	2	MU 2261	2	MU 2263	2
MUSP 12xx	2	MUSP 12xx	2	MUSP 22xx	2	MUSP 22xx	2
MUSE 3120 (PFW credit) or MUSE 3150	1	MUSE 31xx (Wind Band) or MUSE 3150	1	MUSE 3120 (PFW credit) or MUSE 3150	1	MUSE 31xx (Wind Band) or MUSE 3150	1
MU 1150	1	MUSP 1136	1	MU 2303	1	MUSE 31xx (secondary ensemble)	1
MUSP 1135	1	MU 2123	1	MUSP 3195 (Vocal Techniques)	2	MUSP 3195 (Jazz & Multicultural)	2
US 1100 (music education section)	1	ENG 1320	3	MUSP 3165 or MUSP 3175	1	MUSP 3165 or MUSP 3175	1
ENG 1310	3	POSI 2320	3	HIST 1310	1	MU/ART/TH/DAN 2313	1
POSI 2310	3	Social Science Component	3	COMM 1310	3	HIST 1320	3
MATH 1315	3				3		3
Total	19	Total	18	Total	18	Total	18

Junior Year - Fall Semester		Junior Year - Spring Semester		Senior Year - Fall Semester		Senior Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 3000	0	MU 3000	0	MUSP 42xx	2	EDST 4380, 4381	6
MUSP 32xx	2	MUSP 32xx	2	MU 4050	0		
MUSE 3120 (major ensemble) or MUSE 3150	1	MUSE 31xx (Wind Band) or MUSE 3150	3	MU 4234	2		
MUSE 31xx (secondary ensemble)	1	MU 3316	2	MU 3263 (or MU 3269 in previous semester)	0-2		
MU 3315	3	MU 3217	2	MUSE 31xx (Wind Band) or MUSE 3150	1		
MU 3207	2	MU 3253	1	CI 4343	3		
MU 3340	3	MUSP 3147	1	CI 4370	3		
MUSP 3145	1	MUSP 3157	1	RDG 3323	3		
MUSP 3155	1	MU 3269 (Elementary Methods II) or MU 3263 (Fall only)	0-2	ENG Literature	3		
Natural Science Component	4	PHIL 1350	3				
		Natural Science Component					
Total	18	Total	18-20	Total	17-19	Total	6

Choral Emphasis Minimum required: 132 semester hours							
Freshman Year - Fall Semester		Freshman Year - Spring Semester		Sophomore Year - Fall Semester		Sophomore Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 1000	0	MU 1000	0	MU 2000	0	MU 2000	0
MU 1210	2	MU 1212	2	MU 2260	2	MU 2262	2
MU 1211	2	MU 1213	2	MU 2261	2	MU 2263	2
MUSP 1220	2	MUSP 1220	2	MUSP 2220	2	MUSP 2220	2
MUSE 31xx	1	MUSE 31xx	1	MUSE 31xx	1	MUSE 31xx	1
MU 1150	1	MUSP 1136	1	MU 2303	3	MU 3318	3
MUSP 1135	1	MU 2123	1	MUSP 3195 (Instrumental Techniques)	1	MUSP 1138	1
US 1100 (music education section)	1	ENG 1320	3	MUSP 1137	1	MU 2142	1
ENG 1310	3	POSI 2320	3	MU 2141	1	MU/ART/TH/DAN 2313	3
POSI 2310	3	Social Science Component	3	HIST 1310	3	HIST 1320	3
MATH 1315	3			COMM 1310	3		
Total	19	Total	18	Total	19	Total	18

Junior Year - Fall Semester		Junior Year - Spring Semester		Senior Year - Fall Semester		Senior Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 3000	0	MU 3000	0	MUSP 4220	2	EDST 4380, 4381	6
MUSP 3220	2	MUSP 3220	2	MUSE 31xx	1		
MUSE 31xx	1	MUSE 31xx	1	MU 4050	0		
MU 3315	3	MU 3316	3	CI 4343	3		
MU 3207	2	MU 3227	2	CI 4370	3		
MU 3340	3	MU 3241	2	RDG 3323	3		
MU 3253	2	MU 3269 or MUSE 4255A	2	ENG Literature	3		
Natural Science Component	4	Natural Science Component	3				
PFW	1	PHIL 1305	3				
		PFW	1				
Total	18	Total	19	Total	15	Total	6

Bachelor of Music
Major in Performance
Minimum required: 123, 124, 125 or 128
semester hours (depending on emphasis)

General Requirements:

1. General education core curriculum components must be completed. These requirements can be found in the University College section of the catalog.

A. Music Core Requirements (32 hours)

Departmental Recital (MU 1000-3000) - six semesters

Introduction to Music Technology (MU 1150)

Aural Learning I-IV (MU 1210, MU 1212, MU 2260, MU 2262)

Music Theory I-IV (MU 1211, MU 1213, MU 2261, MU 2263)

Writing About Music (MU 2104)

Survey of Music Literature (MU 2303)

History and Analysis of Music (MU 3315, MU 3316)

World Musics (MU 3318)

Fundamentals of Conducting (MU 3207)

B. Performance Area Requirements (33 hours)

Applied Lessons

(MUSP, 2 credit hours for 4 semesters, 3 credit hours for 4 semesters)

Secondary Instrument (MUSP 1135, 1136, 1137, 1138, or 4 credit hours of MUSP)

Major Ensemble (MUSE) – eight semesters, see Music Student Handbook for requirements

Junior Recital (MU 3050)

Senior Recital (MU 4050)

Senior Research Project (MU 4185)

C. Additional Requirements for Each Performance Medium

Vocal Performance (17 hours):

Opera Workshop (MUSE 3106) – two semesters

Fundamentals of Diction in Singing (MU 2141, MU 2142)

Topics in Performance Pedagogy (MU 4255)

Topics in Performance Literature (MU 4256) – two semesters/topics

Advanced Music Theory (MU 4330, 4332, 4334, or 4336) – select one

Additional language: Beginning French, German or Italian I (FR, GER, or ITAL 1410)

Foreign language proficiency in French, German, or Italian

[Note: Proof of proficiency of beginner level II determined by Texas State Department of Modern Languages]

Keyboard Performance (12 hours):

Topics in Performance Pedagogy (MU 4255)

Topics in Performance Literature (MU 4256) – two semesters/topics

Advanced Music Theory (MU 4330, 4332, 4334, or 4336) – select any two

Instrumental Performance (14 hours):

Chamber Music (MUSE 3126) – 4 semesters

Topics in Performance Pedagogy (MU 4255)

Topics in Performance Literature (MU 4256)

Advanced Music Theory (MU 4330, 4332, 4334, 4336) – select any two

Guitar Performance (13 hours):

Topics in Performance Pedagogy (MU 4255B)

Topics in Performance Literature (MU 4256B)

Advanced Music Theory (MU 4330, 4332, 4334, 4336) – select any two

Music Electives (3 hours from: MU, MUSE, or MUSP)

D. Special Degree Requirements

Theory Proficiency Examination

Piano Proficiency Examination (Level IV)

Vocal							
Minimum required: 128 semester hours							
Freshman Year - Fall Semester		Freshman Year - Spring Semester		Sophomore Year - Fall Semester		Sophomore Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 1000	0	MU 1000	0	MU 2000	0	MU 2000	0
MU 1210	2	MU 1212	2	MU 2260	2	MU 2262	2
MU 1211	2	MU 1213	2	MU 2261	2	MU 2263	2
MUSP 1220	2	MUSP 1220	2	MUSP 2220	2	MUSP 2220	2
MUSE 31xx	1	MUSE 31xx	1	MUSE 31xx	1	MUSE 31xx	1
MU 1150	1	MUSP 1136	1	MUSE 3106	1	MUSE 3106	1
MUSP 1135	1	ENG 1320	3	MU 2303	3	MU 3318	3
US 1100	1	FR, GER, ITAL 1410	4	MU 2104	1	MUSP 1138	1
ENG 1310	3	COMM 1310	3	MUSP 1137	1	MU 2142	1
Mathematics Component	3			MU 2141	1	HIST 1320	3
				HIST 1310	3		
Total	16	Total	18	Total	17	Total	16

Junior Year - Fall Semester		Junior Year - Spring Semester		Senior Year - Fall Semester		Senior Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 3000	0	MU 3000	0	MUSP 4320	3	MUSP 4320	3
MUSP 3320	3	MUSP 3320	3	MUSE 31xx	1	MUSE 31xx	1
MUSE 31xx	1	MUSE 31xx	1	MU 4255A	2	MU 4050	0
MU 3315	3	MU 3050	0	MU 4256A	2	MU 4185	1
MU 3207	2	MU 3316	3	ENG Literature	3	MU 4256A	2
Natural Science Component	4	MU 4330, 4332, 4334, 4336	3	Social Science Component	3	PHIL 1305 or 1320	3
POSI 2310	3	Natural Science Component	3	PFW	1	MU/ART/TH/DAN 2313	3
		POSI 2320	3			PFW	1
Total	16	Total	16	Total	15	Total	14

Keyboard Minimum required: 123 semester hours							
Freshman Year - Fall Semester		Freshman Year - Spring Semester		Sophomore Year - Fall Semester		Sophomore Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 1000	0	MU 1000	0	MU 2000	0	MU 2000	0
MU 1210	2	MU 1212	2	MU 2260	2	MU 2262	2
MU 1211	2	MU 1213	2	MU 2261	2	MU 2263	2
MUSP 1230	2	MUSP 1230	2	MUSP 2230	2	MUSP 2230	2
MUSE 31xx	1	MUSE 31xx	1	MUSE 3170	1	MUSE 3170	1
MU 1150	1	MUSP 11xx (secondary instrument)	1	MU 2303	3	MU 3318	3
MUSP 11xx (secondary instrument)	1	ENG 1320	3	MU 2104	1	MUSP 11xx (secondary instrument)	1
US 1100	1	COMM 1310	3	MUSP 11xx (secondary instrument)	1	HIST 1320	3
ENG 1310	3	PFW	1	HIST 1310	3	PFW	1
Mathematics Component	3						
Total	16	Total	15	Total	15	Total	15

Junior Year - Fall Semester		Junior Year - Spring Semester		Senior Year - Fall Semester		Senior Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 3000	0	MU 3000	0	MUSP 4330	3	MUSP 4330	3
MUSP 3330	3	MUSP 3330	3	MUSE 3170	1	MUSE 3170	1
MUSE 3170	1	MUSE 3170	1	MU 4255	2	MU 4050	0
MU 3315	3	MU 3050	0	MU 4256	2	MU 4185	1
MU 3207	2	MU 3316	3	MU 4330, 4332, 4334, 4336	3	MU 4256	2
Natural Science Component	4	MU 4330, 4332, 4334, 4336	3	ENG Literature	3	PHIL 1305 or 1320	3
POSI 2310	3	Natural Science Component	3	Social Science Component	3	MU/ART/TH/DAN 2313	3
		POSI 2320	3				
Total	16	Total	16	Total	17	Total	13

Instrumental Minimum required: 125 semester hours							
Freshman Year - Fall Semester		Freshman Year - Spring Semester		Sophomore Year - Fall Semester		Sophomore Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 1000	0	MU 1000	0	MU 2000	0	MU 2000	0
MU 1210	2	MU 1212	2	MU 2260	2	MU 2262	2
MU 1211	2	MU 1213	2	MU 2261	2	MU 2263	2
MUSP 12xx	2	MUSP 12xx	2	MUSP 22xx	2	MUSP 22xx	2
MUSE 31xx (Wind Band) or MUSE 3150	1	MUSE 31xx (Wind Band) or MUSE 3150	1	MUSE (Wind Band) or MUSE 3150	1	MUSE 31xx (Wind Band) or MUSE 3150	1
MU 1150	1	MUSP 1136	1	MU 2303	3	MUSE 31xx (secondary ensemble)	1
MUSP 1135	1	ENG 1320	3	MU 2104	1	MU 3318	3
US 1100	1	PHIL 1305	3	MUSP 1137	1	MUSP 1138	1
ENG 1310	3	HIST 1310	3	MUSE 31xx (secondary ensemble)	1	HIST 1320	3
Mathematics Component	3			COMM 1310	3		
Total	16	Total	17	Total	16	Total	15

Junior Year - Fall Semester		Junior Year - Spring Semester		Senior Year - Fall Semester		Senior Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 3000	0	MU 3000	0	MUSP 43xx	3	MUSP 43xx	3
MUSP 33xx	3	MUSP 33xx	3	MUSE 31xx	1	MUSE 31xx	1
MUSE 31xx	1	MUSE 31xx	1	MU 4255	2	MU 4050	0
MUSE 31xx (secondary ensemble)	1	MUSE 31xx (secondary ensemble)	1	MU 4256	2	MU 4185	1
MU 3315	3	MU 3050	0	MU 4330, 4332, 4334, 4336	3	MU/ART/TH/DAN 2313	3
MU 3207	2	MU 3316	3	ENG Literature	3	Social Science Component	3
Natural Science Component	4	MU 4330, 4332, 4334, 4336	3	PFW	1	PFW	1
POSI 2310	3	Natural Science Component	3				
		POSI 2320	3				
Total	17	Total	17	Total	15	Total	12

Guitar Minimum required: 124 semester hours							
Freshman Year - Fall Semester		Freshman Year - Spring Semester		Sophomore Year - Fall Semester		Sophomore Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 1000	0	MU 1000	0	MU 2000	0	MU 2000	0
MU 1210	2	MU 1212	2	MU 2260	2	MU 2262	2
MU 1211	2	MU 1213	2	MU 2261	2	MU 2263	2
MUSP 1260	2	MUSP 1260	2	MUSP 2260	2	MUSP 2260	2
MUSE 3190	1	MUSE 3190	1	MUSE 3190	1	MUSE 3190	1
MU 1150	1	MUSP 1136	1	MU 2303	3	MU 3318	3
MUSP 1135	1	ENG 1320	3	MU 2104	1	MUSP 1138	1
US 1100	1	COMM 1310	3	MUSP 1137	1	HIST 1320	3
ENG 1310	3	PFW	1	HIST 1310	3	PFW	1
Mathematics Component	3						
Total	16	Total	15	Total	15	Total	15

Junior Year - Fall Semester		Junior Year - Spring Semester		Senior Year - Fall Semester		Senior Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 3000	0	MU 3000	0	MUSP 4360	3	MUSP 4360	3
MUSP 3360	3	MUSP 3360	3	MUSE 31xx	1	MUSE 31xx	1
MUSE 3190	1	MUSE 3190	1	MU 4255B	2	MU 4050	0
MU 3315	3	MU 3050	0	MU 4256B	2	MU 4185	1
MU 3207	2	MU 3316	3	MU 4330, 4332, 4334, 4336	3	3 hours ADV MU elective	3
Natural Science Component	4	MU 4330, 4332, 4334, 4336	3	ENG Literature	3	PHIL 1305 or 1320	3
POSI 2310	3	Natural Science Component	3	Social Science Component	3	MU/ART/TH/DAN 2313	3
		POSI 2320	3				
Total	16	Total	16	Total	17	Total	14

**Bachelor of Music
Major in Jazz Studies**
Minimum required: 126 semester hours

General Requirements:

- General education core curriculum components must be completed. These requirements can be found in the University College section of the catalog.

A. Music Core Requirements (25 hours)

Departmental Recital (MU 1000-3000) - six semesters

Aural Learning I-IV (MU 1210, MU 1212, MU 2260, MU 2262)

Music Theory I-IV (MU 1211, MU 1213, MU 2261, MU 2263)

Introduction to Music Technology (MU 1150)

Survey of Music Literature (MU 2303)

History and Analysis of Music II (MU 3316)

Fundamentals of Conducting (MU 3207)

B. Performance Area Requirements (33 hours)

Applied Lessons (MUSP, two credit hours each) - eight semesters

Secondary Instrument (MUSP 1135, 1136 or two credit hours from MUSP)

Major Jazz Ensemble (MUSE, one semester credit hour each) - six semesters

Non-Jazz Major Ensemble (MUSE, one semester credit hour) - two semesters

Chamber Ensemble (MUSE 3126) - two semesters

Jazz Combo (MUSE 3127) - four semesters

Junior Recital (MU 3050)

Senior Recital (MU 4050)

Senior Research Project (MU 4185)

C. Jazz Studies Requirements (22 hours)

Jazz Piano Techniques (MUSP 3131, 3132)

History of Jazz (MU 3375)

Business in Music (MU 4354)

Jazz Pedagogy (MU 4343)

Jazz Theory and Arranging (MU 4344, MU 4346)

Jazz Improvisation I and II (MU 3333, MU 3234)

D. Special Degree Requirements

Theory Proficiency Examination

Freshman Year - Fall Semester		Freshman Year - Spring Semester		Sophomore Year - Fall Semester		Sophomore Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 1000	0	MU 1000	0	MU 2000	0	MU 2000	0
MU 1210	2	MU 1212	2	MU 2260	2	MU 2262	2
MU 1211	2	MU 1213	2	MU 2261	2	MU 2263	2
MUSP 12xx	2	MUSP 12xx	2	MUSP 22xx	2	MUSP 22xx	2
MUSE 31xx (non-Jazz major ensemble)	1	MUSE 31xx (non-Jazz major ensemble)	1	MUSE 31xx (Jazz major ensemble)	1	MUSE 31xx (Jazz major ensemble)	1
MU 1150	1	MUSP 1136 (or MUSP 11xx)	1	MUSE 31xx (secondary ensemble)	1	MUSE 31xx (secondary ensemble)	1
MUSP 1135 (or MUSP 11xx)	1	ENG 1320	3	MU 2303	3	HIST 1320	3
US 1100	1	PHIL 1305 or 1320	3	HIST 1310	3	Natural Science Component	4
ENG 1310	3	MU/ART/TH/DAN 2313	1	COMM 1310	3		
Mathematics Component	3						
Total	16	Total	15	Total	17	Total	15

Junior Year - Fall Semester		Junior Year - Spring Semester		Senior Year - Summer I Semester		Senior Year - Fall Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 3000	0	MU 3000	0	MU 4343	3	MUSP 42xx	3
MUSP 32xx	3	MUSP 32xx	3			MUSE 31xx (Jazz major ensemble)	1
MUSE 31xx (Jazz major ensemble)	1	MUSE (Jazz major ensemble)	1			MUSE 3127	1
MUSE 3127	1	MUSE 3127	1			MU 4354	3
MU 3207	2	MU 3050	0			MU 4344	3
MU 3333	3	MU 3316	3			ENG Literature	3
MU 3375	3	MU 3234	2			PFW	1
MUSP 3131	1	MUSP 3132	1				
POSI 2310	3	Natural Science Component	3				
		POSI 2320	3				
Total	16	Total	16	Total	3	Total	14

Senior Year - Spring Semester	
Course	Hr
MUSP 42xx	3
MUSE 31xx (Jazz major ensemble)	1
MUSE 3127	1
MU 4050	0
MU 4185	1
MU 4346	3
Social Science Component	3
PFW	1
Total	12

Piano Proficiency Examination (Level II)
Upper Level Competency Review

**Bachelor of Science
Major in Sound Recording Technology
Minimum required: 122 semester hours**

General Requirements:

1. General education core curriculum components must be completed. These requirements can be found in the University College section of the catalog.

Specific General Education Core Curriculum Requirements (15 hours)

Pre-Calculus (MATH 2417)

General Physics I & II (PHYS 1410, 1420)

Intro to Fine Arts (MU 2313)

A. Music Core Requirements (29 hours)

Aural Learning I-III (MU 1210, MU 1212, MU 2260)

Music Theory I-III (MU 1211, MU 1213, MU 2261)

Survey of Music Literature (MU 2303)

Piano Techniques I & II (MUSP 1135, MUSP 1136)

MUSP Applied Lessons (two hours each) – four semesters

MUSE Music Ensemble (one hour each) – four semesters

B. Sound Recording Technology Requirements (30 hours)

Recording Practicum I-VIII (MU 1180, 1182, 2180, 2182, 3180, 3182, 4180, 4182)

Recording Industry Operations I and II (MU 3381, MU 3382)

Audio Technology: Microphones and Mixing Techniques (MU 3383)

Audio Recording Techniques (MU 3384)

Advanced Audio Recording Techniques (MU 4385)

Internship (MU 4386)

MIDI I-IV (MUSP 2191, 2192, 3191, 3192)

C. Support Courses and Minor in Technology courses (15 hours)

Musical Acoustics (PHYS 3301)

Electricity/Electronics Fundamentals (TECH 2370)

Audio Frequency Communications (TECH 3370)

Electronic Instrumentation (TECH 4372)

Digital Electronics (TECH 4374)

D. Special Degree Requirements

Upper Level Competency Review

Senior Portfolio

Freshman Year - Fall Semester		Freshman Year - Spring Semester		Sophomore Year - Fall Semester		Sophomore Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 1210	2	MU 1212	2	MU 2260	2	MU 2182	1
MU 1211	2	MU 1213	2	MU 2261	2	MUSP 22xx	2
MUSP 12xx	2	MUSP 12xx	2	MU 2180	1	MUSE 31xx	1
MUSE 31xx	1	MUSE 31xx	1	MUSP 22xx	2	MU 3382	3
MUSP 1135	1	MUSP 1136	1	MUSE 31xx	1	MU 2303	3
MU 1180	1	MU 1182	1	MU 3381	3	MUSP 2192	1
US 1100	1	ENG 1310	3	MUSP 2191	1	ENG 1320	3
PHYS 1410	4	PHYS 1420	4	TECH 2370	3	COMM 1310	3
MATH 2417	4	PFW	1	PFW	1		
Total	18	Total	17	Total	16	Total	17

Junior Year - Fall Semester		Junior Year - Spring Semester		Senior Year - Fall Semester		Senior Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 3383	3	MU 3384	3	MU 4180	1	MU 4386	3
MU 3180	1	MU 3182	1	MU 4385	3		
MUSP 3191	1	MU 4182	1	TECH 4374	3		
MU 2313	3	MUSP 3192	1	ENG Literature	3		
TECH 4372	3	TECH 3370	3	PHIL 1305 or 1320	3		
HIST 1310	3	POSI 2320	3	Social Science Component	3		
POSI 2310	3	HIST 1320	3				
		PHYS 3301	3				
Total	17	Total	18	Total	16	Total	3

**Bachelor of Arts
Major in Music**
Minimum required: 123 semester hours

General Requirements:

1. The Bachelor of Arts degree requires English literature, college-level modern language and a semester of Math, Natural Science, Logic, or Computer Science in addition to the general education core curriculum.
2. Electives hours can be used to complete the 123 hour and/or 36 advanced hour minimum requirements.
3. General education core curriculum components must be completed. These requirements can be found in the University College section of the catalog.
4. The Physical Fitness and Wellness (PFW) requirements in the core curriculum can be met with enrollment in MUSE 3120 – Marching Band.

A. Music Core Requirements (45 hours)

Departmental Recital (MU 1000-4000) – six semesters

Aural Learning I-IV (MU 1210, MU 1212, MU 2260, 2262)

Music Theory I-IV (MU 1211, MU 1213, MU 2261, MU 2263)

Survey of Music Literature (MU 2303)

History and Analysis of Music I and II (MU 3315, MU 3316)

MUSP Applied Lessons (two semester credit hours each) – four semesters

Secondary Instrument (MUSP 1135, 1136)

MUSE Music Ensemble (one semester credit hour each) – four semesters

Music Elective (six semester credit hours at 3000 level or higher)

B. Additional Bachelor of Arts Requirements (12 hours)

Modern Language (must be at the 2310 and 2320 levels) - two semesters

English Literature (three semester credit hours)

Math, Natural Science, Logic, or Computer Science (three semester credit hours)

C. Requirements for the Minor and Electives (20 hours)

Courses for the minor (number of hours varies)

Advanced non-music electives (hours vary)

D. Special Degree Requirement

Upper Level Competency Review

Piano Proficiency (Level II)

Freshman Year - Fall Semester		Freshman Year - Spring Semester		Sophomore Year - Fall Semester		Sophomore Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 1000	0	MU 1000	0	MU 2000	0	MU 2000	0
MU 1210	2	MU 1212	2	MU 2260	2	MU 2262	2
MU 1211	2	MU 1213	2	MU 2261	2	MU 2263	2
MUSP 12xx	2	MUSP 12xx	2	MU 2303	3	MUSP 22xx	2
MUSE	1	MUSE	1	MUSP 22xx	2	MUSE	1
MUSP 1135	1	MUSP 1136	1	MUSE	1	POSI 2310	3
US 1100	1	ENG 1320	3	HIST 1320	3	COMM 1310	3
ENG 1310	3	HIST 1310	3	Minor	3	Minor	3
Mathematic Component	3	PFW	1				
Total	15	Total	15	Total	16	Total	16

Junior Year - Fall Semester		Junior Year - Spring Semester		Senior Year - Fall Semester		Senior Year - Spring Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MU 3000	0	MU 3000	0	ENG Literature	3	Advanced Music Elective	3
MU 3315	3	Advanced Music elective	3	Math/Science/Logic	3	MU/ART/TH/DAN 2313	3
Modern Language 2310	3	Modern Language 2320	3	PHIL 1305 or 1320	3	Minor	3
Natural Science Component	4	MU 3316	3	Minor	6	Social Science Component	3
POSI 2320	3	Natural Science Component	3			ENG Literature	3
Minor	3	Minor	3				
Total	16	Total	15	Total	15	Total	15

Minor in Music

A minor in Music requires 18 hours, including:

Lecture – 9 hours

MU 1312

MU 2303

3 hours from: MU 3308, 3315, 3316, 3318, or 3375

Performance – 6 hours from the following:

Any MUSP course

Any MUSE course

MU 3310, 4310, or 4312

Elective

3 hours of advanced (3000 or 4000 level) music electives

Courses in Music (MU)

- 1000 Departmental Recital (0-0) Performance, attendance, and weekly observation of recitals. Concurrent enrollment with applied lessons required for all music majors. Corequisites: Concurrent enrollment with applied lessons and major ensemble required for all music majors.
- 1112 Basic Musicianship. (1-2) A study of music fundamentals: reading rhythms, pitches in bass and treble clefs, spelling, notating, and identifying key signatures, intervals and chords. Prerequisite: Music major status.
- 1150 Introduction to Music Technology (1-0) Introduction to current computer applications in music. Including MIDI and sequencing, notation, internet communication, and digital audio. Prerequisite: Full major status.
- 1180 Recording Practicum. (0-2) Independent study in sound recording. Students develop aural and practical skills necessary to produce high quality recordings. May be repeated once with different emphasis for additional credit. Prerequisite: Full major status in SRT.
- 1182 Recording Practicum II. (0-2) Development of aural skills associated with audio production and recording. Continuation of the first semester of MU 1180 Recording Practicum. Prerequisite: MU 1180.
- 1210 (MUSI 1216) Aural Learning I. (0-2) The course materials from Music Theory I as applied through lessons in singing, playing, and music dictation. Prerequisite: MU 1112 with a grade of "C" or higher or pass by exam. Corequisite: MU 1211.
- 1211 (MUSI 1211) Music Theory I. (3-0) A comprehensive study of the materials of counterpoint and harmony. The study is made through listening and observation of the literature; lessons in application include activities in musical writing and analysis. Prerequisite: MU 1112 with a grade of "C" or higher or pass by exam. Corequisite: MU 1210.
- 1212 (MUSI 1217) Aural Learning II. (0-2) The course materials from Music Theory II as applied through lessons in singing, playing, and music dictation. Prerequisites: MU 1210, 1211 with a grade of "C" or higher. Corequisite: MU 1213.
- 1213 (MUSI 1212) Music Theory II. (3-0) A comprehensive study of the materials of counterpoint and harmony. The study is made through listening and observation of the literature; lessons in application include activities in musical writing and analysis. Prerequisites: MU 1210, 1211 with a grade of "C" or higher. Corequisite: MU 1212.
- 1312 Essential Musicianship. (3-0) Detailed instruction in fundamentals of music theory, including but not limited to notation, meters, scales, key signatures, intervals and chords. This course is designed primarily for non-Music majors and Music minors.
- 1314 Essential Musicianship II. (3-0) Continued practice of the essential elements of musicianship. Emphasis on analysis and application of song forms, transposition, popular chord symbols, ear training and sight-singing. Prerequisite: MU 1312 with a C or better.
- 2000 Departmental Recital (0-0) Performance, attendance, and weekly observation of recitals. Concurrent enrollment with applied lessons required for all music majors. Corequisites: Concurrent enrollment with applied lessons and major ensemble required for all music majors.
- 2104 Writing About Music. (2-0) Focusing on basic writing skills, research, and the use and documentation of sources. This course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. Prerequisite: Full major status in Performance. Corequisite: MU 2303, 3315, or 3316. (WT)
- 2123 (MUSI 1104) Foundations of Music. (1-0) Designed to introduce the student to principles of aesthetics and philosophy, and their practical application as related to music. Prerequisite: Full major in Music Studies.
- 2141 (MUSI 2160 & MUSI 2161) Fundamentals of Diction in Singing. (1-1) A basic course in the pronunciation of singing in English, French, Italian, Spanish, and German. Prerequisites: Full major in Vocal Performance and Music Studies in Voice. (MC)
- 2142 Fundamentals of Diction in Singing II. (1-1) A basic course in the pronunciation of singing in Italian and French combining lecture and laboratory sessions for practical application. Prerequisites: Full major in Vocal Performance and Music Studies in Voice, MU 2141. (MC)
- 2153 Problems in Music. (1-0) Study of one or more problems in music. The courses are conducted as seminars and are open to students on an individual basis by arrangement with the Director of the School of Music. May be repeated once for credit.
- 2180 Recording Practicum. (0-2) Independent study in sound recording. Students develop aural and practical skills necessary to produce high quality recordings. May be repeated once with different emphasis for additional credit. Prerequisites: Full major status in SRT, MU 1180.
- 2182 Recording Practicum IV. (0-2) Development of aural skills associated with audio production and recording. Continuation of the first semester of MU 2180 Recording Practicum. Prerequisites: Full major status in SRT, MU 2180.
- 2253 Problems in Music. (2-0) Study of one or more problems in music. The courses are conducted as seminars and are open to students on an individual basis by arrangement with the Director of the School of Music. May be repeated once for credit.
- 2260 (MUSI 2216) Aural Learning III. (0-2) The course material from Music Theory III as applied through lessons in singing, playing, and music dictation. Prerequisites: MU 1212, 1213 with a grade of "C" or higher. Corequisite: MU 2261.
- 2261 (MUSI 2211) Music Theory III. (3-0) A continuation of the comprehensive approach used in Music Theory I and II, with an emphasis upon traditional forms and harmony using altered chords. Lessons in application include activities in composition and analysis. Prerequisites: MU 1212, 1213, MUSP 1135 with a grade of "C" or higher. Corequisite: MU 2260.
- 2262 (MUSI 2217) Aural Learning IV. (0-2) The course materials from Music Theory IV as applied through lessons in singing, playing, and music dictation. Prerequisites: MU 2260, 2261 with a grade of "C" or higher. Corequisite: MU 2263.
- 2263 (MUSI 2212) Music Theory IV. (3-0) A continuation of the comprehensive approach used in Music Theory I, II, and III, with an emphasis upon traditional forms and harmony, and twentieth century materials. Lessons in application include activities in composition and analysis. Prerequisites: MU

- 2260, 2261, MUSP 1136 with a grade of "C" or higher. Corequisite: MU 2262.
- 2303 (MUSI 1307) Survey of Music Literature. (3-0) A study through listening to recordings of the characteristic examples of music literature. The aim of this course is to provide a rich background of experience with music in order that theoretical and applied study may be more meaningful. Prerequisites: Full major status or Music minor, sophomore level or higher. (MC)
- 2310 (MUSI 1303) Guitar Class I. (3-0) An introductory course primarily for the non-music major. This course offers the opportunity to study tuning, hand positions, chords, accompaniment patterns, strumming and introductory music reading.
- 2313 (HUMA 1315) Introduction to Fine Arts. (3-0) An introductory course designed to give the student a fundamental understanding of the creation and appreciation of diverse modes of expression through the visual and performing arts. This course may not be repeated for credit by taking ART 2313, DAN 2313, or TH 2313. (MC/MP)
- 2353 Problems in Music. (3-0) Study of one or more problems in music. The courses are conducted as seminars and are open to students on an individual basis by arrangement with the Director of the School of Music. May be repeated once for credit.
- 2381 Recording Industry Operations I. (3-0) An overview of recording studio and industry-related functions and operations. Prerequisites: 2 semesters of MU 1180, concurrent enrollment in MU 2180, and consent of instructor.
- 3000 Departmental Recital (0-0) Performance, attendance, and weekly observation of recitals. Corequisites: Concurrent enrollment with applied lessons and major ensemble required for all music majors.
- 3050 Junior Recital. (0-1) Preparation and performance of the junior recital for music performance majors. Corequisites: Concurrent enrollment with applied lessons and major ensemble required for all Music Performance majors.
- 3180 Recording Practicum. (0-2) Independent study in sound recording. Students develop aural and practical skills necessary to produce high quality recordings. May be repeated once with different emphasis for additional credit. Prerequisites: Full major status in SRT, MU 2180. Corequisite: MU 3383.
- 3182 Recording Practicum VI. (0-2) Development of aural skills associated with audio production and recording. Continuation of the first semester of MU 3180 Recording Practicum. Prerequisites: Full major status in SRT, MU 3180. Corequisite: MU 3384.
- 3207 Fundamentals of Conducting. (2-1) The fundamentals of baton technique. Prerequisite: Full major status.
- 3217 Instrumental Conducting. (2-1) An application of the principles of conducting to instrumental music, including score reading and problems of interpretation. Some choral conducting experience will be included. Prerequisite: MU 3207.
- 3227 Choral Conducting. (2-1) An application of the principles of conducting choral music, including score reading and problems in interpretation. Some instrumental conducting experience will be included. Prerequisite: MU 3207.
- 3234 Jazz Improvisation II. (2-0) A continuation of MU 3333, with particular attention to developing skills in the use of scales and modes (including major and minor pentatonic scales), modal playing, and jazz nomenclature. Prerequisites: MU 3333 and concurrent enrollment in Jazz Combo.
- 3241 A Survey of Ensemble Performance Literature. (3-0) Detailed consideration of literature of all periods appropriate for performance by performance ensembles. Repertoire selection and performance problems peculiar to small, medium, and large ensembles are discussed. Include arranging. Prerequisites: Music Studies majors, MU 2303.
- 3253 Performance Ensemble Techniques. (3-0) A course designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques. Prerequisites: Music Studies majors, MU 3207, MU 2263, MUSP 3145 or 3147, MUSP 3155 or 3157.
- 3255 Musical Instruments for Performing Folk and Traditional Music. (2-1) Basic performance skills for the recorder, guitar, piano and keyboard percussion instruments. Prerequisite: MU 1311.
- 3263 Marching Band Techniques. (2-0) An examination of the techniques required to program, design, and instruct a successful marching band show. The class will discuss different types of design concepts currently being employed throughout the country, but also to construct and chart those designs. Prerequisite: MU 2263.
- 3269 Current Trends in Music II. (3-0) A study of melodic and harmonic techniques for keyboard percussion instruments. Sight-reading techniques using Sol-Fa. Survey of the folk music of Europe and America. Prerequisite: MU 3340.
- 3308 History of Rock. (3-0) A survey of the evolution of rock styles, contributions of important performers, and musical techniques involved in the creation and performance of rock music. The course focuses on the first three decades of rock history.
- 3310 Guitar Class II. (3-0) Primarily for the non-music major, the course includes the opportunity for development of more advanced techniques in accompaniment, music reading and solo guitar techniques.
- 3313 Introduction to Fine Arts. (3-0) This course is designed to give the student a critical understanding and appreciation of the history and principles associated with each of the artistic disciplines of theatre, dance, music and the visual arts.
- 3315, 3316 History and Analysis of Music. (3-0) A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. Prerequisites: MU 2303 or consent of instructor. (MC) (WI)
- 3318 World Musics. (3-0) This course equips students with practical and intellectual tools to enhance their enjoyment and understanding of popular, folk and classical music traditions around the globe, (with the exclusion of what is commonly referred to as Western Art Music) and explores how these traditions relate to history, social issues, politics and identity. Prerequisites: Music Studies-Vocal, Bachelor of Arts Music Performance majors and Music minors. (MC) (WI)
- 3333 Jazz Improvisation. (3-0) Familiarity with the scales, patterns, backgrounds, and other materials used in improvisation in the jazz idiom. Prerequisite: MU1213 or permission of instructor.
- 3340 Current Trends in Music I. (3-1) A study of the components of music and their concepts. An emphasis on singing and rhythmic performance skills, and esthetic awareness through listening. Prerequisite: MU 1311 or 2123.

- 3370 Music for the Elementary Classroom. (3-0) Introduction to basic music skills for the elementary classroom teacher. Include practical application and development of strategies and instructional techniques necessary for effective integration of music experiences in the elementary classroom curriculum. Intended for interdisciplinary studies majors.
- 3375 History of Jazz. (3-0) Jazz originated in America and has been of great importance in the development of the 20th Century music. Topics will include the structure and history of jazz, the contributions of jazz to contemporary music, and the chronological development of jazz experienced through recordings and live performances. (MC)
- 3380 Topics in Music. (3-0) Intensive study of special music topics. Repeatable for credit with a different emphasis.
- 3380A Women in Jazz. (3-0) Overview of jazz history from its New Orleans origins to the present focusing on the contributions of women. Major style periods researched include early jazz/swing, bebop, cool, hard bop, free jazz, jazz fusion, and contemporary trends. Emphasis will be placed on the development of critical listening skills. Justification: New faculty research. Course available for all students.
- 3380B Music and Film. (3-0) Exploration of the historical traditions, impact and function of music in films past and present. Justification: New faculty research. Course available for all students.
- 3380C Rock Harmony. (3-0) Theoretical analysis of popular and rock music incorporating extensive ear training components such as recognition of chords and progressions. Further analysis of the individual stylistic details in rock songs as well as comparison to traditional tonal harmony and form. Prerequisite: MU 1312 with a C or better. Justification: New faculty research. Current theory courses analyze music of classical basis and the common practice period only. Course available for all students.
- 3381 Recording I. (3-0) Introduction to audio recording techniques. Topics include acoustics, electronics, microphones, microphone techniques, loudspeakers, and operating principles of common recording equipment. Prerequisite: Sound Recording Technology major.
- 3382 Recording II. (3-0) A continuation of MU 3381. Topics include: operating principles of common recording equipment, fundamentals of analog and digital recording, signal flow, equalization, and sound effects processors. Prerequisite: MU 3381.
- 3383 Audio Technology: Microphones and Mixing Techniques. (3-0) Principles and practices of microphone and mixing techniques. Prerequisite: MU 3382. Corequisite: MU 3180
- 3384 Audio Recording Techniques. (3-0) Audio tape and disc recording and their applications in a variety of settings and genres. Prerequisite: MU 3383. Corequisite: MU 3182.
- 4000 Departmental Recital (0-0) Performance, attendance, and weekly observation of recitals. Concurrent enrollment with applied lessons required for all music majors. Corequisites: Concurrent enrollment with applied lessons and major ensemble required for all Music majors.
- 4050 Senior Recital. (0-1) Preparation and performance of the senior recital. Corequisites: Concurrent enrollment in Senior Research Project, applied lessons, and major ensemble.
- 4151 Band Instrument Repair. (2-1) A one-semester course designed to equip the prospective band director with the skills to make basic repairs on the various musical instruments.
- 4180 Recording Practicum. (0-2) Independent study in sound recording. Students develop aural and practical skills necessary to produce high quality recordings. May be repeated once with different emphasis for additional credit. Prerequisite: MU 3182.
- 4182 Recording Practicum VIII. (0-2) Development of aural skills associated with audio production and recording. Continuation of the first semester of MU 4180 Recording Practicum. Prerequisite: MU 4180.
- 4185 Senior Research Project. (1-1) A study of the student's senior recital literature resulting in a thorough research paper on the theoretical, historical, technical and stylistic aspects of the compositions. Corequisite: Concurrent enrollment in Senior Recital, applied lessons, and ensemble.
- 4223 Vocal Pedagogy and Literature. (3-0) The study of publications concerning the teaching of singing and sources of vocal literature. Will include practical experience teaching in a private studio setting.
- 4234 Arranging Techniques for School Music Ensembles. (3-0) This class will introduce the many techniques involved in arranging for a wide variety of school music ensembles. Content will include an examination of the various instrument families, basic manuscript techniques (both manual and computer aided) and various orchestration techniques for voicing and scoring. Prerequisites: Music Studies majors, MU 2263, MU 3207, MUSP 3145 or 3147, MUSP 3155 or 3157.
- 4253 Problems in Music. (2-0) Study of one or more problems in music. The courses are conducted as seminars and are open to students on an individual basis by arrangement with the Director of the School of Music. May be repeated once for credit.
- 4255 Topics in Performance Pedagogy. (2-0) Intensive study of various teaching styles and techniques in specific media. Prerequisite: Performance major status.
- 4255A Vocal Pedagogy. (2-0) Developing teaching methods and broader understanding through critical study of vocal techniques. Prerequisite: Performance major with Vocal Option major status.
- 4255B Guitar Pedagogy. (2-0) Developing teaching methods and broader understanding through critical study of guitar techniques. Prerequisite: Performance with Guitar Option major status.
- 4256 Topics in Performance Literature. (2-0) Intensive study of performance literature in specific media. Prerequisite: Performance major status.
- 4256A Vocal Literature. (2-0) Detailed consideration of vocal literature of all periods and voice classifications. Repertoire selection and performance problems peculiar to vocalists are discussed. Prerequisite: Performance with Vocal Option major status.
- 4256B Guitar Literature. (2-0) Detailed consideration of guitar literature from all musical periods. Repertoire selection and performance problems peculiar to guitar performers are discussed. Prerequisite: Performance with Guitar Option major status.

- 4256C Piano Literature. (2-0) A study of piano performance literature focusing on various styles, genres, composers and eras. This course may be repeated for credit with a different emphasis. Prerequisite: Performance Major status.
- 4280 Senior Research Project. (1-1) A study of the student's senior recital literature resulting in a thorough research paper on the theoretical, historical, technical and stylistic aspects of the compositions. Corequisites: Concurrent enrollment in Senior Recital, applied lessons, and major ensemble. (WI)
- 4310 Guitar Class III: Rock, Country, Blues. (3-0). Designed primarily for the non-music major. Continued study of advanced techniques including scales, arpeggios, strumming patterns and advanced accompanying styles. Analysis and performance of musical styles including rock, country and blues. May be repeated for additional credit.
- 4312 Guitar Class IV: Rock, Country, Blues. (3-0). Designed primarily for the non-music major. Continued study of advanced techniques including soloing techniques, accompaniment techniques. Detailed analysis of performance styles emphasizing the styles of contemporary performers. May be repeated for additional credit.
- 4330 Form and Analysis. (3-0) Principles of form and analysis developed through the in-depth application of analytical systems to the musical repertoire through the nineteenth century. Prerequisites: MU 2263 or consent of the instructor.
- 4332 Contemporary Analytic Techniques. (3-0) Detailed study and analysis of selected compositions from the early twentieth century to the present; analytical projects. Prerequisite: MU 2263 or consent of the instructor.
- 4334 Orchestration. (3-0) Study of the characteristics of individual instruments; writing for various combinations; study of scores of different periods; techniques of instrumentation, arranging, and orchestration; listening to recorded and live performances. Prerequisite: MU 2263 or consent of the instructor.
- 4336 Eighteenth Century Counterpoint. (3-0) A study of 18th century contrapuntal techniques as found in choral preludes, inventions and fugues, among other forms. Prerequisite: MU 2263 or consent of the instructor.
- 4343 Jazz Pedagogy. (3-0) A study of repertoire selection and evaluation, phrasing and articulation, rhythm section techniques, methods of instruction, and review of current teaching styles in American jazz programs, including contest preparation and the teaching of basic improvisation. Prerequisites: MU 2262, 2263 or consent of instructor.
- 4344 Jazz Theory and Arranging. (3-0) A study of the elements of jazz and popular styles, including but not limited to: scales, modes, chord voicings, standard jazz song-forms, chord substitutions, and various techniques of arranging for big bands and small combos. May be repeated once for credit. Prerequisites: MU 2262, 2263 or consent of instructor.
- 4346 Jazz Arranging. (3-0) An in-depth exploration of various commercial writing styles and instrumentations, focusing on Pop, Latin and Jazz. The class will analyze the writing styles of many of the most prolific and successful Big Band Arrangers of the 20th century. Participants will be able to write music for any and all types of commercial applications, and musical styles for all levels of musicians. Prerequisite: MU 4344 or permission from instructor.
- 4351, 4353 Problems in Music. (3-0) Study of one or more problems in music. Problems chosen may not duplicate the scope of another course offered for credit. The courses are conducted as seminars and are open to students on an individual basis by arrangement with the Director of the School of Music.
- 4354 Business in Music. (3-0) A preparation of students and future musicians for a career in music. The course will discuss the various career options available to aspiring musicians and the paths to take to pursue these options.
- 4356 Mariachi Arranging. (3-0) Analysis and arranging music for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. Prerequisite: MU 2263.
- 4385 Advanced Audio Recording Techniques. (3-0) Application of theoretical skills in recording, mixing, and editing concert music. Prerequisite: MU 3384. Corequisite: MU 4180.
- 4386 Internship. (0-6) Practical experience in audio recording under professional supervision. Provides the opportunity for students to demonstrate professional competencies based on prior theoretical and laboratory experiences. Prerequisite: SRT majors only.
- 4680 Internship in Sound Recording Technology. (0-6) Practical experience in audio recording under professional supervision. Provides the opportunity for students to demonstrate professional competencies based on prior theoretical and laboratory experiences. Prerequisite: MU 4385. Capstone course.

Courses in Music Ensembles (MUSE)

- 3026 Student Chamber Music. (0-3) Small student organized and led performing groups coached by area faculty as necessary.
- 3101 Basketball Band. (0-4) The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all post-season tournaments. May be repeated for credit.
- 3102 Salsa Del Rio. (0-6) Performing ensemble specializing in Latin and South American music. May be repeated for credit. (MC)
- 3103 Texas State Mariachi. (0-6) Performing ensemble specializing in Mexican folk music. May be repeated for credit. (MC)
- 3104 Panorama Steel Drum Band. (0-6) A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit. (MC)
- 3105 VocaLibre. (0-6) A select vocal ensemble specializing in chamber music, including madrigal and jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
- 3106 Opera Workshop. (0-9) Vocal performance opportunity to participate in performance of opera and to learn techniques for operatic acting and staging. May be repeated for credit.
- 3107 Opera Theatre. (0-9) Advanced level course designed for the mature vocal performer to analyze and strengthen individual acting and character techniques through work in full productions of operas, operettas and other musical theater literature. Prerequisite: MUSE 3106 Opera Workshop.
- 3120 Bobcat Marching Band. (0-9) This ensemble performs at all home and select away football games utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.

- 3123 Concert Band. (0-6) This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
- 3124 Women's Choir. (0-6) Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
- 3125 Men's Choir. (0-6) Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
- 3126 Chamber Music. (0-4) Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
- 3127 Jazz Combo. (0-4) A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
- 3130 Wind Ensemble. (0-9) Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
- 3131 Symphonic Band. (0-6) Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
- 3140 Texas State Chorale. (0-9) Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
- 3141 University Singers. (0-6) Major choral ensemble that performs a variety of literature, including masterworks, from the 17th Century to the present. May be repeated for credit.
- 3150 Texas State Symphony Orchestra. (0-9) A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
- 3151 Chamber Orchestra. (0-6) Auditioned orchestra designed to perform advanced level symphonic literature with repertoire representing several of historical periods and styles. May be repeated for credit.
- 3160 Jazz Ensemble. (0-9) The jazz based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
- 3161 Jazz Orchestra. (0-6) The jazz based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
- 3162 Jazz Lab Band. (0-6) The jazz based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
- 3170 Accompanying. (0-4) A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit. Prerequisite: Piano major.
- 3180 Mysterium for Modern Music. (0-4) A seminar-based course focusing on the performance and analysis of 20th century music in all styles and media. May be repeated for credit. Prerequisite: Composition major.
- 3190 Guitar Ensemble. (0-6) Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as ensemble performer, and to familiarize student

with music from different periods through a variety of literature. May be repeated for credit.

Courses in Applied Music (MUSP)

Applied Instruction: Private study of piano, voice, organ, string, brass, woodwind, and percussion instruments is available to all students of Texas State, on both beginning and advanced levels of instruction. Through supervised private coaching, instruction focuses on technique, musicality, literature and performance. May be repeated for credit. Prerequisite: Music major status or permission from instructor.

Voice: MUSP 1120, 1220, 2120, 2220, 3220, 3320, 4220, 4320

Keyboard (Piano, Organ): MUSP 1130, 1230, 2130, 2230, 3230, 3330, 4230, 4330

Woodwind (Flute, Oboe, Clarinet, Bassoon, Saxophone): MUSP 1140, 1240, 2140, 2240, 3240, 3340, 4240, 4340

Brass (Trumpet, Horn, Trombone, Euphonium, Tuba): MUSP 1150, 1250, 2150, 2250, 3250, 3350, 4250, 4350

String (Violin, Viola, Cello, Bass, Guitar): MUSP 1160, 1260, 2160, 2260, 3260, 3360, 4260, 4360

Percussion: MUSP 1170, 2170, 3170, 3270, 4170, 4270

Composition: MUSP 1180, 1280, 2180, 2280, 3280, 3380, 4280, 4380

1121 Vocal Techniques. Vocal instruction focusing on technique, musicality and performance for the beginning singer. May be repeated for credit.

1135 Piano Techniques I. (1-2) Introductory course to develop piano technique and musical style through sight-reading, scales, chords, harmonization, and improvisation. Prerequisite: Music major status.

1136 Piano Techniques II. (1-2) Introductory course to develop piano technique and musical style through sight-reading, scales, chords, harmonization, and improvisation. Prerequisite: MUSP 1135.

1137 Piano Techniques III. (1-2) Advanced level course to develop piano technique and musical style through sight-reading, scales, chords, harmonization and improvisation. Prerequisite: MUSP 1136.

1138 Piano Techniques IV. (1-2) Advanced level course to develop piano technique and musical style through sight-reading, scales, chords, harmonization and improvisation. Prerequisite: MUSP 1137.

2125 Applied Voice for non-majors. (1-0) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual vocal development. May be repeated for credit. Prerequisite: Permission from instructor.

2135 Applied Keyboard for non-majors. (1-0) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual keyboard development. May be repeated for credit. Prerequisite: Permission from instructor.

2145 Applied Woodwind for non-majors. (1-0) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual woodwind development. May be repeated for credit. Prerequisite: Permission from instructor.

- 2155 Applied Brass for non-majors. (1-0) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual brass development. May be repeated for credit. Prerequisite: Permission from instructor.
- 2165 Applied String for non-majors. (1-0) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual string development. May be repeated for credit. Prerequisite: Permission from instructor.
- 2175 Applied Percussion for non-majors. (1-0) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual percussion development. May be repeated for credit. Prerequisite: Permission from instructor.
- 2185 Applied Composition for non-majors. (1-0) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual composition development. May be repeated for credit. Prerequisite: Concurrent enrollment in major ensemble (MUSE) and permission from instructor.
- 2191 Electronic Music I. Theoretical and working knowledge of sound synthesis, MIDI, and computer-based composition emphasizing practical applications using available software and instruments. Major subject areas: hardware and software, virtual instruments, sampling & playback devices, timbre control, MIDI synchronization, sequencing, digital audio workstations, editing, mixing, notation, and composition. Prerequisite: SRT majors.
- 2192 Electronic Music II. Theoretical and working knowledge of sound synthesis, MIDI, and computer-based composition emphasizing practical applications using available software and instruments. Major subject areas: hardware and software, virtual instruments, sampling & playback devices, timbre control, MIDI synchronization, sequencing, digital audio workstations, editing, mixing, notation, and composition. Prerequisite: MUSP 2191.
- 2225 Applied Voice for non-majors. (1-1) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual vocal development. May be repeated for credit. Prerequisites: Concurrent enrollment in major ensemble (MUSE) and permission from instructor.
- 2235 Applied Keyboard for non-majors. (1-1) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual keyboard development. May be repeated for credit. Prerequisites: Concurrent enrollment in major ensemble (MUSE) and permission from instructor.
- 2245 Applied Woodwind for non-majors. (1-1) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual woodwind development. May be repeated for credit. Prerequisites: Concurrent enrollment in major ensemble (MUSE) and permission from instructor.
- 2255 Applied Brass for non-majors. (1-1) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual brass development. May be repeated for credit. Prerequisites: Concurrent enrollment in major ensemble (MUSE) and permission from instructor.
- 2265 Applied String for non-majors. (1-1) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual string development. May be repeated for credit. Prerequisite: Concurrent enrollment in major ensemble (MUSE) and permission from instructor.
- 2285 Applied Composition for non-majors. (1-1) Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual composition development. May be repeated for credit. Prerequisites: Concurrent enrollment in major ensemble (MUSE) and permission from instructor.
- 3131 Jazz Piano Techniques I. Beginning piano techniques class introducing scales and chords used in the jazz idiom. Prerequisites: Jazz Studies major, MUSP 1136.
- 3132 Jazz Piano Techniques II. Continuing study of piano technique in the jazz idiom and application of skills through performance and arranging. Prerequisites: Jazz Studies major, MUSP 3131.
- 3145 Woodwind Techniques I. (1-2) Basic teaching and performance techniques of the flute and clarinet. Prerequisite: Full major in Music Studies.
- 3147 Woodwind Techniques II. (1-2) Basic teaching and performance techniques of the oboe, bassoon and saxophone.) Prerequisite: Full major in Music Studies.
- 3155 Brass Techniques. (1-2) Basic teaching and performance techniques of the trumpet, horn, trombone, euphonium and tuba. Prerequisite: Full major in Music Studies.
- 3157 Brass Techniques II. (1-2) Continuation of the basic teaching and performance techniques of the trumpet, horn, trombone, euphonium and tuba. Prerequisite: MUSP 3155.
- 3165 String Techniques. (1-2) Basic teaching and performance techniques of the violin, viola, cello and double bass. Prerequisite: Full major in Music Studies.
- 3175 Percussion Techniques. (1-2) Basic teaching and performance techniques of marching and concert percussion. Prerequisite: Full major in Music Studies.
- 3191 Electronic Music III. Theoretical and working knowledge of sound synthesis, MIDI, and computer-based composition emphasizing practical applications using available software and instruments. Major subject areas: hardware and software, virtual instruments, sampling & playback devices, timbre control, MIDI synchronization, sequencing, digital audio workstations, editing, mixing, notation, and composition. Prerequisite: MUSP 2192.
- 3192 Electronic Music IV. Theoretical and working knowledge of sound synthesis, MIDI, and computer-based composition emphasizing practical applications using available software and instruments. Major subject areas: hardware and software, virtual instruments, sampling & playback devices, timbre control, MIDI synchronization, sequencing, digital audio workstations, editing, mixing, notation, and composition. Prerequisite: MUSP 3191.
- 3195 General Performance Techniques. (1-2) Basic teaching and performance techniques of instrumentation, arranging, and pedagogy separated into appropriate sections for choral,

band and orchestral emphasis. Prerequisite: Full major in Music Studies.

- 4165 Vihuela and Guitarron Class. (3-0) The fundamentals of playing and teaching two rhythm instruments known as the Vihuela and the Guitaron. Topics will cover history, tuning, strumming, and knowledge of styles of the Vihuela and Guitaron. Prerequisite: MU 2310 or equivalent.

Department of Theatre and Dance

Theatre Center 101

T: 512.245.2147 F: 512.245.8440

www.theatreanddance.txstate.edu

DEGREE PROGRAMS OFFERED

BA, major in Theatre

BFA, major in Theatre (Acting Pre-Professional Option)

BFA, major in Theatre (Performance and Production Pre-Professional Option)

BFA, major in Theatre (Design/Technology Pre-Professional Option)

BFA, major in Theatre (with Teacher Certification)

BFA, major in Musical Theatre

BFA, major in Dance (Performance and Choreography)

BFA, major in Dance (Dance Studies)

BFA, major in Dance (with Single Field Teacher Certification)

BFA, major in Dance (with Two Field Teacher Certification)

MINORS OFFERED

Dance

Theatre

The Department of Theatre and Dance provides classroom instruction in all phases of live theatre performance. That instruction is reinforced by students' participation in every area of theatrical production and performance.

All theatre majors take a sixteen hour core curriculum in the discipline, and then specialize in acting, design/technology, performance and production, musical theatre, or certification to teach in the public schools. Graduates of the theatre program work as teachers, actors, designers, writers, producers, directors, and technicians in film, television, and theatre. Some have also gone on to pursue advanced degrees, conducting further preparation for the profession or preparing to teach at the college or university level.

Texas State's dance program prepares professional performers and choreographers and certifies teachers for the public schools. Students explore several forms of dance and learn to use those forms in educational and community settings. The role of dance as an art form and a means of developing sound aesthetic values are paramount in the program. Graduates work in public schools, private schools, private studios, and professional dance groups. Some have also gone on to pursue advanced degrees, conducting further preparation for the profession or preparing to teach at the college or university level.

Special Requirements

Theatre majors must possess a 2.5 GPA to be eligible for casting in a major production and for admission into the Acting, Musical Theatre, and Design & Technology programs. Students who are admitted to these three programs must maintain a 2.5 GPA to remain in the program. Students who fail to do so will be advised into another program.

Bachelor of Arts Major in Theatre Minimum required: 120 semester hours							
General Requirements: 1. Majors must complete a minimum of 35 hours in Theatre, with six additional hours strongly recommended. A minimum of 12 TH hours must be advanced. 2. General education and BA requirements must be met. <u>Elective hours may be needed to reach the minimum number of hours for the degree.</u> 3. All theatre majors are encouraged to participate in theatre production activities each semester, and BA students must enroll in TH 2111 a minimum of two semesters.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
TH 1354, 1350, 1364, 1365, 2111	13	TH 1358, 2111 TH Elective	4 3	TH 3320, 3321 TH 3344 or 3346	6 3	TH 4364 TH Elective	3 3
Total	13	Total	7	Total	9	Total	6

Bachelor of Fine Arts Major in Theatre (with Pre-Professional Option) Minimum required: 120 semester hours	
General Requirements: 1. This program has two options: (1) a special emphasis curriculum leading to a pre-professional degree and (2) an education curriculum leading to K-12 certification in Theatre. 2. Majors must complete a minimum of 60 hours in Theatre, of which 36 are required. A minimum of 30 hours must be advanced. 3. Admission to the B.F.A. in Theatre with an emphasis in Acting is highly competitive and based on an audition/interview with the Bachelor of Fine Arts Review Committee. Prospective students audition during their senior year of high school. Interested transfer students must contact the Head of Acting to see if there are any available slots in their class level; typically, transfer students require more than the usual 4 years to complete their degree. Students in the program are always on probation, with their work and progress continually evaluated. There is a formal review at the end of the sophomore year that determines whether each student may advance to the upper-level training. 4. Admission to the B.F.A. in Theatre with an emphasis in Design & Technology is based on an audition during their sophomore year by taking the B.F.A. I class. At the conclusion of that class, the student's work is reviewed by the Design/Tech faculty and staff, and a decision whether to admit to the program is made. 5. Admission to the B.F.A. in Theatre with an emphasis in Teacher Certification is based on grade point average; a 2.75 is required for admission to the program. Students will be expected to maintain high artistic and academic standards. For specific admission requirements and procedures, students should contact the Department of Theatre before March 15. 6. Bachelor of Fine Arts Theatre students choose their career path in consultation with the Academic Advisor and the Bachelor of Fine Arts Review Committee. 7. All Theatre majors are encouraged to participate in theatre production activities each semester. Bachelor of Fine Arts students with an acting, musical theatre, or performance and production specialization will enroll for TH 2111 a minimum of two semesters, and design/technology specializations will enroll a minimum of one semester. 8. Students desiring teacher certification within the pre-professional option will complete additional work including 18 hours of education courses and RDG 3324 (see your academic adviser). 9. General education requirements must be met.	

Bachelor of Fine Arts Major in Theatre (with Acting Emphasis) Minimum required: 126 semester hours							
Effective Fall 2010 admission to the B.F.A. Acting program is based on an audition as a high school senior. Prospective transfer students must contact the Head of Acting to see if there are any available slots in their class level and to arrange an audition. 1. The general education core curriculum requirement for two semesters of Physical Fitness and Wellness should be taken in Dance. Applicable courses include DAN 1160, 2161, 1170, 1180, 2181, 1190, or 2191. 2. The Acting Area electives include TH 4330C Improvisation for the Actor, TH 4330D Actor, Artist Aesthetic, a 6-hour Summer Shakespeare Study Abroad, or classes selected in consultation with the Head of Acting.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
TH 1340, 1350, 1354, 1364, 1365, 2111 University Core	16 15	TH 1355, 2111, 2340, 2354, 3343, 3364 University Core	16 15	TH 3310, 3320, 3321, 3360, 3365 TH 3390, 4390 University Core	15 6 12	TH 3342, 3367, 4361, 4364 TH 4391, 4392, 4393 Acting Area Electives University Core	12 9 6 4
Total	31	Total	31	Total	33	Total	31

Bachelor of Fine Arts Major in Theatre (with Performance and Production Emphasis) Minimum required: 120 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
TH 1340 or 1354, 1350, 1364, 1365, 2111 University Core	13 17	TH 2111, 2338 TH 3344 or 3346 TH electives University Core	4 3 9 14	TH 3320, 3321 TH 4345 or 4348 or 4357 Two from TH 3342 or 4363 or 4340 or 4341 TH Advanced Electives University Core	6 3 6 3 12	TH 3367, 4364, 4365 TH 4345 or 4338 or 4357 TH Advanced Electives General Electives University Core	9 3 6 9 3
Total	30	Total	30	Total	30	Total	30

Bachelor of Fine Arts Major in Theatre (with Design/Technology Emphasis) Minimum required: 120 semester hours							
General Requirements: 1. Non-specified advanced TH classes are chosen in consultation with adviser, from 3343, 3346, 4330L 4338 (Rpt), 4345 (Rpt), 4347, 4355, 4356, or 4357 (Rpt.)							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
TH 1350, 1358, 1364, 2111 University Core	10 20	TH 3344, 3390, 4390 TH 3320, 3321 TH 4330J University Core	9 6 3 12	TH 4391, 4392, 4338, 4345, 4357 TH 4330I, 4330K TH Advanced Design/Tech Elective University Core	15 6 3 6	TH 3367, 4364, 4393 TH Advanced Design/Tech Elective General Electives University Core	9 9 4 8
Total	30	Total	30	Total	30	Total	30

Bachelor of Fine Arts
Major in Theatre (with All-Level Teacher Certification)
 Minimum required: 128 semester hours

General Requirements:

1. An All-Level teacher certification in the theatre program consists of a minimum of 41 semester hours, with at least 24 hours advanced.
2. All theatre majors are encouraged to participate in theatre production activities each semester, and All-Level certification specializations will enroll in TH 2111 a minimum of one semester.
3. General education and teacher education requirements must be met.
4. Teacher Certification majors must maintain an overall GPA of 2.75, a major GPA of 2.75, and a GPA of 2.75 in all required education courses.
5. During the summer between their junior and senior years, B.F.A. Teacher Certification majors take TH 4365 Directing II, TH 4330H Technical Theatre Intensive, and TH 4320 Directing Theatre Activities.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Summer Session TH 4365, 4330H 4320	Hr
TH 1350, 1354, 1364, 1365, 2111	13	TH 2338, 3344, 3370	9	TH 3320, 3321, 4364	9		
University Core	18	Theatre Elective	3	TH 4310, 4332, 4330G	9	TH 3367	3
		University Core	21	Education Credits	6	Theatre Electives	6
				University Core	7	Education Credits	15
Total	31	Total	33	Total	33	Total	24

Bachelor of Fine Arts
Major in Musical Theatre
 Minimum required: 125 semester hours

General Requirements:

1. Admission to the B.F.A. in Musical Theatre is highly competitive and based on an audition/interview with the Bachelor of Fine Arts Review Committee. Prospective students audition during their senior year of high school. Interested transfer students must contact the Head of Musical Theatre to see if there are any available slots in their class level; typically, transfer students require more than the usual 4 years to complete their degree. Students in the program are always on probation, with their work and progress continually evaluated. There is a formal review at the end of the sophomore year that determines whether each student may advance to the upper-level training.
2. Bachelor of Fine Arts Theatre students choose their career path in consultation with the Head of Musical Theatre.
3. The general education core curriculum requirement for two semesters of Physical Fitness and Wellness must be taken in Dance.
4. General education requirements must be met.
5. 36 Advanced Hours must be met.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
TH 1210, 1340, 1364, 1365, 2111	12	TH 2210, 2211, 1350, 3364, 3322	13	TH 3320, 3321, 3390, 4390	12	TH 2111, 3342, 4364, 4391, 4392	13
MU 1312, 1314, MUSP 1121 (twice)	8	MUSP 1135, 1136, MUSP 2220 (twice)	6	MUSP 3220 (twice) + 1 hr MUSE	5	DAN Courses	2
DAN Courses (Univ. Core)	2	DAN Courses	4	DAN Courses	2	MUSP 4120 (twice)	2
University Core	7	University Core	9	University Core	13	University Core	15
Total	29	Total	32	Total	32	Total	32

Bachelor of Fine Arts
Major in Dance
(With an emphasis in Dance Studies)
(Minimum required: 120 semester hours)

General Requirements:

1. Students in the dance program are expected to be active in the dance club, Orchesis, and to participate in dance concerts as dancers, choreographers, and technicians.
2. In reference to PFW Dance Activities, students are expected to gain skills at the advanced level in modern dance plus skills in Ballet, Jazz, Folk, Social, and Square, and to enroll in a dance activity course each semester they are in school.
3. Teacher Certification majors must maintain an overall GPA of 2.75, a major GPA of 2.75, and a GPA of 2.75 in all required education courses.
4. Admission into the B.F.A. in Dance with an emphasis in Performance and Choreography is based on an audition during the second semester of the sophomore year.

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	PHIL 1350	3	DAN 3330, 3332, 3367, 4366	12	DAN 3292, 3345	5
POSI 2310	3	HIST 1320	3	DAN 3366 or 3365	3	DAN 4330, 4350, 4368,	
HIST 1310	3	POSI 2320	3	DAN 3182, 3292	3	4369	12
MATH 1315, 1316, or 1319	3	ART, DAN, MU, or TH 2313	3	TH 2338	3	ENG 3304	3
COMM 1310	3	ENG Literature	3	TH 3343 or 3344	3	PHIL 4350	3
Social Science Component	3	Natural Science Component	7	Electives	6	Electives	7
TH 1354 or 1364	3	DAN 2208, 2209, 2181, 2191	6				
DAN 1111, 1170, 1180, 1190	4	Electives	3				
US 1100	1						
Total	29	Total	31	Total	30	Total	30

Bachelor of Fine Arts
Major in Dance
(With an emphasis in Performance and Choreography)
(Minimum required: 120 semester hours)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	PHIL 1305 or PHIL 1320	3	DAN 3330, 3332, 3365, 3366, 3370	15	DAN 3162, 3182, 4292, 3345	7
POSI 2310	3	HIST 1320	3	DAN 3367 or 3340	3	DAN 4330, 4350, 4368, 4369	12
HIST 1310	3	POSI 2320	3	DAN 2210, 3182, 3292 (twice)	7	DAN 4470	3
MATH 1315, 1316, or 1319	3	ART, DAN, MU, or TH 2313	3	TH 2338, 3342, or 3344	3	Electives	8
COMM 1310	3	ENG Literature	3	Electives	3		
Social Science Component	3	Natural Science Component	7				
TH 1354 or 1364	3	DAN 2208, 2209, 2181, 2191	6				
DAN 1111, 1160, 1170, 1180, 1190	5						
US 1100	1						
Total	30	Total	29	Total	31	Total	30

Bachelor of Fine Arts Major in Dance (with Single Field Teacher Certification) Minimum required: 120 semester hours							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	HIST 1320	3	CI 3325, 4332	6	DAN 4330, 4367, 4368, 4369	12
POSI 2310	3	POSI 2320	3	DAN 3330, 3332, 3350, 3365, 4350	15	DAN 3182, 3292	3
HIST 1310	3	ENG Literature	3	DAN 3366, 3367, or 3340	3	CI 4343, 4370	6
MATH 1315, 1316, or 1319	3	Natural Science Component	7	DAN 3162, 3182, 3292	4	ED 4681	6
COMM 1310	3	DAN 2161, 2181, 2191, 2208,	7	Electives	3	RDG 3323	3
Social Science Component	3	2209	7				
PHIL 1305 or 1320	3	DAN 2365	3				
DAN 1111, 1160, 1170, 1180, 1190	5	MU 2303 or MU 3318	3				
US 1100	1						
Total	30	Total	29	Total	31	Total	30

Bachelor of Fine Arts Major in Dance (with Two Fields Teacher Certification) Minimum required: 134 semester hours							
General Requirements: 1. Consult an academic advisor to help you choose an additional teaching field. 2. A second teaching field is required.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310, 1320	6	Natural Science Component	7	CI 3325, 4332	6	DAN 4367, 4368, 4369	9
POSI 2310	3	HIST 1320	3	DAN 3330, 3332, 3350, 3365, 3367, 4330	18	DAN 3292	2
HIST 1310	3	POSI 2320	3	DAN 3182, 3292	3	CI 4343, 4370	6
MATH 1315, 1316, or 1319	3	ENG Literature	3	Second teaching field	6	Second Teaching field	9
COMM 1310	3	DAN 2208, 2209	4			ED 4681	6
Social Science Component	3	DAN 2365	3			RDG 3323	3
PHIL 1305 or 1320	3	DAN 2181, 2191	2				
DAN 1111, 1170, 1180, 1190	4	ART, DAN, MU, or TH 2313	3				
US 1100	1	Second Teaching Field	6				
Second Teaching Field	3						
Total	32	Total	34	Total	33	Total	35

Minor in Dance

A minor in Dance requires 23 hours, including DAN 1170, 1190, 1191, 1192, 2208, 2209, 3330, 3332, 3365, 4330, 4367, 4368, and 4369.

Minor in Theatre

A minor in Theatre requires 18 hours, including TH 1358 or 1364 plus 15 additional TH hours, 9 of which must be advanced.

Courses in Dance (DAN)

- 1111 Freshman Dance Seminar. (1-0) Designed to orient incoming dance majors to several dance topics: dance appreciation, nutrition, time management, and career opportunities in dance. Also includes the practical component of assisting as crew members for dance productions.
- 1114 Topics in Fitness Activities: Pilates. (0-3) Pilates exercise work is designed as a rehabilitative and physical improvement technique (body therapy) that is especially useful for dancers who have sustained injuries or want to avoid common dance injuries. Prerequisites: Intermediate level dance.
- 1160 (DANC 1147) Beginning Jazz. (0-2) Beginning levels of jazz dance technique including basic jazz walks and weight shifts, isolations, stretches, and dance combinations. Combinations are designed to challenge and enhance the students' knowledge of the various styles and "schools" of jazz dance and to develop performance and choreographic abilities in these styles. This course is also offered as PFW 1180A.
- 1170 (DANC 1122) Beginning Recreational Dance. (0-2) Recreational dance includes international folk dance, square dance, and ballroom dance. Students will learn specific dances from each of these styles and gain an understanding and appreciation of the role of dance in societies and culture. This course provides an opportunity for students to explore the elements of dance as a way to discover movement as an expressive medium. This course is also offered as PFW 1180J.
- 1171 Musical Theatre Dance I. (3-0) Beginning level skills class designed to prepare the student for chorus work in musical productions. The course will feature basic jazz, tap, and modern dance instruction and techniques. The course will use a variety of musical styles and forms with an emphasis on performing choreography.
- 1172 Musical Theatre Dance II. (3-0) Intermediate level skills class designed to prepare the student for chorus work in musical productions. The course will feature basic jazz, tap, and modern dance instruction and techniques. The course will use a variety of musical styles and forms with an emphasis on performing choreography. Prerequisite: DAN 1171.
- 1180 (DANC 1141) Beginning Ballet. (0-2) Introduction to the basic technique and steps of the classical ballet. Basic barre exercises and basic positions and traveling steps of the ballet movement vocabulary will be taught and practiced for mastery, singly and in combination. Students are expected to gain an understanding of ballet as a performing art through historical as well as practical experience. This course is also offered as PFW 1180D.
- 1190 (DANC 1145) Beginning Modern Dance. (0-2) Basic modern dance technique and movement vocabulary are introduced and practiced for mastery. Biomechanical principles and the elements of dance are introduced. Elementary

choreographic experiences will be included. This course is also offered as PFW 1180G.

- 2161 (DANC 1148) Intermediate Jazz. (0-3.5) Intermediate levels of Jazz dance techniques include complex weight shifts, syncopations, coordinations, and isolation techniques. Exercise and floor combinations are designed to challenge and improve previously obtained motor skills and to enhance the knowledge of correct mechanics of dance as a performing art. This course is also offered as PFW 1180B. Prerequisite: DAN 1160 or equivalent.
- 2181 (DANC 1142) Intermediate Ballet. (0-3.5) Intermediate level ballet barre, center, position, and transitional patterns of the classical ballet will be introduced and practiced for mastery. Emphasis will be on quick mastery of simple to complex combinations of these patterns plus an understanding of the biomechanical basis of each pattern. The importance of dance as a performing art will be stressed. This course is also offered as PFW 1180E. Prerequisite: DAN 1180 or the equivalent.
- 2191 (DANC 1146) Intermediate Modern Dance. (0-3.5) Intermediate modern dance skills are introduced and practiced for mastery. Students are expected to learn and perform combinations with skill and artistry, demonstrating a working knowledge of biomechanics and performance techniques. Application of movement principles is emphasized. This course is also offered as PFW 1180H. Prerequisite: DAN 1190 or equivalent.
- 2208 (DANC 1201) Dance Composition I. (1-3) Basic principles of dance composition, solo choreography, in applied situations. Emphasis on skilled use of space, dynamics, and rhythm in building total artistic compositions. Practical experience, productions, and class will help students use basic music and dance forms as a basis for more complex choreography. Prerequisite: DAN 1190, 1191 or consent of instructor.
- 2209 Dance Composition II. (1-3) Utilizes improvisation as a creative dance technique in designing new movements for choreography. Stimulation, selection, use of improvisational dance materials with artistic discrimination. Current trends and techniques. Emphasis on designing original movement, maintaining aesthetic and artistic forms. Prerequisite: DAN 1190 or PFW 1180G, or DAN 1170 or PFW 1180J.
- 2210 Contact Improvisation. (1-3) Improvisational movement techniques that explore weight-sharing, non-verbal communication, sensory awareness, risk-taking, and physical and emotional trust. Students will gain the physical and perceptual skills to enhance performance in all areas of creative expression. Principles will be applied through movement training, discussion, and performance. Prerequisite: DAN 1190, or PFW 1180G, or DAN 1191, or PFW 1180H.
- 2313 (HUMA 1315) Introduction to Fine Arts. (3-0) An introductory course designed to give the student a fundamental understanding of the creation and appreciation of diverse modes of expression through the visual and performing arts. This course may not be repeated for credit by taking ART 2313; MU 2313; or TH 2313. (MC/MP)
- 2365 Rhythm and Movement Activities. (3-2) Rhythmical movement exploration as a basis of developing basic movement skills, fitness, and dance activities. Right and left-brain developmental theories will be explored in conjunction with creative/rhythmic movement discovery. This course is

- also offered as PE 2365. Prerequisite: DAN 1190, or PFW 1180G, or DAN 1170, or PFW 1180J.
- 3162 (DANC 2147) Advanced Jazz. (0-3.5) Advanced levels of jazz dance technique include more complex coordinations and combinations requiring increased levels of technique, strength and flexibility. Emphasis is on developing ability to quickly master increasingly challenging choreography while continuing to develop new skills. There is a continuing emphasis on biomechanics and choreography. May be repeated once for credit. This course is also offered as PFW 1180C. Prerequisite: DAN 1161 or equivalent.
- 13182 (DANC 2141) Advanced Ballet. (0-3.5) Advanced level ballet skills will be introduced and practiced for mastery. Increasingly complex combinations and repertory will challenge both the physical and cognitive skills of the students. The ability to learn and demonstrate patterns quickly as well as to master increasingly long and complex sequences will be important. Performing techniques will be emphasized. May be repeated once for credit. This course is also offered as PFW 1180F. Prerequisite: DAN 1181 or equivalent.
- 3292 Advanced Modern Dance. (2-0) Advanced modern dance skills are introduced and practiced for mastery. Students are expected to learn and perform increasingly complex combinations with skill and artistry, demonstrating a mastery of biomechanical principles and performance. Dance majors and minors are expected to develop a high level of skill in this dance style as the primary dance form for their teaching and performing preparation. Repeatable for credit with different emphasis. Prerequisite: DAN 1191 or equivalent.
- 3313 Introduction to Fine Arts. (3-0) This course is designed to give the student a critical understanding and appreciation of the history and principles associated with each of the artistic disciplines of theatre, dance, music and the visual arts.
- 3330 Materials for Rhythmical Activities. (3-1) Theory of dance movement and skills, and the techniques of utilizing these skills in a practical situation. Exposure to wide areas of available resources and aids for the dance. Prerequisite: Beginning modern dance and recreational dance. (WI)
- 3332 Demonstration Planning and Production. (3-0) Develop skills required to write and produce dance-lecture demonstrations and dance concerts in the standard educational institutions as well as professionally. Organization of dance material for performance, lighting, make-up, prop construction and accompaniment for performance so that a smooth, cohesive program may be presented will be basic. Prerequisite: Junior standing.
- 3340 Dance Touring Ensemble. (3-0) Learning and performing dances from the repertory of current faculty members, artists-in-residence, and from the repertory of historic modern dancers. Dances performed locally and regionally. Enrollment by audition only. May be repeated for credit with different emphasis.
- 3345 Video Dance. (3-0) The class is geared particularly towards dance makers and principally towards dance majors. The central objective is to enable the participants to create choreographic work for the camera, through the analysis and discussions of a selection of screenings as well as through hands-on work. Collaboration and cooperation is encouraged throughout the process.
- 3350 Dance Team Directing. (3-0) Develop skills required to direct a performing dance team. Topics include choreography, administrative organization, public relations and communication skills.
- 3365 Rhythmic Structure of Movement. (2-2) The structural analysis of basic and complex dance movements, their inherent rhythmic configuration. Understanding of movement and its rhythmic structure and correction of movement errors. Practical experience in percussion accompaniment of these movements will be emphasized. Prerequisite: Beginning Modern Dance and Recreational Dance. Junior-senior level course.
- 3366 Laban/Bartenieff Movement Analysis. (3-0) Labanotation Theory & practice of the Laban Effort-Shape Movement System and its application toward creative expression. Theory and practice of Bartenieff Fundamentals, a movement training which patterns efficient connectivity in the body with emphasis on full psychophysical involvement in personal expression. Basic skill in reading and writing Labanotation will also be included.
- 3367 Dance Performance Workshop. (2-3) Designed to give the advanced dance student experience in learning and performing varied styles of dance choreography. Established dance works and experimental works will be included in order to develop a professional level ability to learn, remember and perform a wide repertory of choreography. Prerequisite: DAN 1191, or PFW 1180H, or DAN 1192, or PFW 1180I.
- 3370 Dance Composition III. (3-0) Opportunity for students to increase knowledge and understanding of dance composition elements as they relate to group forms, theme, development, and phrase manipulation. Pre-requisites: DAN 2208 and 2209. Restricted to dance majors.
- 4330 Dance Kinesiology. (3-0) This course is an experiential study of the human body in rest and in motion. Emphasis will be on the skeletal and muscular systems in consideration of applications to dance performance, teaching and creative processes, and injury prevention and rehabilitation.
- 4334 Special Topics in Dance. (3-0) This course is designed to provide opportunities for in-depth exploration of current trends and practices in dance. Prerequisite: upper division standing.
- 4334B Choreographic Influences in Dance (3-0)
- 4350 Musical Concepts for Dance Performance. (3-0) Provides dance majors with a working knowledge of the essential vocabulary of music-rhythm, melody, form and harmony, together with an overview of musical styles throughout both time and geography.
- 4360 Dance Independent Study. (3-0) Designed to give supervised experience to qualified advanced students in dance. Independent study on research problems or actual production problems may be chosen. May be repeated with different emphasis for additional credit.
- 4366 Writing and Reading About Dance. (3-0) Surveys dance literature including an opportunity for students to familiarize themselves with resources, current publications, theoretical materials, and professional organizations in dance. (WI)
- 4367 Advanced Dance Composition: Theory and Practice. (3-0) Students will choreograph, costume, and design lights for a group dance of substantial length, justifying artistic choices in an accompanying documented paper. The results of this course will be a senior dance concert. May be repeated once

for credit. New material will be covered each time taught. Prerequisites: DAN 2208 and 2209; DAN 1191, or PFW 1180H, or DAN 1192, or PFW 1180I.

- 4368 World Dance and Culture. (3-0) This course provides an introduction to the study of dance cultures in diverse contexts around the world. Lectures, group discussions, and writing projects will increase awareness of dance and human movement as cultural knowledge. (WI)
- 4369 Dance in the 20th and 21st Centuries. (3-0) Exposure to a wide variety of literature in the area of dance, the arts and sciences which specifically address the development of dance as an art-form and cultural phenomena in the 20th and 21st Centuries. (WI)
- 4370 BFA Senior Concert. (4-0) A course that provides a practical opportunity to choreograph, perform, and produce a dance concert. Students will engage in the creative, administrative, and promotional aspects of production. Students will also compile a thesis booklet. Pre-requisite: Must be a Senior standing and have completed DAN 2208, 2209 and 3370.

Courses in Theatre (TH)

- 1210 Introduction to Musical Theatre. (2-0) This course focuses on foundations for training for a professional career in musical theatre, with particular emphasis on interview and audition skills.
- 1340 (DRAM 2336) Voice and Diction (3-2) The human voice and the sounds of speech. The student's own voice and pronunciation will be the primary concern, using practice sessions to develop more acceptable patterns of voice and sound.
- 1350 Introduction to Theatrical Design. (3-0) Course introduces the freshman theatre major to the four primary areas of theatrical design: costume design, scenic design, sound design, and lighting design. Each area's practice is explored and analyzed through a series of exercises that incorporate design projects.
- 1354 (DRAM 1322) Movement I. (3-0) Creative movement for the theatre. Designed to stimulate the actor's body to increase flexibility and the kinetic response to environmental stimulus through exercise and research into the physical process.
- 1355 Movement II. (3-0) A continuation of Movement I and the exploration of kinesthetic response for the actor, using movement techniques in class performances and further research into the techniques of Alexander, Feldenkrais, and Laban. Prerequisite: TH 1354.
- 1358 (DRAM 1330) Stagecraft. (3-2) The study and practice of basic theatrical scenery construction which includes the use of power tools, various construction materials, construction techniques and basic stage rigging. Includes laboratory work in conjunction with University Theatre productions.
- 1364 (DRAM 1351) Beginning Acting. (2-1) Classroom exercises designed to explore and discover the actor's inner resources, and to develop the personal awareness of the student's imaginative potential. May be taken by non-majors independently.
- 1365 (DRAM 1352) Intermediate Acting. (2-1) Classroom exercises designed to continue the exploration of the actor's inner resources; additional work on discovering techniques of developing a character. May be taken by non-majors independently. Prerequisite: TH 1364 or equivalent.
- 2111 (DRAM 1120, 1121, 1141, 1161, 1162, 2120, 2121) Theatre Activities (1-1) A course designed to provide credit for participation in theatre activities. May be repeated to a total of four credits.
- 2210 Intermediate Musical Theatre I. (2-0) This course focuses on intermediate interview and audition skills, intermediate personalizing the lyric skills, intermediate marketing skills, and basic scene study skills.
- 2211 Intermediate Musical Theatre II. (2-0) This course focuses on intermediate musical theatre theory and analysis, acting through movement, and scene study of both period and contemporary musical theatre works.
- 2313 (HUMA 1315) Introduction to the Fine Arts. (3-0) An introductory course designed to give the student a fundamental understanding of the creation and appreciation of diverse modes of expression through the visual and performing arts. This course may not be repeated for credit by taking ART 2313, DAN 2313, or MU 2313.
- 2338 (DRAM 2331) Stage Lighting. (3-2) The study and practice of lighting technology and design for theatre. Includes laboratory work in conjunction with University Theatre productions.
- 2354 (DRAM 2351) Characterization. (3-2) A studio acting course in which the student explores and develops techniques of creating a role. Prerequisite: TH 1365 or equivalent.
- 3310 Intermediate Voice. (3-0) Continuing development of the fundamentals of voice and speech for the stage as well as exploring language and text. Practical application through assignments and in-class exercises. Prerequisite: TH 1340.
- 3313 Introduction to Fine Arts. (3-0) This course is designed to give the student a critical understanding and appreciation of the history and principles associated with each of the artistic disciplines of theatre, dance, music and the visual arts. (MC/MP)
- 3315 Interpretive Reading. (3-0) A study of the techniques of the oral interpretation of poetry with an emphasis on performance.
- 3320 History of the Theatre I. (3-0) A study of the theatre and its place in the social and cultural evolution from primitive civilization to 1700. Selected examples of theatre literature are studied. (WI)
- 3321 History of the Theatre II. (3-0) A study of the theatre and its place in the social and cultural evolution from 1700 to the present. Selected examples of theatre literature are studied. (WI)
- 3322 History of Musical Theatre. (3-0) Course examines the history of musical theatre, from its antecedents through its Golden Age to present-day issues. In the process students will study musical theatre's elements and structure, as well as its creators, including major librettists, composers, lyricists, designers, directors, choreographers, and performers.
- 3342 Television/Film Performance. (3-2) A practical laboratory course in television and film performance techniques, including procedures and requirements for professional engagements. May be repeated with different emphasis for additional credit. Prerequisite: TH 1364.
- 3343 Stage Makeup. (3-0) A practical course in developing techniques used in applying stage makeup. Emphasis is placed on painting, and contouring the face to achieve the desired effect. Special projects include fantasy makeup and mask making.

- 3344 Costume Construction. (3-2) A practical approach to building costumes for the stage. Emphasis is on stitching techniques and introductory patterning. Practical experience with university productions required in laboratory.
- 3346 Historical Costume Research. (3-2) A study of clothing, accessories, and customs of selected theatrical periods as an approach to costuming period plays.
- 3355 Playwriting. (3-2) A study of play fundamentals (structure, dialogue, and mechanics), and guidance and discussion of representative plays. Prerequisite: Instructor approval is required prior to enrollment. May be repeated with different emphasis for additional credit.
- 3360 Beginning Stage Combat. (3-0) An introductory course in stage combat. A hands-on approach with emphasis placed upon actor safety, dramatic requirements of the script, and historical accuracy. Repeatable for credit with different emphasis.
- 3364 Acting Realism. (3-2) A studio course emphasizing the theories and methods of Stanislavsky in order to create characters in realistic drama. Prerequisite: TH 2354.
- 3365 Acting Styles. (3-2) Studio course emphasizing historical as well as contemporary theories of acting; includes the presentation of individual acting projects. Prerequisite: TH 2354 or permission of instructor.
- 3367 Theory and Analysis. (3-0) A study of dramatic theory and play analysis for production, including the study of forms, styles, and methods. (WI)
- 3370 Creative Drama. (3-0) Emphasis on process drama theory and using creative drama as both an art form and as a teaching tool. Through class activities, students will develop effective facilitator skills and incorporate innovative strategies for teaching traditional material in non-traditional ways.
- 3390 BFA Pre-Professional Apprenticeship I. (2-4) Intensive work in one of the following career paths: Acting, design, and theatre technologies, costuming. Prerequisite: Formal admission into the Bachelor of Fine Arts Pre-professional Program.
- 4301 Professional Internship. (0-20) This course provides professional hands-on experience in the theatre or film industry. May be repeated once for credit. Prerequisite: Consent of instructor.
- 4310 Theatre Curriculum Development. (3-2) Course builds on a requisite knowledge of basic educational theory and lesson plan structure with an emphasis on developing and implementing a successful Theatre curriculum. Practical and effective strategies for teaching middle school and high school Theatre will be examined.
- 4320 Directing Theatre Activities. (3-0) Designed to assist any teacher in directing theatre activities. During the course, students will direct plays or scenes. May be repeated with different emphasis for additional credit.
- 4330 Special Topics in Theatre. (3-2) A series of courses designed to meet special needs in theatre.
- 4330B Business of Theatre (3-0) An in-depth seminar in the management of theatre and related performing arts organizations. Principles of management, planning, communication, and supervision are applied to operation, production preparation, and performance.
- 4330C Improvisation for the Actor (3-0) This course teaches improvisational skills for actors via the use of theatre games and experiential exercises. This course is repeatable one time for credit.
- 4330D Actor, Artist, Aesthetic (3-0) This course focuses on group and individual created works of art. Students will explore their personal artistic aesthetic and create a piece that will be performed.
- 4330F Singing for the Actor (3-0) This course focuses on developing the vocal instrument and singing skills for actors.
- 4330G Design for Educational Theatre. (3-0) The course consists of three sections covering Scenic Design, Lighting Design and Production Elements. It is intended for Teacher Certification students with the goal of providing the tools to be successful when dealing with limited resources, reduced personnel and challenging theatre venues at their schools. Prerequisite: TH 2338.
- 4330H Technical Theatre Intensive. (3-0) This course provides the technical skills necessary to work effectively as a high school or middle school theatre teacher. It focuses on the facilities, tools, materials and techniques used to build scenery safely and effectively in the modern theatre. Laboratory meetings extend the lecture subjects with practical examples and experiences. Prerequisite: TH 4330G.
- 4330I Theatre Drafting. (3-0) This course is a study of manual drafting techniques for scenery and lighting designers and technicians. It is required for all BFA scenic and lighting students. Prerequisite: TH 2338.
- 4330J Drawing for the Designer. (3-0) This course is a studio class with a focus on drawing for the scenic, lighting, and costume design student. Required of all BFA design majors. Prerequisite: TH 4390.
- 4330K Painting for the Designer. (3-0) This course is a studio class that will explore painting techniques for the theatrical designer. Required of all BFA design majors. Prerequisite: TH 4390.
- 4330L Welding for the Stage. (3-0) This course offers a hands-on study of the principles and practices utilized in the fabrication of steel framed stage scenery for the live entertainment industry. Emphasis will be on safely cutting and welding mild carbon steel using gas metal arc welding. Includes joint design and cost estimation. Prerequisite: TH 3358 or consent of instructor.
- 4332 Theatre in Education. (3-0) This course provides an in-depth examination of Applied Theatre as it is used in a variety of settings, including elementary and middle school classrooms, recreation facilities, and in community outreach programs.
- 4334 Stage Management. (3-0) This is a seminar course in stage management, focusing on organization, techniques, and practices for managing stage productions from initial planning through performance.
- 4338 Lighting Design. (3-2) Lighting design is a continuation of the principles covered in Stage Lighting. This course will concentrate primarily on the aesthetics of stage lighting, and will cover such topics as: viewer psychological and physiological responses as they pertain to visual perception; color, script analysis; use of light in creating both static and dynamic visual compositions; development and graphic representation of a theatrical lighting design. Prerequisite: TH 2338. May be repeated with different emphasis for additional credit.
- 4340 Business of Film. (3-0) This course focuses on how film projects are put together, from development to production, with

- an emphasis on job opportunities that are available in the film industry. Where applicable, working professionals are brought in as guest lecturers to provide a hands-on perspective of working in the film industry.
- 4341 Short Film Development. (3-0) This course focuses on the essential elements that go into the pre-production phase of developing a short film project. Emphasis is on script research, writing, budgeting, scheduling, finance, and development.
- 4345 Costume Design. (3-2) A study of the principles and elements to relate to designing theatrical costumes. Includes experience in research as well as developing drawing and rendering techniques. May be repeated with different emphasis for additional credit.
- 4346 Advanced Costume Design. (3-0) Continued development of costume design skills. Includes research as well as advanced drawing and rendering techniques. Repeatable for credit with different emphasis. Prerequisites: TH 3344 and 4345.
- 4347 Advanced Costume Construction. (3-2) An advanced course in building costumes for the stage. Advanced techniques in sewing as well as pattern design and drafting is included. Repeatable for credit with different emphasis. Prerequisite: TH 3344.
- 4355 Scene Painting (3-2) Theory and practice of scene painting for the theatre, with hands-on projects implementing various scene-painting techniques. Students will also have the opportunity to work as scenic artists on departmental productions.
- 4356 Advanced Theatre Drafting. (3-2) A study of computer techniques and procedures used in the preparation of design and technical drawings for theatrical drafting. Prerequisite: TH 4390 or permission of instructor.
- 4357 Scene Design. (3-2) A study of scene design for theatre, focusing specifically on process of scenic designer with practical assignments including renderings and scaled models. Prerequisites: TH 1358 or permission of instructor.
- 4360 Problems in Theatre. (3-0) Designed to give supervised experience to qualified advanced students in theatre history, playwriting, directing, acting, technical, or other theatre problems. Research problems or actual production problems may be chosen. May be repeated with different emphasis for additional credit. (MC)
- 4361 Dialects For Actors. (3-2). A study of the International Phonetic Alphabet and other vocal techniques used to create vocal variations such as regional, national, and international dialects. Prerequisite: TH 3310.
- 4363 Directing For Film. (3-2) An in-depth examination of directing theories and procedures for film with practical filming and editing exercises.
- 4364 Directing I. (3-2) A study of the fundamentals of directing with practical experience provided by directing scenes. (WI)
- 4365 Directing II. (3-2) A study of directing different dramatic styles. Students will direct a one-act play during regular semesters. Prerequisite: TH 4364. (WI)
- 4370 Children's Theatre. (3-0) Continuation of Creative Dramatics, and the theory and practice related to all phases of producing plays for and with young people through junior high school age. Practical experience in a University production as required for one semester. May be repeated with different emphasis for additional credit.
- 4372 Theory and Practice of Dramaturgy. (3-0) Study of the practical application of historical research and textual analysis in the production of period plays and new works. Emphasis upon the dramaturg as an instrument of collaboration between members of the artistic team and as a facilitator of audience outreach. Prerequisite: TH 3367.
- 4390 BFA Pre-Professional Apprenticeship II. (3-2). Intensive laboratory work in individual and group theatre methods for the actor, designer, or technician. Each apprenticeship from BFA II to V will focus upon a specific theatrical discipline for the actor, i.e. advanced vocal work, music theatre, performing Shakespeare, performing new scripts, advanced movement techniques, and further development of internal process.
- 4391 BFA Pre-Professional Apprenticeship III. (3-2). A continuation of laboratory work for the actor. Each apprenticeship from BFA II-V will focus on a specific theatrical discipline for the actor, i.e. advanced vocal work, music theatre, performing Shakespeare, performing new scripts, advanced movement techniques, and further development of the internal process.
- 4392 BFA Pre-Professional Apprenticeship IV. (3-2). A continuation of laboratory work for the actor. Each apprenticeship from BFA II-V will focus on a specific theatrical discipline for the actor, i.e. advanced vocal work, music theatre, performing Shakespeare, performing new scripts, advanced movement techniques, and further development of the internal process.
- 4393 BFA Pre-Professional Apprenticeship V. (3-2). A continuation of laboratory work for the actor. Each apprenticeship from BFA II-V will focus on a specific theatrical discipline for the actor, i.e. advanced vocal work, music theatre, performing Shakespeare, performing new scripts, advanced movement techniques, and further development of the internal process.
- 4601 Professional Internship. (0-40) This course provides professional hands-on experience in the theatre or film industry; it is intended for students who do a full-time internship over the summer or during the fall or spring semesters. Prerequisite: Consent of instructor.

College of Health Professions

DEAN

Ruth B. Welborn, Ph.D.
Health Professions Building 201
T: 512.245.3300 F: 512.245.3791
www.health.txstate.edu

ASSOCIATE DEAN

Barbara Sanders, Ph.D.

ASSOCIATE DEAN

Marla Erbin-Rosemann, Ph.D.

DEPARTMENT CHAIRS/ PROGRAM CHAIRS/SCHOOL DIRECTORS

Clinical Laboratory Science—David Falleur, M.Ed.
Communication Disorders—Maria Diana Gonzales, Ph.D.
Health Administration—Michael Nowicki, Ed.D.
Health Information Management—Sue Biedermann, M.S.H.P.
Nursing—Marla Erbin-Rosemann, Ph.D.
Physical Therapy—Barbara Sanders, Ph.D.
Radiation Therapy—Ronnie Lozano, M.S.R.S.
Respiratory Care—Gregg Marshall, Ph.D.

ACADEMIC ADVISING CENTER

Health Professions Building 207
T: 512.245.3506 F: 512.245.1615
www.health.txstate.edu

The College of Health Professions prepares students for careers in the healthcare field. Through its professional, technical, clinical and academic programs, the college serves as an advocate for change and technical improvement in the field. The college also serves as a catalyst to expand and improve public perceptions of healthcare.

Undergraduate programs are available in clinical laboratory science, communication disorders, healthcare administration, health information management, nursing, radiation therapy, and respiratory care. Graduate programs are offered in communication disorders, healthcare administration, healthcare human resources, health services research, and physical therapy. The college has a number of cooperating teaching sites and more than 600 affiliations with hospitals and other healthcare facilities.

A number of programs offered in the College of Health Professions have specific admission requirements in addition to Texas State admission requirements. Most programs also have requirements for student liability insurance and immunizations. Background checks and drug testing may be required.



Academic Advising Center

The mission of the College of Health Professions Academic Advising Center is to provide academic advising which supports undergraduate students seeking admission to a health professions program offered in the College of Health Professions. The Center also prepares degree audits for all undergraduate students in the College of Health Professions, and in coordination with the Dean's Office, verifies graduation.

Clinical Laboratory Science Program

Health Professions Building 350-B
T: 512.245.3500 F: 512.245.7860
www.txstate.edu/cls

DEGREE PROGRAM OFFERED

BSCLS, major in Clinical Laboratory Science

The Bachelor of Science in Clinical Laboratory Science with a major in Clinical Laboratory Science prepares students to function as clinical laboratory scientists or medical technologists in a wide variety of settings from physician office laboratories to modern tertiary care hospital laboratories. The clinical laboratory scientist can become an indispensable top-level laboratory worker, a supervisor, a specialist, a researcher, or an educator.

The requirements during the first two years of study include courses in biology, chemistry, and mathematics, along with courses in the humanities and social and behavioral sciences. The junior and senior years combine clinical experiences in the affiliated clinical laboratories with advanced academic study in the CLS disciplines.

The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences. Graduates of the program are eligible to take the national certification examination given by the Board of Registry of the American Society of Clinical Pathologists and/or the National Certification Agency.

Admission Process

Students are selected in the spring semester of their sophomore year for the junior class. Because of the limited number of students that can be accepted for the junior class, students are encouraged to maintain an overall GPA above 2.50. Acceptance into Texas State and declaration as a clinical laboratory science major does not imply that the student will be accepted into the junior class. The criteria for student selection for the junior class includes scholastic ability, particularly in the sciences, and a personal interview, and not on the basis of gender, race, color, religion, veteran status or condition of disability, or national origin. Applications for the junior class must be submitted by March 1. Applicants will be notified of their status by April 1.

Liability Insurance

1. Students who participate in the internship portions of the Clinical Laboratory Science program are required to purchase liability insurance, or demonstrate proof that they are insured.
2. Students may obtain information on liability insurance from the program office.

Immunization Requirements

It is a policy of the College of Health Professions that each student must provide a Health Report completed by a physician, and must take certain immunizations before the student can be placed in a clinical or internship assignment. Information on these requirements and forms to be supplied may be obtained through the program office.

Background Check

The CLS program requires that students pass a criminal background check before placement in a clinical rotation. The background check is completed prior to clinical assignments. Please refer to <http://www.txstate.edu/cls/backgroundcheck.htm> for more information.

Bachelor of Science in Clinical Laboratory Science Major in Clinical Laboratory Science Minimum required: 137 semester hours							
General Requirements: 1. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language. 2. Any student who did not complete one year of general computer science (literacy) course in high school is required to take a placement course, CLEP, or college course work. 3. See University College section of the catalog for course options that satisfy literature, natural science, and social science components.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BIO 1430, 1431	8	BIO 2430, 2450, 2400 or 2440	12	ART, DAN, MU, or TH 2313	3	CLS 4322, 4326	6
CHEM 1341, 1141, 1342, 1142	8	CHEM 2130, 2330, 2150, 2350	8	HP 3302	3	CLS 4227, 4318, 4440, 4460	13
ENG 1310, 1320	6	COMM 1310	3	CLS 3305, 3410, 3323, 3412, 3424	18	CLS 4340, 4341, 4370, 4463	13
MATH 1315	3	ENG Literature	3	Social Science Component	3	CLS 4225, 4361, 4464	9
US 1100	1	PHIL 1305 or 1320	3				
HIST 1310, 1320	6	POSI 2310, 2320	6				
PFW two courses	2						
Total	34	Total	35	Total	27	Total	41

Courses in Clinical Laboratory Science (CLS)

3305 Introduction to Clinical Laboratory Techniques. (2-3)
Clinical Laboratory Science students will be introduced to techniques, procedures, and instrumentation commonly used in clinical laboratories.

3323 Clinical Microscopy and Analysis of Body Fluids. (2-3)
Study of body fluids present in the various anatomical compartments of the body as they differ in health and disease. Physical and chemical tests, and microscopic examination of select body fluids are performed.

3410 Clinical Chemistry I. (3-4) Designed to acquaint the clinical laboratory science student with some of the concepts, techniques, procedures, and instrumentation used in clinical chemistry.

3412 Hematology/Coagulation I. (3-4) Qualitative and quantitative evaluation of formed elements of the blood and studies in coagulation abnormalities. Prerequisites: BIO 2340, 2350, or 2430.

3424 Clinical Immunology. (3-3) Principles of immune response and underlying immunologic procedures of diagnostic value are discussed. Lectures and laboratory emphasize detection, identification, nature of antigens and antibodies, and the antigen-antibody reactions encountered.

4225 Laboratory Management and Supervision. (2-0) Lectures and discussions of general principles of management and supervision of the clinical laboratory and its personnel. (WI)

4227 Introduction to Clinical Practice. (2-0) Discussion of professional and technical requirements for clinical laboratory science students and their role and responsibilities as a unit of the health care team. (WI)

4318 Hematology II. (2-3) In-depth study of theoretical and practical aspects of clinical hematology and hemostasis with emphasis on principles, methodology, problems encountered, and clinical applications.

4321 Directed Study in Clinical Laboratory Science. (2-6) An in-depth study of a narrow range of topics or a related problem in the clinical laboratory sciences. Topics to be announced; may be repeated for credit when topics vary.

4322 Computer Applications in Clinical Laboratory Operations, Management and Research. (1-4) Study of clinical laboratory computer systems and programs utilized in quality assurance, data management and statistical analysis. (WI)

4326 Medical Parasitology. (2-3) Lecture and laboratory instruction in medically important parasites producing disease in humans with emphasis on epidemiology, life cycles, identifying characteristics, and pathology of these parasites.

4340 Clinical Microbiology II. (2-3) Study of medically important fungi, viruses, chlamydiae, rickettsiae, and advanced topics in clinical microbiology. Automated identification of microorganisms, database management, and epidemiologic techniques will be discussed.

4341 Molecular Diagnostics. (2-3) This course consists of an introduction to the principles, methodologies and applications of molecular diagnostic procedures used in clinical laboratories. Emphasis is placed on the procedures used in the identification of infectious agents that cause human disease, in the diagnosis of inherited diseases, and the diagnosis of cancer.

4342 Clinical Diagnosis of Emerging Infectious Diseases. (3-0)
This lecture course focuses on the clinical and laboratory

diagnosis of emerging and reemerging infectious diseases. Selected diseases may include historically known agents such as influenza, HIV, and tuberculosis; as well as Ebola, West Nile Virus, SARS, and anthrax. Prerequisite: BIO 2400 or 2440. (MC)

4343 Bioterrorism, A Clinical and Laboratory Perspective. (3-0)
This lecture course examines the impact of bioterrorism through the perspectives of the clinical laboratory and the role of medical workers in preparedness and response. Speakers with professional responsibilities in areas of public health response, select agent biology, diagnosis and disease management, and public policy will share their perspectives on bioterrorism. Prerequisite: BIO 2400 or 2440.

4344 The Molecular Aspects of Cancer. (3-0) Examines the molecular basis of cancer, and how environmental and hereditary factors cooperate to elicit the transformed phenotype and promote cancer progression. Emphasizes specific cancer types for which a molecular basis has been identified. Both the clinical aspects and experimental strategies that reveal underlying mechanisms are discussed.

4361 Research Methods in Clinical Laboratory Science. (2-3) Directed independent research covering the principles of research and development of clinical laboratory methodology. (WI)

4370 Clinical Chemistry II. (2-3) A study of the theoretical and practical aspects of clinical chemistry. Manual and automated laboratory procedures for quantitative analysis of various body fluids.

4440 Clinical Microbiology I. (3-6) Study of pathogenic and non-pathogenic bacteria, fungi, and viruses with special emphasis on methods of isolation from body fluids, cultural and differential biochemical characteristics of body pathogens.

4460 Immunohematology. (3-4) Study of theoretical and practical consideration of major blood groups with emphasis on grouping and typing, antibody detection and identification, compatibility testing and component therapy in blood transfusion service.

4463 CLS Clinical Practice I. (0-16) Structured clinical experience assigned on an individual basis for observation, study, and practical application of techniques and methodology in the clinical laboratory.

4464 CLS Clinical Practice II. (0-16) Continuation of Clinical Laboratory Science Practice I; structured clinical experience assigned on an individual basis for observation, study and practical application of techniques and methodology in the clinical laboratory.

Department of Communication Disorders

Health Professions Building 150B
T: 512.245.2330 F: 512.245.2029
www.health.txstate.edu/CDIS

DEGREE PROGRAM OFFERED

BSCD, major in Communication Disorders

The Department of Communication Disorders provides undergraduate students with the academic background to successfully enter a graduate program in speech-language pathology or audiology. The undergraduate curriculum provides knowledge in normal and disordered speech, language, swallowing and hearing processes. Coursework in the major is supported by additional courses in psychology, counseling, biology, physics, and statistics.

The Department prepares students at the graduate level to diagnose and manage speech-language problems in children and adults. A master's degree is required for state licensure and national certification. The graduate program is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology.

Admission Process

Students are initially considered Pre-professional Communication Disorders majors (Major code: 760.99). Under this designation, the student is expected to complete the requirements for admissions into the Junior/Senior sequence and the Communication Disorders Major (Major code: 760.10). The Pre-professional Communication Disorders majors take all the 1000-level and 2000-level courses listed on the degree plan in addition to Psychology 3300: Lifespan Development and Health Professions 3302: Biostatistics.

Admission to the Junior/Senior-level courses and the Bachelors of Science Degree in Communication Disorders (Major code: 760.10) is competitive and selective. Enrollment is limited by student/faculty ratios in both academic and clinical components of the program.

To be considered for admission to the Junior/Senior-level courses and the Bachelor of Science Degree in Communication Disorders (Major code: 760.10), the following is required:

1. Completion of a minimum of 50 hours of coursework from the 1000-level and 2000-level courses listed on the CDIS Undergraduate Degree Plan plus PSY 3300 and HP 3302. The 50 hours must be completed by the end of the Summer 1 session in the same calendar year in which the student wishes to begin the Junior/Senior sequence.
2. The following courses must be taken in the 50 hours:
 - a. PHYS 1310: Elementary Physics
 - b. CDIS 1331: Introduction to Communication Disorders
 - c. BIO 2430: Human Anatomy and Physiology
 - d. HP 3302: Biostatistics
 - e. PSY 3300: Lifespan Development
3. A minimum GPA of 2.75 on the five specific courses listed above. These classes must be completed by the end of the

Summer 1 session in the same calendar year in which the student wishes to begin the Junior/Senior sequence.

- 4) A minimum grade of C in support and major classes listed as part of the freshman/sophomore years on the Degree Plan (HIM 2360: Medical Terminology; BIO 2430: Human Anatomy and Physiology; HP 3302: Biostatistics; PSY 3300: Lifespan Development; CDIS 1331: Introduction to Communication Disorders.

Students are ranked by their GPA in the five required classes (CDIS 1331, HP 3302, PHYS 1310, PSY 3300 and BIO 2430) and admittance in the Junior/Senior year is based on this ranking. Admission is competitive and the minimum GPA is a requirement for applying only. Having the minimum GPA does not guarantee acceptance into the program. Not all students who meet the minimum GPA will be accepted.

The application for admission is submitted to either the department or to the CHP Advising Center by May 15th. Admission decisions are made after the end of Summer 1. All students will be notified by letter of the CDIS Undergraduate Admission Committee's decisions. Student selection is made on academic performance and not on the basis of race, color, religion, gender, age, or national origin.

CDIS Progression and Repeat Course Policy

1. The Junior/Senior-level courses (Bachelors of Science Degree in Communication Disorders Major code: 760.10) academic sequence begins during the fall semester only.
2. Courses must be taken in sequence identified in the catalog.
3. After admission into the Junior/Senior sequence, failure to enroll in all of the recommended CDIS courses for that semester as identified by an advisor in conjunction with the Degree Plan will delay graduation at least a year.
4. CDIS students must receive a grade of "C" or higher in each CDIS class. If a grade below "C" in a junior- or senior-level CDIS courses is earned, the student will not be allowed to continue as a Communication Disorders major and must change majors to something other than CDIS. This change will be done in conjunction with the student's CDIS academic advisor and the College of Health Professions' Advising Center.
5. Make no less than a "C" in support courses.
6. Have a GPA of 2.75 in the major in order to graduate.
7. If a student has not earned the minimum major requirement of 2.75 for graduation and earned "C" or higher in all CDIS courses, the student will be allowed to re-take a CDIS courses only until the student achieves the GPA of 2.75. CDIS students are NOT permitted to re-take CDIS courses if they have earned Cs or higher in the courses.

Liability Insurance

1. Students who participate in the clinical or internship portions of the Department of Communication Disorders are required to purchase liability insurance or demonstrate proof that they are insured.
2. Students may obtain information on liability insurance from the departmental office.

Bachelor of Science in Communication Disorders
Major in Communication Disorders
Minimum required: 120 semester hours

General Requirements:

1. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.
2. If the computer proficiency requirement is not met through high school coursework, the student will be required to take a computer science course.
3. If the students want to apply to the graduate bilingual cognate in communication disorders, it is highly recommended that they take Spanish 3310 (Spanish Phonetics and Phonemics).

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	BIO 2430	4	CDIS 3325, 3312, 3459	10	CDIS 4317, 4330, 4340, 4344	12
CDIS 1331	3	ART, DAN, MU, or TH 2313	3	CDIS 3462, 3469, 3475	12	CDIS 4350, 4370, 4420, 4466	14
ENG 1310, 1320	6	ENG Lit. (2310, 2320, 2330, 2340, 2359, or 2360)	3	COUN 3320	3	PSY 4342 or PSY 3350	3
US 1100	1	HIM 2360	3	ENG 3303	3		
HIST 1310, 1320	6	PSY 3300	3				
MATH 1315	3	PHYS 1110, 1310	4				
PSY 1300	3	POSI 2310, 2320	6				
PFW two courses	2	HP 3302	3				
BIO 1421	4	PHIL 1305 or 1320	3				
Total	31	Total	32	Total	28	Total	29

Courses in Communication Disorders (CDIS)

1331 Introduction to Communication Disorders. (3-0) Study of speech, hearing, and language development and its disorders; descriptions of communicative disorders and their etiologies for the speech-language pathologist, health professional, and classroom teacher.

3312 Neuroanatomy for Communication Disorders. This is a lecture course that examines the organization of the brain, spinal cord, and peripheral nervous system. Significance of the areas of the nervous system that are primary or secondary for speech, language and hearing are the main focus of this course.

3325 Anatomy and Physiology of the Speech Production System. (3-0) Description of structure and function of the speech production system with emphasis on physical problems in speech, language, and hearing.

3459 Phonemics and Phonetics. (3-1) Analysis of normal and abnormal phonological processes in children and adults. Proficiency in transcription using the alphabet of the International Phonetic Association emphasized.

3462 Remediation of Articulatory and Phonological Disorders. (3-2) This course prepares students to manage articulation and phonological disorders. Current therapeutic models are reviewed. Observation of therapy and instruction in preparation of written clinical reports are required. Prerequisites: CDIS 3325, and 3459. (WI)

3469 Introduction to Hearing Science. (3-2) Study of acoustics, auditory physiology and perception of sound. Includes discussion of auditory sensitivity, signal detection, psychoacoustic methods, perception of pitch and loudness, binaural hearing and speech perception. Associated laboratory promotes reinforcement of concepts addressed in lecture through review, problem solving and weekly assignments.

3475 Speech Science. (3-2) Normal processes of speech production will be addressed from anatomic, physiologic, kinematic, aerodynamic, acoustic, and perceptual perspectives.

Measurement and analysis techniques, instrumentation, and experimental paradigms used to study speech production and perception will be emphasized. Prerequisites: CDIS 3325 and 3459.

4301 Selected Topics in Communication Disorders. (3-0) In-depth study of selected topics in Communication Disorders for the exceptionally motivated student. Work done on an independent basis with faculty member and only with prior departmental permission.

4317 Service Delivery in Communication Disorders. (3-0) Provides a foundation of clinical management to prepare CDIS students to work in a variety of settings. Emphasis will be placed on techniques of goal and objective sequencing, report writing, evaluation of services, ethics, and interdisciplinary collaboration. Prerequisites: CDIS 3459, 3462 or 4466 or 4350 and 4330. (WI)

4330 Speech and Language Development. (3-0) Course to acquaint students with acquisition of speech and language in children. Basic information from linguistics, psycho-linguistics, psychology, and communication are examined for children in various stages of development.

4340 Augmentative Communication Systems. (3-0) Designed to review methods of non-oral communication as applied to hospital, rehabilitation, and school settings. Use of electronic communication systems emphasized. Prerequisites or co-requisites: CDIS 4330.

4344 Clinical Practicum in Communication Disorders. (1-4) Supervised clinical practicum in speech-language pathology. Must be taken each semester student participates in any supervised clinical practicum in speech-language pathology. Prerequisites: CDIS 1331, 3459, 3462 or 4466, 4330. (Concurrent registration in 4330 acceptable).

4350 Survey of Neurogenic Communication Disorders. (3-0) This course provides an introduction to acquired speech, language, cognitive and swallowing disorders resulting from

brain injury. Basic neuroanatomy and physiology are reviewed, followed by discussion of the etiology, diagnosis, treatment, and prognosis of these disorders. Emphasis is placed on aphasia, dysarthria, apraxia of speech, right hemisphere syndrome, traumatic brain injury, dementia, and dysphagia. Prerequisite: CDIS 3312.

4370 Aural Rehabilitation. (3-0) Principles and procedures in the habilitation and rehabilitation of hearing impaired children and adults. Prerequisites: CDIS 4420. (MC) (WI)

4420 Introduction to Audiology. (3-2) Relates anatomy and physiology of the auditory system and the science of acoustics to the study of normal and pathological auditory function. Laboratory experience in administration and interpretation of audiological tests. Discussion of professional opportunities in the field of audiology and provision of audiological service to special populations. Prerequisite: CDIS 3469. (MC)

4466 Clinical Management of Language Disorders. (4-2) Study of principles and procedures for the identification, description, assessment and remediation of language disorders in infants, children, and adolescents. Students will observe demonstrations of assessment procedures and types of language disorders within the context of clinical procedures. Describing observed behaviors and analyzing language samples will be emphasized. Prerequisite: CDIS 4330.

School of Health Administration

Health Professions Building 250
T: 512.245.3494 F: 512.245.8712
www.health.txstate.edu/HA

DEGREE PROGRAM OFFERED

BHA, major in Healthcare Administration

MINOR OFFERED

Healthcare Administration

The Healthcare Administration major integrates healthcare management theory and practice, and prepares graduates to assume entry to mid/level management positions in a variety of healthcare settings. These settings include health maintenance organizations (HMO's), physician group practice, hospitals, insurance companies, clinics, and medical offices. Healthcare administrators manage employees, prepare and maintain budgets, procure resources and perform other administrative functions so that the clinical professionals can provide their services. The major is certified by the Association of University Programs in Health Administration.

Admission

Any student in Texas State may declare Pre-Healthcare Administration as the major. To declare Pre-Healthcare Administration as a major, contact the School Administrative Assistant.

Pre-Healthcare Administration majors meeting the following criteria will be admitted to the BHA Program:

- Completion of prerequisite courses
- 2.75 Texas State GPA
- Submission of an application to the BHA Program
- Submission of a statement of purpose
- A passing score on the GSP (grammar, spelling, and punctuation) test (70% or higher)
- A grade of "C" in MATH 1315 or equivalent

Field Experience and Graduation

To be eligible to enroll in the HA internship or residency courses (HA 4440, 4441, or 4848), the student must:

- a. For HA 4440 or 4441, have completed all general education and junior year HA courses with a minimum grade of "C" and have a 2.25 GPA or better in the HA courses.
- b. For HA 4848, have completed all other coursework towards the degree, have a minimum grade of "C" in all HA courses, and have a 2.25 GPA or better in the HA courses.

To graduate with a BHA degree, a student must:

- a. Complete all required courses.
- b. Have a grade of "C" or higher in each major course.
- c. Have a 2.00 Texas State GPA or better and 2.25 GPA or better in the major.
- d. Have met University residence requirements.
- e. Pass a comprehensive exam administered in HA 4141.

Repeat Policy

All HA students must maintain a minimum major (HA) GPA of 2.25 with no grade below a "C". Students are allowed to repeat each HA course once, and only once, in order to improve their major (HA) GPA or their grade in a particular course. A student having repeated a course and still not achieving a minimum grade of "C" will not be allowed to continue as a healthcare administration major. Therefore, students needing to repeat courses are encouraged to seek assistance from the instructor or a director-appointed mentor.

Exit Exam

All healthcare administration majors are required to take a exit exam, over the major administered in HA 4141, prior to graduation. Questions for the exit exam will be taken from all the healthcare administration (HA) courses. Students are encouraged to save all course material (textbooks, syllabi, class notes, etc.) to use in preparing for the exam.

Liability Insurance

1. Students who participate in the internship portion of the Healthcare Administration program are required to purchase liability insurance or demonstrate proof that they are insured.
2. Students may obtain information on liability insurance from the school office.

Immunization Requirements

It is a policy of the College of Health Professions that each student must provide a Health Report completed by a physician, and must take certain immunizations before the student can be placed in a clinical or internship assignment. Information on these requirements and forms to be supplied may be obtained through the school office.

Bachelor of Healthcare Administration Major in Healthcare Administration Minimum required: 120 semester hours							
General Requirements: 1. A 2.75 Texas State GPA is required for program admission. 2. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language. 3. See University College section of the catalog for course options that satisfy literature, natural science, and social science components.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	ART, DAN, MU, or TH 2313	3	HA 3309, 3324, 3315, 3375	12	HA 3345, 4304, 4305, 4307	12
ENG 1310, 1320	6	ECO 2301 or 2314	3	HA 3329, 3340, 3341, 3376	12	HA 4315, 4320, 4325	9
US 1100	1	ENG Literature	3			HA 4141	1
HIST 1310, 1320	6	HA 3308	3			HA 4440	4
MATH 1315	3	HP 3325, SOCI 3307, or equivalent	3			HA 4441	4
PHIL 1305 or 1320	3	HP 2351 or CIS 1323 or CS 1308	3				
PFW two courses	2	POSI 2310, 2320	6				
Social Science Component	3	Electives/Minor	8				
Natural Science Component	7-8						
Total	34-35	Total	32	Total	24	Total	30

Minor in Healthcare Administration

The Healthcare Administration minor is designed to complement the student's major with the objective of providing an introductory curriculum, which can assist the student in gaining employment in healthcare and healthcare related career fields. This objective can be achieved by: building on general education core foundations; offering scheduling flexibility for non-traditional students; introducing students to health services management functions through the mastery of certain skills including communication, decision-making, and coordination, unique to healthcare administration; and preparing students for graduate study. The minor requires 18 hours including a 9-hour core of required courses, HA 3308, 3324, and 4307, and 9 hours of electives chosen from HA 3309, 3315, 3329, 3375, 4304, 4305, and 4315.

Courses in Healthcare Administration (HA)

- 3308 Healthcare Organization. (3-0) Overview of the healthcare system and the role hospitals have played and continue to play in the future. Analysis of organizational structure of a hospital and other healthcare agencies, administrative and management elements necessary for policy determination, decision making, and control to achieve institutional goals and objectives.
- 3309 Ethics in the Health Professions. (3-0) This course introduces the student to a sound foundation in well-established ethical theories and a familiarity with terms, concepts and issues in ethics as applied to the health professions. Also provides practical methods for proceeding from considered reflection to informed action in solving ethical problems.
- 3311 Independent Study in Healthcare Administration. (3-0) An in-depth study of a single topic or problem confronting the healthcare industry. This course affords the student an opportunity to focus on a topic/problem or group of related problems impacting healthcare managers. This course may be repeated for credit with a different emphasis.

- 3315 Healthcare Administration History, Culture, and Language. (3-0) An introduction to the historical and cultural development of modern healthcare administration in contemporary American society. Special attention is given to the mores of health services delivery including critiques and use of professional behavior and language. (MC)
- 3324 Supervisory Management for Healthcare Managers. (3-0) Introduction to the following functions of supervisory management: planning, organizing, staffing, influencing, and controlling; as well as the connective processes of decision-making, coordinating, and communicating in healthcare organizations. (WI)
- 3329 Human Resources in Healthcare Management. (3-0) Human resource management as applicable to the healthcare field. Human resource planning, staffing, job requirements, job descriptions, sources of labor supply, training and education programs, salary administration, employee communications, legal considerations, union-management relations. Prerequisite: HA 3324.
- 3340 Management of Health Information Systems. (3-0) Provides an introduction to information systems for healthcare facilities and agencies. Covers determining what information is needed by whom; designing information flows, procurement of computer/telecommunication resources, assuring information security, and continuing management of information systems supporting healthcare delivery.
- 3341 Training and Professional Development in Healthcare. (3-0) This course examines the training and professional development processes as applied to the healthcare industry. Emphasis is placed on staff developments, need analysis, task analysis, development of training and continuing education programs for healthcare personnel. (WI)
- 3345 Employment Law in Healthcare Management. (3-0) Examines the legal aspects of healthcare human resource management. Each of the major federal and state enactments

- impacting human resource management will be studied in depth. Prerequisite: HA 3329.
- 3375 Principles of Accounting for Healthcare Managers. (3-0) Provides an introduction to accounting useful in healthcare facilities and agencies, and demonstrates the application of accounting principles and techniques in the healthcare field. Prerequisites: ECO 2301 or 2314 and HP 3302 or equivalent.
- 3376 Financial Management for Healthcare Managers. (3-0) A concentration in the fundamentals of healthcare financial management including the financial organization of non-profit facilities, sources of operating revenue, management of working capital, and the allocation, control and analysis of resources. Prerequisites: ECO 2301, HA 3375 or approval of instructor.
- 4121 Problems in Healthcare Administration. (1-0) In-depth study of a singular problem considered to be of immediate concern to the health care industry. Special emphasis is placed on problems unique to managers in the field of health administration. May be repeated with permission of department chair.
- 4141 Healthcare Comprehensive Exam and Review. (1-0) A course in which each of the respective faculty will review their portion of the comprehensive examination that all HA majors are required to successfully pass during their final semester of study. The comprehensive exam will be administered at the conclusion of the course.
- 4221 Problems in Healthcare Administration. (2-0) In-depth study of a narrow range of topics considered to be of immediate concern to the health care industry. Special emphasis on problems unique to managers in the field of health administration. May be repeated with permission of department chair.
- 4303 International Health. (3-0) An examination of various approaches used by international health systems related to organization, delivery, financing, development of resources, planning, and regulation. Course will give attention to changing ideologies and values of various countries as they relate to health care. (MC) (WI)
- 4304 Patient Care Management and Quality Improvement in Health Care. (3-0) This course is a comprehensive study of integrated delivery systems and managed care organizations. It includes an analysis of managed care operations, reimbursement, legal and regulatory issues, consumer driven health care, medical management, quality management, cultural competence, patient safety, behavioral health care, Medicare and Medicaid managed care, and healthcare reform. (MC/MP)
- 4305 Healthcare Services Marketing. (3-0) The course applies the principles of services marketing to healthcare organizations. The course will present tools to identify and close the gaps that exist between customer expectation of services and the services provided and to ensure quality of health care.
- 4307 Essentials of Healthcare Law. (3-0) This course includes a review of the laws pertaining to healthcare institutions, physicians, and other healthcare workers who contribute to patient care. Tort and contract law are emphasized. The course addresses policy issues and ethics through topics like patient rights, reproduction, and end of life decisions.
- 4311 Cost Accounting for Healthcare Organizations. (3-0) A study of the cost accounting methods and techniques appropriate to the healthcare industry. The focus is on the control and measurement of costs, budgeting practices, and the generation of financial information to aid in supervisory and managerial decision making. Prerequisite: HA 3375.
- 4312 Materials and Logistics Management for Health Services. (3-0) Study of materials and logistics management for health services. Cost and control of goods, services, and equipment has a significant impact on the viability of the healthcare business. Students will learn how to apply qualitative measures to control, analyze, and manage inventory, purchases, supplies and capital equipment purchases. Prerequisites: HA 3308 and 3375.
- 4315 Health Services Problem Solving and Decision Making. (3-0) An introduction to methodologies used to seek solutions to health administration problems which affect technical and professional personnel. Designed to place emphasis on techniques most directly applicable to models of administration and management decision making.
- 4320 Seminar in Healthcare Administration. (3-0) Current trends and problems in health administration affecting health administration technical and professional personnel. Designed to place emphasis in selected areas of administration and management. Research paper and presentation is required of each student. Prerequisites: HA 3308, 3329, 3341, and 3375. (WI)
- 4325 Healthcare Strategic Management. (3-0) This capstone class integrates accounting, finance, marketing, MIS, and organizational behavior in the creation of sustainable competitive advantage. Health care case studies will be used to illustrate key concepts.
- 4440 Practicum Internship A. (0-16) Students with specialization in management participate in a health services based practicum. Experiences in providing opportunities for observation, participation, and practical application of administrative or management skills in the institutional setting are required. Prerequisites: Must have a 2.25 major GPA and have completed all junior year major courses.
- 4441 Practicum Internship B. (0-16) Studies tailored to particular interests and needs of individual students. A variety of experiences may be used to enrich the program for students with special needs or demonstrated competencies. Prerequisite: Final semester of study.
- 4848 Healthcare Administrative Residency. (0-40) Designed for students who have limited or no previous background in healthcare management/administration. Includes rotation through selected major departments, culminating in a major project. Prerequisite: Final semester of study.

Courses in Health Professions (HP)

- 1310 The Health Care System and Professionals. (3-0) Comprehensive study of the professional fields, their relationship to each other, and professional responsibilities. Structure of health care system including hospital organization, health care agencies, role of the government, and professional ethics.
- 2310 Contemporary Issues in Health Care. (3-0) This course is an introduction to contemporary issues in health care important to both future health professionals and informed health

care consumers. Course activities will focus on solutions to problems of access, quality, and cost. May be repeated for credit with different emphasis.

- 2351 Application of Computers in the Health Professions. (2-1) An introduction to computer applications important to health care including both common and specialized medical software. Common computer applications are introduced using projects and data resources from a healthcare environment. Students also examine specialized medical applications such as the National Library of Medicine, healthcare Internet resources, and telemedicine.
- 3302 Biostatistics. (2-2) The course introduces major statistical concepts and procedures as applied to clinical science students with an emphasis on inferential statistics. Topics include: descriptive statistics, hypothesis testing, comparison statistics, relationship statistics, association statistics, and beginning epidemiological ratios. Students are introduced to major statistical packages. Prerequisite: MATH 1315 or 1319.
- 3311 Problems in Health Services. (3-0) An examination, through independent study, of an emerging trend or issue important to the future of health care. Topics may vary from semester to semester, and the course may be repeated for credit with a different area of study.
- 3325 Healthcare Statistics (3-0) The course introduces major statistical concepts and procedures as applied to healthcare administration students with an emphasis on descriptive statistics. Topics include: healthcare statistical terminology, descriptive statistics, hypothesis testing, comparison statistics, relationship statistics, and association statistics. Prerequisite: MATH 1315 or 1319.
- 3350 Introduction to Public Health. (3-0) Introduces public health and its core functions at the local, state, and federal levels in the United States and worldwide. Areas of focus include epidemiology, environmental health, maternal and child health, disease prevention and control, and responses to the threat of biological and chemical terrorism.

Department of Health Information Management

Health Professions Building 220
T: 512.245.8242 F: 512.245.8258
www.health.txstate.edu/HIM

DEGREE PROGRAM OFFERED

BSHIM, major in Health Information Management

MINOR OFFERED

Health Information Management

The Bachelor of Science in Health Information Management with a major in Health Information Management degree program prepares students to work in the health information management profession which focuses on health care data and the management of health care information resources. The profession addresses the nature, structure, and translation of data into usable forms of information including the electronic health record for the advancement of health and health care of individuals and populations.

Health information management professionals collect, integrate, and analyze primary and secondary health care data, disseminate information and manage information resources, related to the research, planning, provision, and evaluation of health care services. HIM professionals are an integral part of the planning, implementing and utilization of electronic health record systems.

The program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education. Upon completion of the degree, graduates of the program are eligible to sit for the RHIA (Registered Health Information Administrator) examination offered by the American Health Information Management Association.

The BSHIM is offered in two formats—the traditional campus-based program and an on-line program. The Traditional Campus-Based Program is a two plus two program with completion of general education core curriculum and program prerequisite coursework during the first two years. Following application and acceptance into the program, the final two years consists of the professional coursework reinforced with professional practice experience assignments in hospitals and other health care related facilities and organizations. Application deadline is March 1.

The on-line Program is offered primarily for those who have already completed an associate degree in health information or other degree or have previous healthcare work experience. Academic advisement is required to determine eligibility and placement in this program. The courses for the program are offered via web-based instruction, independent study, and professional practice experience. Application deadline is March 1.

Admission Process

To apply to the HIM Program, students must:

1. Have completed the majority of the Core and other prerequisite coursework;
2. Have a minimum overall GPA of 2.50;
3. Be eligible for admission to Texas State. (University application deadlines are different than the HIM Program deadline. Potential program applicants are encouraged to complete the University process early to facilitate review of transcripts during the HIM Program application process.);
4. Submit HIM Program application by March 1 for consideration to begin the HIM coursework in the fall semester; and
5. Interview with the HIM Program Admissions Committee with notification of acceptance communicated by April 1.

It is strongly recommended that students present themselves for academic advising with an HIM program advisor as soon as health information management has been selected as a major.

Advanced standing in the health information management program will require a review of the student's credentials and previous coursework. Because of course sequencing and the scheduling of clinical assignments, students who drop out of the program for one or more semesters will be required to reapply for admission and be re-interviewed by the admissions committee.

Students must make a "C" or higher in each HIM course to meet progression and graduation requirements.

During the second semester of the senior year, students are required to take a five-week professional practice experience course. This course requires that the students spend a minimum of five weeks in other institutions (hospitals, health agencies, etc.) away from campus. Students must furnish their own transportation and housing. Because of the time and distances involved, no courses other than those listed can be taken in the final semester of the senior year.

Liability Insurance

1. Students enrolled in the Health Information Management program are required to purchase liability insurance, or demonstrate proof that they have professional liability insurance.
2. Students may obtain information on liability insurance from the program office.

Immunization Requirements

It is a policy of the College of Health Professions that each student must provide a Health Report completed by a physician, and must take certain immunizations before the student can be placed in a clinical or internship assignment. Information on these requirements and forms to be supplied may be obtained through the program office.

Background Checks and Drug Screening

As a condition for placement in some professional practice sites, students may be required to have a background check and/or drug screening and meet other requirements set by individual sites. Information will be provided by program faculty.

Bachelor of Science in Health Information Management Major in Health Information Management Minimum required: 123-124 semester hours							
General Requirements: 1. BIO 2430 is required; HIM 2360 and CS 1323 are preferred before admission to the program can be considered. 2. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language. 3. See University College section of the catalog for course options that satisfy literature, natural science, and social science components.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
Natural Science Component	7-8	ART, DAN, MU, or TH 2313	3	HIM 3301, 3310, 3463, 3367, 3390	16	HIM 4331, 4363, 4364, 4370, 4401	16
COMM 1310	3	BIO 2430	4	HIM 3368, 3380, 3464	10	HIM 4225, 4383, 4385, 4390, 4501	16
ENG 1310, 1320	6	CS 1323	3	HIM 3311, 3350	6		
US 1100	1	ENG Literature	3				
HIST 1310, 1320	6	HIM 2360	3				
MATH 1315	3	HP 3302	3				
PFW two courses	2	PHIL 1305 or 1320	3				
Social Science Component	3	POSI 2310, 2320	6				
Total	31-32	Total	28	Total	32	Total	32

Minor in Health Information Management

A minor in Health Information Management requires 22 hours, including HIM 4331, 3350, 3380, 3390, 3463, 4363, and 4385. Appropriate sequencing of courses is necessary for progression to subsequent courses. This minor would enhance and broaden the scope of various other fields of study by providing a well-rounded introduction and an opportunity for practical applications of the administrative functions related to the management of health information. Completing this minor does not meet eligibility requirements for the R.H.I.A. (Registered Health Information Administrator) certification examination offered by the American Health Information Management Association. Academic advisement is important prior to enrolling in HIM minor courses due to sequencing requirements.

Courses in Health Information Management (HIM)

- 2345 The Language of Healthcare: Spanish. (3-0) An introduction of the practical language used in clinical settings to facilitate interaction with Spanish-speaking patients and healthcare professionals. Special emphasis is placed on the use of meaningful medical vocabulary for various healthcare professionals who work with Spanish-speaking patients and their families. Prerequisite: Two semesters of Spanish.
- 2360 Medical Terminology. (3-0) Recognizing and understanding the vocabulary of the health care professions. Emphasis on medical prefixes, suffixes, and word roots as used in oral and written communications.
- 3301 Principles of Health Information Management. (3-0) Exploration of the expanding role of the HIM professional. Emphasis will be on the organizational structure and delivery of healthcare in hospitals and other healthcare agencies and the associated roles of HIM professionals.
- 3310 Fundamentals of Health Information Systems. (3-0) An introduction to the information technology aspects of health information management to include hardware components, systems architecture, operating systems, languages, software applications, tools, and related topics and concepts.
- 3311 Management of HIM Systems. (2-2) An introduction to the system life cycle with an emphasis on the role of the HIM professional in the implementation of electronic health record systems. Systems development and information brokering are considered with particular emphasis on data security.
- 3350 Legal Aspects of HIM. (3-0) A study of the legal issues of Health Information Management with focus on statutory and regulatory requirements, case law and practical applications. Special legal problems associated with access to patient information, disposition of records, confidentiality and privacy, reporting requirements and compliance with current state and federal legislation are emphasized.
- 3367 Disease and Medical Science I. (3-0) An introduction to the general disease process. Stress is placed upon the occurrence of disease, the signs and symptoms of disease, the test values and findings of disease, and the therapeutic treatment of disease. Prerequisite: HIM 2360 or consent of the program chair.
- 3368 Disease and Medical Science II. (3-0) A continuation of Disease and Medical Science I. Prerequisite: HIM 3367.
- 3380 Quality Improvement Regulations & Procedures for HIM. (3-0) Overview of regulatory agency requirements for quality improvement, utilization management and risk management. Methods for integrating these procedures for credentialing and peer review are explored.
- 3390 Departmental Management. (3-0) A study of the principles involved in managing HIM departments in hospitals and other healthcare facilities. The course provides the opportunity to apply theory to traditional HIM managerial responsibilities and in the expanded role of the HIM professional.
- 3463 Introduction and Technical Aspects of Health Information Management. (2-4) An introduction into principles and procedures used in health records organization, maintenance and retention, numbering and filing systems and procedures, forms control and design, and imaging. Emphasis placed on functions and duties of the HIM administrator, and relationships of the medical record to the health care delivery system.
- 3464 Nosology. (2-2) Introduction to ICD-CM, CPT and other classifications and nomenclatures. Emphasis will be placed on manual coding of diagnoses and procedures from the acute care facility and the introduction of the use of encoding systems.
- 4101 Problems in Health Information Management. (1-0) Comprehensive study of selected problems related to professional practice issues and changes in the health information management field. Emphasis will be on problem solving and application of management skills. May be repeated with permission of department chair.
- 4225 Health Information Management Research and Education. (2-0) A course of independent reading and research with the student completing a research project and developing an in-service instructional module. Emphasis is on the application of health information management theory and clinical practice. (WI)
- 4331 Health Information Management Research and Data Analysis. (3-0) An introduction to research methods and experimental inquiry to acquaint the student with skills to critique and conduct studies in the health information management domains. The course will also provide the foundation for compiling, analyzing, and displaying statistics related to the delivery of healthcare.
- 4363 Comparative Record Systems. (3-0) Theory and procedures for the maintenance and regulation of patient health information records in non-hospital medical care facilities to include long term care, ambulatory care, psychiatric care, rehabilitation and prison record keeping systems.
- 4364 Classification, Nomenclature and Reimbursement. (2-2) Continued study of ICD-9-CM, CPT 4 and other classification and nomenclatures. The relationship with inpatient and ambulatory care reimbursement systems is also explored.
- 4370 Finance and Reimbursement Methodologies for HIM. (3-0) Course will address the reimbursement cycle from patient registration to claims billing with an emphasis on federal regulations and the role of HIM regarding payment systems. Topics will include accounting principles, budget processes, cost/benefit analysis, healthcare finance, compliance strategies, charge-master and casemix management, and payment systems and plans.
- 4383 Seminar in Health Information Management. (3-0) Problem-solving course designed to assimilate actual internship encounters and theory. Emphasis is on integration

of knowledge and making transition to the applications required to function as a health information manager.

- 4385 Health Information Management Practicum. (0-8) Assignments made to promote uniformity and competency levels required of entry-level medical record professionals. The majority of assignments will be completed in the HIM lab utilizing records, the computer capabilities, and other resources available for practical applications of management skills. To be completed during final semester. (WI)
- 4388 Internship I. (1-40) Supervised administrative training in a hospital setting. Emphasis on personnel problems, HIM interdepartmental relations, managerial responsibilities, and committee assignments. Full-time participation of the student is required.
- 4389 Internship II. (1-40) Supervised administrative training in a non-traditional Health Information Management setting. Affiliation may be in long-term care, home health, state or federal agencies, clinic or community health agencies, or companies providing HIM services. Full-time participation of the student is required.
- 4390 Contemporary Leadership Principles for HIM. (3-0) An analysis of the expanded role of the Health Information Management professional in the healthcare environment and application of the principles involved. Topics include strategic planning and forecasting, marketing, entrepreneurialism, leadership, motivation, consensus building, workforce diversity, change management, work redesign/reengineering, and project management. (WI)
- 4401 Health Information Technology Throughout the Enterprise. (3-2) This course studies the integrated use of health information technology throughout the enterprise. Students will evaluate how technology impacts overall hospital operations from both a clinical and administrative perspective and will use planning and assessment tools to simulate technology system implementation.
- 4501 Professional Practice Experience. (1-40) Supervised management experience and training in a healthcare or related setting. Student will participate in administrative, management, and problem-solving activities in the institutional setting. Full-time participation is required in addition to scheduled campus visits. (WI)

St. David's School of Nursing

Nursing Building
Round Rock Higher Education Center
Round Rock, TX
T: 512.716.2900 F: 512.716.2911
www.health.txstate.edu/nursing

DEGREE PROGRAM OFFERED

BSN, major in Nursing

Mission Statement

To educate and prepare graduates to function in professional nursing roles now and in the future, to promote, maintain, and restore health, using evidence-based practice and contributing to research and current technology in providing safe and effective nursing services to diverse individuals of all ages and to communities.

The degree program in nursing is a five semester program beginning in the junior year. The junior and senior years combine academic study in nursing and clinical experiences in affiliated clinical settings. Accreditation by the American Association of Colleges of Nursing-Commission on Collegiate Nursing Education (AACN-CCNE) has been applied for with a site visit proposed for fall 2011.

Admission Process

Admission to the undergraduate major in nursing is competitive and selective, and the student must apply and be accepted to the St. David's School of Nursing. For admission to the fall semester, the application period begins the previous October 1 and runs through the first Friday in January. The following criteria must be met for admission consideration:

1. Be admitted to Texas State University-San Marcos
2. Complete the majority of all general core and pre-requisite courses with a minimum GPA of 3.0 and a "C" or better in science courses taken in the past five years. All pre-requisites must be completed prior to admission for fall and support the admission GPA.
3. Take the Test of Essential Academic Skills (TEAS), an assessment of academic preparedness covering reading, math, science, English and language usage.
4. Complete the Texas State nursing application with application fee.
5. Submit a personal essay outlining motivation for applying for the BSN program.
6. Submit three personal references from former employers or faculty.
7. Attend an interview with nursing faculty.
8. Submit to a criminal background check.

Liability Insurance

Once accepted to the program students must either purchase liability insurance, or demonstrate proof that they have professional liability insurance.

Immunizations: The SON requires that required immunizations, along with a health report completed by a physician, be submitted by the 1st of August.

Drug Screening: As a condition for placement in some professional practice sites, students may be required to submit to drug screening and meet other requirements set by individual sites. Information will be provided by program faculty.

Bachelor of Science in Nursing Major in Nursing Minimum required: 130 semester hours							
General Requirements: 1. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language. 2. Any student who did not complete one year of general computer science (literacy) course in high school is required to take a placement course, CLEP, or college course work. 3. See University College section of the catalog for course options that satisfy literature, natural science, and social science components.							
Freshman Year		Sophomore Year		Junior Year - 1st Semester		Junior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	BIO 2440	4	NURS 3310, 3210	5	NURS 3440, 3240	6
PSY 1300	3	BIO 2451, 2452	8	NURS 3300	3	NURS 3460, 3260	6
FCD 1351 or PSY 3300	3	CHEM 1142, 1342	4	NURS 3320, 3220	5		
MATH 1315	3	COMM 1310	3				
ENG 1310, 1320	6	ENG Literature	3				
HIST 1310, 1320	6	NUTR 2360	3				
PHIL 1305 or 1320	3	POSI 2310, 2320	6				
PFW two courses	2	ART, DAN, MU, or TH 2313	3				
US 1100	1						
NURS 1200	2						
Total	33	Total	34	Total	13	Total	12

Junior Year - 3rd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr
NURS 3330	3	NURS 4350, 4250	5	NURS 4371	3
NURS 3441, 3241	6	NURS 4311, 4211	5	NURS 4380, 4280	5
NURS 3302	3	NURS 4370	3	NURS 4271	2
				NURS 4301	3
Total	12	Total	13	Total	13

Courses in Nursing (NURS)

- 1200 Introduction to Nursing. (2-0) Introduction to nursing, nature and expectations of professional education and practice. Opportunities in nursing and roles in the health-care system. Factors to evaluate regarding career paths and options in relation to personal goals. Prerequisite to application for admission to nursing program.
- 3210 Age-Specific Health Assessment Skills. (0-6) Practice age-specific assessment, communication, and client health history skills. Experiences in simulation practice lab. Learn measures in privacy training. Co-requisite: NURS 3310.
- 3220 Age-Specific Nursing Skills. (0-6) Nursing process applied to activities of daily living, health assessment and accommodation of alterations. Sterile technique, safety, and comfort measures. Administration of medication. Basic nursing procedures for chronic and acute conditions. Experiences in simulation lab, primary care clinics, day care, school, after school programs, and nursing homes. Co-requisite: NURS 3320.
- 3240 Life Span Nursing Practicum. (0-6) Apply nursing process and critical thinking skills to alterations in acute and chronic conditions, life span client's health history and assessment with emphasis on therapeutic communication, intervention, data collection/analysis and documentation. Experiences include simulation lab, hospitals, ambulatory surgery, and homes for developmentally disabled persons, primary care clinics and health departments. Co-requisite: NURS 3440.
- 3241 Adult Health Nursing Practicum. (0-6) Clinical practice with adults experiencing acute life threatening conditions. Practice clinical skills, making judgments, critical thinking, taking health history and assessment with emphasis on therapeutic communication, intervention, data collection/analysis and documentation. Experiences include simulation lab, hospitals, surgery, intensive care units, rehabilitation, home health services and hospice settings. Co-requisite: NURS 3441.
- 3260 Psychiatric and Behavioral Health Nursing Practicum. (0-6) Apply critical thinking skills and therapeutic nursing measures to clients with psychiatric and behavioral health illness or issues. Practice assessment and therapeutic skills. Experiences in acute client psychiatric settings, outpatient and adult behavioral day care centers, and home health agencies. Co-requisite: NURS 4360.
- 3300 Healthcare Systems. (3-0) History of nursing in the context of the evolving healthcare system including the laws and ethical issues that impact on nursing licensure and practice. Interdisciplinary roles and client rights. Client and nurse workplace safety and balanced life style. Nursing decisions based on values, ethics, current technology, and evidence-based research. (WI)
- 3302 Research and Ethics. (3-0) Compare qualitative and quantitative research. Describe basic research process as foundation for evidence-based nursing practice and healthcare services. Identify systems for determining validity and reliability of research. Define key research terminology. Identify use of research techniques to monitor nurse sensitive client care indicators and leadership outcomes. (WI)
- 3310 Age-Specific Health Assessment. (3-0) Basic physical and psychosocial assessment and health/life style history of all ages, age-specific evidence-based health maintenance and prevention of illness, cultural and age variances, teaching-learning strategies for age-specific health promotion and maintenance. Critical thinking concepts. Co-requisite: NURS 3210.
- 3320 Age-Specific Nursing. (3-0) Therapeutic nursing processes across the lifespan including alternations in elimination, sensory stimulation and perception, rest, immune process, homeostasis, pulmonary gas exchange, musculoskeletal, renal function, fluid balance, cancer, and nutrition. Family systems theory. Complementary and alternative practices. Safe, therapeutic, legal and ethical medication use. Validation of evidence-based practice. Co-requisite: NURS 3220.
- 3330 Healthcare Systems. (3-0) Healthcare systems access and barriers, policies, nursing role in healthcare delivery systems, critical thinking skills applied to the healthcare system. Socialization to the professional nursing role. Continuing and formal education for advancement. Qualitative and quantitative research in relation to healthcare systems, nursing practice, and current topics.
- 3440 Life Span Nursing. (4-0) Life Span clients with chronic and acute alterations in sensory perception, metabolic/endocrine, dermatology, infections, immunology/allergy, gastrointestinal, eye, ears, nose and throat, effects of developmental disabilities on communications and life experiences, collaborative management of medications, therapeutic procedures/treatment management, restoration and rehabilitation, client and caregiver education. Validation of evidence-based practice. Co-requisite: NURS 3240, NURS 3260, NURS 3460.
- 3441 Adult Health Nursing. (4-0) Adults with acute life threatening conditions; collaborative management of therapies including medications, therapeutic procedures/treatment, client and caregiver education, restoration and rehabilitation. Critical thinking skills and judgment in critical care areas concerning cardiopulmonary, hepatic, urinary, oncology, neurology, fluid and electrolyte balance and status alterations. Co-requisite: NURS 3241.
- 3460 Psychiatric and Behavioral Health Nursing. (4-0) Psychiatric and behavioral health concepts applied to individuals, families and communities. Acute and chronic psychiatric illness and treatment modalities. Apply nursing process to behavioral health planning including therapeutic measures for psychiatric and behavioral health illnesses. Qualitative and quantitative research in relation to psychiatric and behavioral health. Co-requisite: NURS 4260.
- 4211 Nursing Care in Complex Health Environments Practicum. (0-6) Application of the nursing process, including critical thinking and technical skills, to clients with complex health status alterations. Collaborative management of complex health care issues to include use of complementary and alternative modalities. Co-requisite: NURS 4311.
- 4250 Childbearing Families/Pediatrics Practicum. (0-6) Practice critical thinking skills and judgment to care for childbearing and childrearing families. Experiences in simulation lab, out-patient obstetrical and pediatric services, hospital obstetric and client care areas including pre and post partum, and pediatrics, schools and after school settings with

mainstreamed children with disabilities. Co-requisite: NURS 4350.

- 4271 Clinical Management Practicum. (0-6) Apply leadership and management skills in a variety of nursing care situations. Nursing unit leadership, staff assignments based on assessment of client needs, resources, priorities, and competencies of staff. Oversee and evaluate evidence-based nursing care provided. Co-requisite: NURS 4371.
- 4280 Community Health Nursing Practicum. (0-6) Health assessment and planning for diverse community groups including education, support groups/resources, advocacy, response to situational crises, bio-terrorism and environmental emergencies, group dynamics and impact on communities. Experiences in community or public health settings, community health centers, local health departments and community service organizations. Co-requisite: NURS 4380.
- 4301 Nursing Profession II. (3-0) Roles and competencies of nurses in the healthcare system. Professional organizations impacting public perceptions and policy. Quality initiatives to promote safe healthcare services, workplace safety, scope of services, staffing and ergonomics. Nursing self-governance and control of nursing practice and care environment. Prerequisite: NURS 3300.
- 4311 Nursing Care in Complex Health Environments. (3-0) Concepts related to complex alterations in health status and compensation. Use of therapeutic communication and education with diverse individuals and groups. Interventions to include use of complementary and alternative modalities. Co-requisite: NURS 4211.
- 4350 Childbearing Families/Pediatrics. (3-0) Clinical skills and judgment in assisting families and individuals during childbearing and rearing, health maintenance and promotion. Apply nursing process the families with children emphasis on development, culture and family structure variances and dynamics. Validation of evidence-based practice. Co-requisite: NURS 4250.
- 4370 Leadership and Management of Nursing Care I. (3-0) Leadership theories applied to unit and middle management leadership. Personal attributes for nursing leadership in direct client care areas, including adult care, obstetrics, pediatrics, and behavioral health. Qualitative and quantitative research in relation to leadership and middle management process and outcomes.
- 4371 Leadership and Management of Nursing Care II. (3-0) Leadership and management theories, trends and issues in healthcare settings, resources, priorities, unit management, delegation and assignment of staff, evaluation of staff performance, promoting performance improvement and safety. Validation of evidence-based leadership and management process and outcomes. Prerequisite: NURS 4370. Co-requisite: NURS 4271.
- 4380 Community Health Nursing. (3-0) Nursing process and strategies for health promotion for diverse groups, critical thinking skills related to community issues, addiction and rehabilitation, epidemiology and public health. Impact of biological weapons, disasters and emergencies on communities, healthcare systems and nursing practice. Validation of evidence-based practice. Co-requisite: NURS 4280.

Department of Physical Therapy

Health Professions Building 311
T: 512.245.8351 F: 512.245.8736
www.health.txstate.edu/PT

The Department of Physical Therapy is a graduate department offering a Doctor of Physical Therapy (DPT). For more information, contact the Department of Physical Therapy or visit <http://www.health.txstate.edu/pt>. While the Department offers no undergraduate degree, it does provide advisement to students interested in pursuing a graduate degree in Physical Therapy.

The requirements for admission include: 1) completion of a baccalaureate degree with a minimum 3.00 GPA in the last 60 hours of course work completed for that degree; 2) minimum 3.00 GPA in all science courses; 3) preferred minimum GRE of 1000; 4) completion of all prerequisite courses, including general psychology, abnormal or developmental psychology, statistics, medical terminology, human physiology and anatomy or human structure and function, vertebrate physiology or physiology of exercise, general chemistry I and II, and general physics I and II.

Courses in Physical Therapy (PT)

- 3400 Human Structure and Function. (2-6) A study of the structure and function of the human body with emphasis on the skeletal, muscular and nervous systems. Course focuses on anatomy and physiology of body systems of special interest to students preparing to be health professionals. Laboratory study of the human cadaver is included.
- 3610 Gross Anatomy. (3-9) Structural and functional aspects of regions of body study emphasized by means of dissection of human cadavers, lectures and demonstrations. Clinical significance of anatomical structures stressed.

Radiation Therapy Program

Health Professions Building 310A
T: 512.245.9081 F: 512.245.1477
www.health.txstate.edu/rtt

DEGREE PROGRAM OFFERED

BSRT, major in Radiation Therapy

The radiation therapist is a key member of the professional team, which uses various forms of radiation to treat cancer patients. Radiation therapy may be used alone, or in combination with surgery or chemotherapy, and is the treatment of choice for cure of many cancers. Because of sustained contact with patients, the radiation therapist has considerable responsibility in patient care, dietary counseling and treatment evaluation. The radiation therapist must also appreciate the significant psychological impact that cancer has on patients and their families. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). The curriculum complies with the professional curriculum of the American Society of Radiologic Technologists.

The degree program, Bachelor of Science in Radiation Therapy with a major in Radiation Therapy, is a two- and one-half year program beginning in the junior year. The junior and senior years combine clinical experiences in the affiliated radiation therapy facilities with advanced academic study in the professional disciplines. The program is designed to prepare students for the technical, theoretical, and psychological aspects of this career. Students acquire the technical skills necessary to plan, deliver, and record a prescribed course of radiotherapy. Upon completion of the degree, students are eligible to apply to the ARRT national registry examination.

Admission Process

Admission to Texas State does not guarantee admission to the program. Admission to the program is competitive and selective. It is recommended that students arrange academic advising with a program advisor at least once prior to making application. The academic sequence begins during the fall semester. Enrollment is limited by student/faculty ratios in the clinical components of the program. The deadline for submission of applications is January 15.

1. Admission to Texas State
2. Satisfactory completion of all general education requirements and a minimum overall GPA of 2.75.
3. Completion of an application packet for admission.
4. Three letters of reference and a career goal statement.
5. Interview of selected candidates with admission committee.
6. 40 hour clinical observation.
7. Deadline for submission of applications is January 15.

In order to fulfill the requirements of the Radiation Therapy Program students must be able to perform the 13 Technical Standards indicated by the American Disabilities Act (refer to program website or department for more information).

Liability Insurance

1. Students who participate in the clinical and internship portions of the Radiation Therapy program are required to purchase liability insurance, or demonstrate proof that they are insured.
2. Students may obtain information on liability insurance from the program office.

Immunization Requirements

It is a policy of the College of Health Professions that each student must provide a Health Report completed by a physician, and must take certain immunizations before the student can be placed in a clinical or internship assignment. Information on these requirements and forms to be supplied may be obtained through the program office.

Bachelor of Science in Radiation Therapy Major in Radiation Therapy Minimum required: 131 semester hours							
General Requirements: 1. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language. 2. See University College section of the catalog for course options that satisfy literature components. 3. Students must receive a "C" or higher in all RTT and support courses. 4. Students who do not meet requirements for computer proficiency must take HP 2351 or equivalent.							
Freshman Year		Sophomore Year		Junior Year		Senior Year	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BIO 1320, 1421	7	PT 3400	4	RTT 3300, 3301, 3302, 3310, 3314	15	RTT 4310, 4321, 4322, 4330, 4331	15 9
CHEM 1141, 1341	4	AT 3358 or RTT 3340	3	RTT 3320, 3321, 3350	9	RTT 4360, 4361, 4190, 4290	
COMM 1310	3	PHYS 1110, 1320	4	RTT 4320, 4370, 4371	9		
ENG 1310, 1320	6	ENG Literature	3				
US 1100	1	HA 4307, 4315	6				
HIM 2360	3	HP 3302 or equivalent	3				
HIST 1310, 1320	6	POSI 2310, 2320	6				
MATH 2417	4	PFW one course	1				
PHIL 1305 or 1320	3						
PSY 1300	3						
PFW one course	1						
ART, DAN, MU, or TH 2313	3						
Total	44	Total	30	Total	33	Total	24

Courses in Radiation Therapy Technology (RTT)

- 3300 Patient Care in Radiation Oncology. (3-0) This course will focus on basic nursing concepts involved in providing care for the cancer patient. Topics to be included in the class will be cancer as a chronic health problem, social roles and cancer, multidisciplinary approach to patient care, psychosocial dimension of cancer, in-treatment examinations, follow-up examinations, emergency management, chemotherapy and nutritional aspects of treating patients with cancer.
- 3301 Introduction to Radiation Oncology. (3-0) An overview of radiation oncology and the role of the radiation therapist. Presentations will orient the student to the physical and biological basis of radiation equipment, procedures, tumor pathology, and patient interaction. (WI)
- 3302 Radiologic Science and Medical Imaging. (3-0) This course will cover the principles governing production of radiation, interaction of radiation with matter, and protection of the radiation worker and patient from exposure. Basic principles of x-ray equipment, exposure factors, latent image formation, and processing of radiographs are presented. Prerequisite: Program Director's approval.
- 3310 Physics of Radiation Therapy I. (3-0) Students will learn the principles of radiation physics as they apply to the treatment and care of the cancer patient. Course will include a thorough review of x-ray production, fundamental principles, concepts and terminology. Topics studied include measurements, general principles, structure of the atom, structure of the matter, electrostatics, magnetism, electrodynamics, electromagnetism, rectification and production and properties of radiation and radiographic techniques.
- 3314 Radiation Therapy Sectional Anatomy. (3-0) The course provides instruction in identifying cross-sectional anatomy to develop the ability to make anatomic correlations between

multiple planes of view. Major organs, lymphatics, vessels are emphasized as related to the clinical significance in the field of radiation therapy. Prerequisite: Admission to program, and PT 3400.

- 3320 Directed Clinical Learning I. (1-16) Students will observe the basic operations of the radiation oncology clinic while interacting with the multidisciplinary team members involved in providing optimal care to cancer patients. The student will be introduced to oncology terminology, equipment, and techniques used for treatment.
- 3321 Directed Clinical Learning II. (1-16) Students will gain additional skills in clinical procedures, interaction with patients and professional personnel. Students apply knowledge from previous clinical learning experience under the supervision of a registered radiation therapist. Students are tested on intermediate clinical radiation therapy skills.
- 3340 Oncologic Pathology. (3-0) This course introduces the concept of disease, histology, types of growth, etiology and biological behavior of neoplastic diseases. Topics: the inflammatory process and clinical patterns, types of edema and etiology hormones related to growth; characteristics of benign and malignant tumors; histological grading; and pathophysiology across the lifespan and associated diseases.
- 3350 Radiobiology. (3-0) This course will cover the principles of cell response to radiation, including tissue sensitivity, survival, repair and the latent effects of irradiated tissue. Topics to be covered include the development of radiation science, cellular targets for radiation action, target theory, physical/chemical factors affecting radiation response, biological factors, repair and recovery, fractionated doses and dose rate, early/acute effects of whole body exposure, late/chronic effects of whole body exposure, and radiation protection dose guidelines.

- 4190 Professional Issues in Radiation Therapy. (1-0) This capstone course provides a comprehensive review of the program curriculum and clinical practice in the field. Current radiation therapy treatment management techniques and issues are presented for analysis.
- 4290 Radiation Therapy Seminar. (2-0) This writing intensive course provides instructions in research strategies, critical review, and analysis of peer-review publications, manuscript style, and publication guidelines according to the American Society of Radiologic Technologists (ASRT) professional journal. Emphasis is placed on critical thinking and building a foundation of research skills. (WI)
- 4310 Physics of Radiation Therapy II. (3-0) Students will continue to learn the principles of cell response to radiation. Topics covered will include properties of x-ray and gamma radiation, radiation units, x-ray production, photon interactions, beam characteristics, radioactivity, treatment units, and particle irradiation. Prerequisite: RTT 3310.
- 4320 Directed Clinical Learning III. (1-24) Students will improve their skills in clinical procedures. Progressive interaction with patients and professional personnel are monitored as students practice radiation therapy in a supervised setting. Additional areas include problem solving, identifying machine components and basic side effect management. Students will demonstrate competence in beginning, intermediate, and advanced procedures.
- 4321 Directed Clinical Learning IV. (1-24) The course provides students the opportunity to continue to develop confidence and increased skill in simulation and treatment delivery. Students will demonstrate competence in beginning, intermediate, and advanced procedures in both areas. Students will participate in advanced and specialized treatment procedures.
- 4322 Directed Clinical Learning V. (1-24) This course is the final in a series of five directed clinical courses. The student will complete the clinical training by practicing all the skills learned in classroom and clinical instruction. The student will continue demonstrating proficiency while completing the Skills Competency Checklist.
- 4330 Quality Assurance. (3-0) Students will study quality assurance tests related to patient charts, treatment accessories, patient communication devices, machine reading and safety devices. Emphasis on quality control procedures to include Continuous Quality Improvement (CQI), Joint Commission on Accreditation of Healthcare Organizations (JCAHO) and responsibilities of each team member in relation to quality assurance duties.
- 4331 Operational Issues in Radiation Therapy. (3-0) Course content is designed to focus on various radiation therapy operational issues. Accreditation, CQI development and assessment techniques will be presented. Human resource issues and regulations impacting the radiation therapist will be examined. Topics include the role of network information systems within the radiation oncology department.
- 4360 Dosimetry I. (3-0) This course will cover the basic concepts in treatment planning and clinical dosimetry. Students will learn to identify treatment preparation processes and needs for beam modifying devices. Students will also be taught isodose charts for several treatment arrangements and be able to calculate a variety of external beam treatment formulas.

- 4361 Dosimetry II. (3-2) Students will learn additional concepts in treatment planning and clinical dosimetry addressed in Dosimetry I. Computerized treatment planning applications will enhance the understanding of medical dosimetry.
- 4370 Clinical Radiation Oncology I. (3-0) The first of a two-part course, this course advances the student's knowledge of neoplastic disease management. Instruction will focus on the regional anatomy and physiology, epidemiology and etiology, detection and diagnosis, diagnostic procedures, histopathology, patterns of spread principles of treatment, staging, and prognosis. (WI)
- 4371 Clinical Radiation Oncology II. (3-0) The second of a two-part course, this course is a continuation of disease specific instruction. Instruction will focus on the regional anatomy and physiology, epidemiology and etiology, detection and diagnosis, diagnostic procedures, histopathology, patterns of spread, principles of treatment, staging, and prognosis. Prerequisite: RTT 4370. (WI)

Department of Respiratory Care

Health Professions Building 351
T: 512.245.8243 F: 512.245.7978
www.health.txstate.edu/rc

DEGREE PROGRAM OFFERED

BSRC, major in Respiratory Care

The degree program prepares students to treat patients with deficiencies or abnormalities in respiration. Therapists work for hospitals, clinics, and home health agencies.

Respiratory care majors take classes on campus and gain clinical experience in area hospitals. RC courses must be taken in sequence. Students taking courses prior to applying for admission to the RC program should see an RC adviser for counseling. Students who have completed an associate degree program elsewhere may be eligible for transfer to Texas State's baccalaureate degree program. For information on this option, see the RC department chair. Texas State's respiratory care program is accredited by the Commission on Accreditation for Respiratory Care (COARC) and qualifies graduates to take the appropriate exams offered by the National Board for Respiratory Care when all requirements have been met.

The Department of Respiratory Care also offers a course of study in polysomnography (sleep studies) that is fully accredited by COARC and qualifies students completing the courses to take the national board exams immediately upon completion. The polysomnography course of studies is comprised of six courses (18 credit hours) with three courses offered each fall and spring.

Admission to the polysomnography course of studies requires current state or national credentialing in a health profession involving patient care or interaction. Admission to the course of studies begins each fall.

Admission Process

Application must be made to the program in respiratory care in addition to regular university admission procedures. All students entering this program must be accepted by both the university and the respiratory care program. All applicants will be notified of their admittance status. Enrollment in the respiratory care program is limited by student/faculty ratio in the clinical phases of the program. All respiratory care courses must be taken in sequence and completed with a grade of "C" or higher.

Immunization Requirements

It is a policy of the College of Health Professions that each student must provide the College Health Report completed by a physician, and must complete certain immunizations before the student can be placed in a clinical or internship assignment. Information on these requirements and forms to be submitted may be obtained through the departmental office.

Liability Insurance

1. Students who participate in the clinical portion of the respiratory care program are required to purchase liability insurance, or demonstrate proof that they are insured.
2. Students may obtain information on liability insurance from the departmental office.

Bachelor of Science in Respiratory Care Major in Respiratory Care Minimum required: 139 semester hours							
General Requirements: 1. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language. 2. Any student who did not complete one year of general computer science (literacy) course in high school is required to take a placement test, CLEP, or college course work. 3. See University College section of the catalog for course options that satisfy literature components.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Freshman Year - Summer		Sophomore Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	RC 1316	3	HIST 1310	3
BIO 1320 or 1421	3-4	BIO 2430	4	RC 1445	4	MATH 1315	3
US 1100	1	PSY 1300	3			RC 1321, 2355	6
HIM 2360	3	RC 1135, 1314, 1315	7			RC 3331	3
RC 1313	3						
Total	13-14	Total	17	Total	7	Total	15
Sophomore Year - 2nd Semester		Sophomore Year - Summer		Junior Year - 1st Semester		Junior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 1320	3	PHYS 1310, 1110	4	BIO 2400 or 2440	4	POSI 2320	3
PFW course	1	RC 2311	4	POSI 2310	3	CHEM 1141, 1341	4
PHIL 1305 or 1320	3	RC 4220	2	RC 2375, 3311, 4315	9	RC 3352, 3365, 4341	9
RC 2352, 2365	6						
RC 3330	3						
Total	16	Total	9	Total	16	Total	16
Junior Year - Summer		Senior Year - 1st Semester		Senior Year - 2nd Semester			
Course	Hr	Course	Hr	Course	Hr		
RC 3375	3	ART, DAN, MU, or TH 2313	3	COMM 1310	3		
		Statistics	3	PFW course	1		
		ENG Literature	3	RC 4246, 4320, 4350	8		
		RC 3310, 4330	6				
Total	3	Total	15	Total	12		

Courses in Respiratory Care (RC)

- 1135 Respiratory Care Clinical Laboratory I. (0-16) Introduction to clinical skills, including vital signs, infection control procedures, and basic patient care techniques. This course prepares the student for direct patient care to be performed in more advanced courses.
- 1313 Introduction to Respiratory Care. (3-0) Introductory course to field of respiratory care. Designed to acquaint student with responsibilities of technician as a member of health team. Airway management, gas therapy, and humidity therapy will be covered.
- 1314 Respiratory Care Instrumentation I. (3-0) Designed to teach the design, function, and operation of basic respiratory care equipment. Regulators, flow meters, humidifiers, and nebulizers will be covered.
- 1315 Basic Technology in Respiratory Care. (3-0) Designed to teach students basic principles of respiratory care techniques and basic operations of equipment. Artificial ventilation, cardiopulmonary resuscitation and chest physiotherapy will be covered.
- 1316 Respiratory Care Instrumentation II. (3-0) Acquaints students with concepts of design, function, and operation of more advanced respiratory care equipment. Pressure cycled ventilators, spirometers, airways, cardiopulmonary resuscitation equipment will be covered.
- 1321 Introduction to Pharmacology. (3-0) Designed to familiarize students with general principles of drug action, methods of administration, elements of dispensation and with adverse reactions to drugs. Specifically designed for respiratory care practitioners.
- 1445 Respiratory Care Clinical Lab II. (0-32) Direct patient care is performed under close supervision in a non-critical setting. Routine procedures are performed, including delivery of aerosolized medications, oxygen therapy, incentive spirometry, postural drainage, and chest percussion.
- 2311 Cardiopulmonary Disease I. (3-0) Introduction to the assessment and treatment of the patient with respiratory disease. The course focuses on the signs, symptoms, causes, and treatment of chronic obstructive pulmonary disease, diseases of the nervous system, respiratory muscles and occupational lung diseases. In addition, the assessment and treatment of patients with cardiopulmonary disease to include restrictive lung disease, cardiac disease, infectious disease, and lung cancer.
- 2352 Cardiopulmonary-Renal Anatomy and Physiology. (3-0) Detailed study of the structure and function of the respiratory, cardiovascular, and renal systems. Prerequisite: BIO 2430 or instructor approval.
- 2355 Respiratory Care Practice I. (0-16) Student gains skill in clinical procedures, interactions with patients and professional personnel as he practices, under supervision, respiratory care therapeutic modalities in a healthcare setting. Becomes familiar with various RT aspects of patient care as presented in medical/surgical and pediatric clinical situations.
- 2365 Respiratory Care Practice II. (0-16) Students will perform respiratory therapy procedures in a healthcare institution under the supervision of a Respiratory Therapist. Preparatory instruction is provided for mechanical ventilation and other primary critical care procedures.
- 2375 Respiratory Care Practice III. (0-16) A supervised clinical education experience in which the student organizes and administers advanced respiratory therapeutics on assigned patients in adult critical care. Diagnostic procedures, including arterial blood gas procurement and measurement, bedside physiologic monitoring, airway care, basic pulmonary function testing, as well as monitoring and maintenance of ventilator parameters are performed.
- 3310 Cardiopulmonary/Renal Gross Anatomy. (2-3) Designed to acquaint the student with the anatomy and physiology of the cardiovascular, pulmonary, and renal systems. Students will participate in the cadaver dissection and radiographic anatomy by matching cadaver cardiopulmonary structures with radiographic findings. Prerequisites: BIO 2430 and RC 2352.
- 3311 Applied Pathology. (3-0) Lecture series and case presentation related to pathophysiology, etiology, symptoms, diagnosis and treatment of selected pulmonary disease entities, cardiac diseases, neurologic disease processes and occupationally acquired disease entities as they relate to respiratory function. Clinical Simulation software utilized for clinical patient assessment, diagnostic data gathering and treatment. (WI)
- 3330 Advanced Respiratory Care Technology. (3-0) In-depth study of respiratory physiology comparing the cardiopulmonary system of the adult, infant, and fetus. Emphasis is placed on how to evaluate, treat and monitor patients with respiratory insufficiency or failure.
- 3331 Advanced Respiratory Care Instrumentation. (3-0) A comprehensive focus on advanced equipment and rehabilitation technology utilized in the critical care, homecare, pulmonary rehabilitation and blood gas lab settings. Lectures and class activities will detail hardware for hemodynamic monitoring, supplemental oxygen administration, noninvasive monitoring, blood gas measurement, quality control, quality assurance and various other support advances in healthcare.
- 3352 Advanced Ventilator Concepts. (3-0) In-depth study of specific ventilators used in adult, pediatric and neonatal ventilation to include ventilator classification, method of operation, parameter interrelationships and ventilator patient monitoring. Lectures and class activities will focus on ventilator analysis of several contemporary volume, time, pressure, and flow-cycled ventilators.
- 3365 Respiratory Care Practice IV. (0-16) Advanced clinical education in the intensive care setting in which the student monitors and administers critical care therapeutics on assigned patients in the adult and neonatal intensive care setting. Physician input and pulmonary rounds assist students in theory and application of care for the critically ill patient.
- 3375 ICU Internship. (0-16) Through affiliations with agencies, hospitals and selected treatment centers the student interns in the intensive care setting by monitoring and administering critical care therapeutics. Analysis and clinical application of advanced ventilator care of patients is emphasized along with patient care diagnostics and management in the ICU.
- 4211 Polysomnography Instrumentation I. (0-2) Designed to teach the function, operation, and design of electro-neurodiagnostic equipment. Monitoring devices, electrode application, and patient connection will be covered in detail. Prerequisite: Departmental approval.
- 4214 Polysomnography Instrumentation II. (0-2) Advanced study of waveform characteristics and montage development,

- filters, and PSG electronics. Signal pathways, reference electrodes, impedance checking, and filter settings in calibration waves will be covered. Prerequisite: Departmental approval.
- 4220 Cardiovascular and Pulmonary Diagnostics. (2-0) Examination of non-invasive monitoring technology in respiratory care, hemodynamic monitoring, acid-base interpretation of blood gas and application, and pulmonary function test interpretation.
- 4246 Respiratory Care Internship. (0-16) Provides the student with opportunities to gain clinical experience in specialty areas to include pediatrics, adult critical care, neonatal intensive care, pulmonary function diagnostics, home care, subacute care, pulmonary rehabilitation or polysomnography. Specific specialty offerings will be based on clinical availability. Repeatable for credit with different emphasis.
- 4310 Fundamentals of Polysomnography. (3-0) Introduction to the physiology of sleep, including sleep neurology, sleep architecture, and the classification of sleep disorders. Review of basic cardiac physiology and ECG arrhythmia recognition. Sleep pathologies will be discussed according to etiology, pathophysiology, symptoms, diagnosis, treatment, and prognosis. Prerequisite: Departmental approval.
- 4313 Polysomnographic Therapeutic Intervention. (3-0) In-depth study of the treatments available for sleep apnea, including CPAP, BiPAP, oxygen therapy, patient adjunctive fitting, surgical intervention, and the role of the sleep tech in titration. Special attention will be given to titration algorithms, nocturnal seizure disorder studies, REM behavior disorder studies, MSLT's and MWT's. Prerequisite: Departmental approval.
- 4315 Neonatal Respiratory Care. (3-0) In-depth study of neonatal intensive care, pediatric/neonatal respiratory emergencies, chronic pediatric respiratory diseases, fetal lung development, fetal circulation, changes at birth, neonatal respiratory disease and its management, congenital defects and other related aspects.
- 4320 Contemporary Issues in Cardiopulmonary Care. (3-0) This course is designed to prepare senior-level students for the dynamic evolution of respiratory care as a profession. It will build on previous didactic courses and clinical experiences. It will examine opportunities for respiratory therapists in continuing care and home care and also cover the impact and role of legislation, regulations, professional organizations and politics in respiratory care. Ethics of patient care and professional behavior will be explored. Repeatable for credit with different emphasis. (WI)
- 4330 Pulmonary Rehabilitation. (3-0) An introduction to medical, ethical, and reimbursement issues of respiratory care pulmonary rehab and home care. The role of the therapist in cost containment, treatment requirements, and discharge planning will be addressed. Frequently applied respiratory and durable medical equipment will be discussed in detail.
- 4341 Respiratory Care Seminar. (3-0) Individual and group presentation of selected case studies by the student to physicians, therapists and other students. Emphasis placed on total patient management with etiology, symptoms, pathophysiology, diagnosis, and treatment of specific diseases such as asthma, pulmonary edema, CHF, CF, COPD, ARDS, neurologic diseases, pulmonary fibrosis, pneumonia, bronchiectasis, AIDS and drug overdose. (WI)
- 4350 Respiratory Care Research. (3-0) An introduction to research methods, experimental inquiry, and naturalistic observations. This course is designed to acquaint the student with the necessary skills to conduct research in respiratory care. The primary purpose is to provide a foundation from which the student will critique, develop, and apply multiple research strategies. Repeatable with different emphasis. Prerequisite: HP 3302 or equivalent.
- 4412 Clinical Polysomnography-Sleep Staging I. (0-10) Direct patient diagnostic monitoring is performed under close supervision in a sleep lab. Differential amplifiers, amplifier calibration, artifact correction, and the professional role of the sleep tech will be demonstrated. Prerequisite: Departmental approval.
- 4415 Clinical Polysomnography-Sleep Staging II. (0-10) Advanced clinical education in sleep staging rules, light, delta, and REM sleep scoring and analysis. EEG, EMG, ECG, and respiratory events will be discussed in-depth and are components of the polysomnogram report. Prerequisite: Departmental approval.

College of Liberal Arts

DEAN

Ann Marie Ellis, Ph.D.

Flowers Hall 313

T: 512.245.2317 F: 512.245.8291

www.txstate.edu/liberalarts

ASSOCIATE DEAN

Nancy J. Grayson, Ph.D.

ASSOCIATE DEAN

Charles Bousman, Ph.D.

ASSOCIATE DEAN

Lucy Harney, Ph.D.

PROGRAM DIRECTORS / DEPARTMENT CHAIRS

International Studies—Dennis Dunn, Ph.D.

Multicultural and Gender Studies—Sandra Mayo, Ph.D.

Study of the Southwest—Mark Busby, Ph.D.

Anthropology—R. Jon McGee, Ph.D.

English—Michael Hennessy, Ph.D.

Geography—Philip Suckling, Ph.D.

History—J.F. de la Teja, Ph.D.

Modern Languages—Robert Fischer, Ph.D.

Philosophy—Vincent Luizzi, Ph.D.

Political Science—Vicki Brittain, J.D.

Psychology—Shirley Ogletree, Ph.D., Interim

Sociology—Susan Day, Ph.D.

ACADEMIC ADVISING CENTER

Flowers Hall 322

T: 512.245.1852 F: 512.245.7949

www.txstate.edu/liberalarts/advisingcenter

The College of Liberal Arts provides students with the foundation for a liberal education, preparing graduates to think independently, to choose freely, to base personal and professional decisions on a broad understanding of history and culture, and to live full, rewarding lives. Recognizing the central importance of liberal education, the university requires that more than fifty percent of the general education core curriculum be taken in the College of Liberal Arts, and students increasingly declare majors or minors in one of the college's nine departments or special programs.

The College of Liberal Arts offers the Bachelor of Arts in each of its nine departments: Anthropology, English, Geography, History, Modern Languages, Philosophy, Political Science, Psychology, and Sociology. The Bachelor of Science is awarded in Anthropology, Psychology, Sociology, and Geography. The college also offers two special degrees: the Bachelor of Arts in International Studies (BAIS), and the Bachelor of Public Administration (BPA). The college houses ten interdisciplinary minors: Aging and the Life Course, Media Studies, Medieval and Renaissance Studies, Nature



and Heritage Tourism, Religious Studies, Southwestern Studies, Studies in Popular Culture, Diversity Studies, Value Studies, and the Women's Studies minor. The college provides education not only in the traditional humanities but also in the practical application of the humanities to professional careers.

Academic Advising Center

The College of Liberal Arts Academic Advising Center provides effective guidance to a diverse community with integrity and commitment. In a supportive and collaborative environment, we motivate our students to take an active role in achieving their educational goals. The advising center works in cooperation with each department and center to provide quality academic advising and information to majors and minors within the College of Liberal Arts. The advising center is a resource for students, as advisors offer counseling on academic and administrative issues. Students can find information on core curriculum requirements, majors and minors, semester course selection, transfer credit, academic probation and suspension, progress toward degree completion, study abroad opportunities, and career options.

As students progress toward the completion of their degree, academic advisors recommend they follow a checklist of their major and a Degree Audit Report to guide them in course selection. Our advisors are available to offer explanations of these documents and assist in the process of applying for graduation. From new student orientation to graduation, academic advisors work closely with departments and centers in the College and throughout the University to ensure that each of our students has a successful academic career.

In an effort to prepare our Liberal Arts students for a career that offers them the opportunity to use their broad range of skills and abilities, the advising center has partnered with Career Services to bring special events and programs to the students in the College.

In addition to meeting the individual needs of students, Career Services and the College of Liberal Arts frequently host programs and panels for specific majors where students can network with professionals.

Center for International Studies

Lampasas 503

T: 512.245.2339 F: 512.245.7857

www.txstate.edu/internationalstudies

DEGREE PROGRAMS OFFERED

BAIS, major in International Studies
(Asian Studies focus)

BAIS, major in International Studies
(European Studies focus)

BAIS, major in International Studies
(Interamerican Studies focus)

BAIS, major in International Studies
(International Business focus)

BAIS, major in International Studies
(Middle East/African Studies focus)

BAIS, major in International Studies
(Russian/East European focus)

BAIS, major in International Studies
(Travel and Tourism focus)

BAIS, major in International Studies – International
Relations

BAIS/MBA, major in International Studies/
Master of Business Administration

MINOR OFFERED

International Studies

CERTIFICATE OFFERED

Interamerican Studies

In Texas and throughout the United States, demand for graduates with knowledge of international business, cultural and area studies, and language skills continues to increase. The growing movement toward intercontinental and international trade blocs, such as NAFTA and the European Union, has created a need for persons who are not only skilled in business and communications technology, but also cultural understanding and international business practices. The Bachelor of Arts in International Studies (B.A.I.S.) degree offered by the Center addresses this need and prepares students for work in multinational corporations, state and federal governmental agencies with international divisions, and nonprofit corporations.

In addition to its academic programs, the Center gives its students several opportunities to develop global awareness and intercultural sensitivity during their undergraduate years including internships and study abroad.

Academic Advising. The Center employs an academic advisor to help students with selecting appropriate courses. The advisor also provides information on graduate study, internships, and career opportunities. The Center works closely with the Office of Career Services to prepare students for internationally-focused careers in various fields, and with the College of Liberal Arts Advising Center to ensure our students' timely graduation.

Admission and Graduation Requirements

All majors in International Studies are required to have sophomore standing and a 3.00 Texas State GPA to officially declare the major. In addition, for graduation, all majors are required to maintain a TxSt GPA of 3.00, a major GPA of 3.00, complete the Texas State general education core curriculum (including the additional College of Liberal Arts requirements), the International Studies Core, and the International Studies major courses. Students are not required to complete a minor. Students must meet all course prerequisites. Please see the University College, College of Liberal Arts, and Degrees and Programs sections of this catalog for specific information on the general education core curriculum, and College of Liberal Arts.

For the BAIS/MBA, each student is required to take the Graduate Management Admission Test (GMAT) and apply for admission to the Texas State Graduate College and be accepted into the McCoy College of Business Administration MBA program before taking graduate courses.

The official results of the GMAT must be on file in the Graduate College before your application for admissions will be considered. Please refer to the Texas State graduate catalog for additional information.

International Studies Core

All majors in International Studies are required to complete 41 hours of core courses: ECO 2314 & 2315; GEO 1310 & 3303; HIST 2310 or 2311, 2320 or 2312; IS 4380; POSI 3322; Modern Language 1410, 1420, 2310, 2320, and one advanced (3000- or 4000-level) course in the same language.

Bachelor of Arts in International Studies
Major in International Studies (with Asian Studies focus)
Minimum required: 120 semester hours

General Requirements:

1. Choose 9 courses (27 hours) from the following, no more than 3 courses (9 hours) from one discipline: ANTH 3306, 3316, 3350, 4320; ARTH 4308; CJ 4390E; COMM 3329; DAN 4368, 4369; ENG 3341 (when emphasis is Asian); GEO 3332, 3333, 3349 (or SOCI 3320), 4328; HA 4303; H ED 3301, 3348; HIST 4333, 4334, 4343, 4344, 4350D, 4350F; HP 3350; MKT 4310; MU 3318; PHIL 4371, 4388 (when emphasis is Asian); POSI 4313, 4341, 4350, 4367; RDG 4320; REL 3360; SOWK 3339 (when emphasis is international).
2. The 17-hour language requirement (1410, 1420, 2310, 2320, and one advanced course) must be completed in one of the main Asian Languages.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	HIST 1310	3	HIST 1320	3	ECO 2315	3
POSI 2310	3	ENG 1320	3	English Literature	3	GEO 3303	3
COMM 1310	3	POSI 2320	3	POSI 3322	3	PHIL 1305 or 1320	3
MATH 1315	3	Natural Science Component	3	Modern Language 1410	4	HIST 2310 or 2311	3
GEO 1310	3	ART, DAN, MU or TH 2313	3	ECO 2314	3	Modern Language 1420	4
US 1100	1	PFW	1	PFW	1		
Total	16	Total	16	Total	17	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 2312 or 2320	3	English Literature	3	International Studies Focus	9	IS 4380	3
Modern Language 2310	3	BA Science	3	Modern Language Advanced	3	International Studies Focus	6
Natural Science Component	4	Modern Language 2320	3			Elective	3
International Studies Focus	6	International Studies Focus	6				
Total	16	Total	15	Total	12	Total	12

Bachelor of Arts in International Studies
Major in International Studies (with European Studies focus)
Minimum required: 120 semester hours

General Requirements:

1. Choose 9 courses (27 hours) from the following; no more than 3 courses (9 hours) from one discipline: ANTH 3306, 3316; ARTH 2301, 2302, 4304, 4306, 4307, 4308D, 4308I, 4321E, 4321F, 4321G, 4321I, 4321J; DAN 4368, 4369; ECON 3317, 3353; ENG 3316, 3322, 3341, 3350, 3351; FR 3305, 3306, 4304, 4370; GEO 3307, 4328; GER 3301, 3302, 3370, 4310; HIST 3310, 3311, 3312, 3314, 3315, 3316, 3358, 3361 4303, 4304, 4307, 4317, 4318A, 4318G, 4318H, 4318O, 4320, 4333, 4334, 4336, 4337, 4368; MU 3318; POSI 3332, 3333, 4326 (only when focus is Europe), 4328, 4340, 4341, 4349A, 4367; REL 3364, 3366; SPAN 3301, 3302, 3370, 4302, 4311, 4361, 4362, 4380A, 4380B.
2. The 17-hour language requirement (1410, 1420, 2310, 2320, and one advanced course) must be completed in one of the main European languages.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	HIST 1310	3	HIST 1320	3	ECO 2315	3
POSI 2310	3	ENG 1320	3	English Literature	3	GEO 3303	3
COMM 1310	3	POSI 2320	3	POSI 3322	3	PHIL 1305 or 1320	3
MATH 1315	3	Natural Science Component	3	Modern Language 1410	4	HIST 2310 or 2311	3
GEO 1310	3	ART, DAN, MU or TH 2313	3	ECO 2314	3	Modern Language 1420	4
US 1100	1	PFW	1	PFW	1		
Total	16	Total	16	Total	17	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 2312 or 2320	3	English Literature	3	International Studies Focus	9	IS 4380	3
Modern Language 2310	3	BA Science	3	Modern Language Advanced	3	International Studies Focus	6
Natural Science Component	4	Modern Language 2320	3			Elective	3
International Studies Focus	6	International Studies Focus	6				
Total	16	Total	15	Total	12	Total	12

Bachelor of Arts in International Studies
Major in International Studies (with Interamerican Studies focus)
Minimum required: 120 semester hours

General Requirements:

1. Choose 9 courses (27 hours) from the following; no more than 3 courses (9 hours) from one discipline: ANTH 3306, 3314, 3324, 3326, 3335, 3345, 3347, 3350, 3354, 3356, 3363, 3375P, 4320; ARTH 4302, 4303; COMM 3318M; DAN 4368, 4369; ECO 3320; ENG 3341, 3393; GEO 3308, 3309; H ED 3301, 3348; HIST 3319, 3320, 3322, 3324, 3325, 3326, 3327, 3329, 4350A, 4350E 4373; HP 3350; MGT 3375; MU 3318; PHIL 4372; POR 3308; POSI 4338, 4339, 4358, 4367; RDG 4320; REL 3364, 3366, SOWK 3339 (when emphasis is international); SPAN 4350.
2. The 17-hour language requirement must be completed in French, Portuguese, or Spanish.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	HIST 1310	3	HIST 1320	3	ECO 2315	3
POSI 2310	3	ENG 1320	3	English Literature	3	GEO 3303	3
COMM 1310	3	POSI 2320	3	POSI 3322	3	PHIL 1305 or 1320	3
MATH 1315	3	Natural Science Component	3	Modern Language 1410	4	HIST 2310 or 2311	3
GEO 1310	3	ART, DAN , MU or TH 2313	3	ECO 2314	3	Modern Language 1420	4
US 1100	1	PFW	1	PFW	1		
Total	16	Total	16	Total	17	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 2312 or 2320	3	English Literature	3	International Studies Focus	9	IS 4380	3
Modern Language 2310	3	BA Science	3	Modern Language Advanced	3	International Studies Focus	6
Natural Science Component	4	Modern Language 2320	3			Elective	3
International Studies Focus	6	International Studies Focus	6				
Total	16	Total	15	Total	12	Total	12

Bachelor of Arts in International Studies
Major in International Studies (with International Business Focus)
Minimum required: 120 semester hours

General Requirements:

1. Choose 5 courses (15 hours) from the following; no more than 3 courses (9 hours) from one discipline: ACC 2361, 2362; BLAW 3363; CIS 3317; ECO 3311, 3315, 3317, 3320, 3353; MGT 3303, 3375, 4375; MKT 3343, 4310.
2. Choose 5 courses (15 hours) from the following; no more than 3 courses (9 hours) from one discipline: AG 3319; COMM 3318K, 3318M, 3329; FR 3381, 3382; GEO 3340, 3349 (or SOCI 3320); GER 3380; HIST 4350B, 4361, 4373; JAPA 3308, MC 3343, 3367, 4303, 4310; PHIL 3322, 3332; POSI 3320, 3328, 4326, 4327, 4356, 4357, 4359, 4367; PSY 3333, PSY 4393; SOCI 3328; SPAN 3311, 3312.
3. International Studies majors are required to complete the special requirements in science, modern language, and English for the Bachelor of Arts listed under the Degrees and Programs section of this catalog. For International Studies majors, the list of approved additional science courses under that section is expanded to include statistics. Approved statistics courses are: QMST 2333, SOCI 3307, GEO 3301, POSI 3377, CJ 3347, HP 3302, MATH 2358, and MATH 3305.
4. No more than 30 hours of coursework offered by the McCoy College of Business Administration may be applied to this degree. This includes courses taken to fulfill the IS Focus, IS Core, general education core curriculum, Liberal Arts requirements, and minor.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	HIST 1310	3	HIST 1320	3	ECO 2315	3
POSI 2310	3	ENG 1320	3	ENG Sophomore Literature	3	GEO 3303	3
COMM 1310	3	POSI 2320	3	POSI 3322	3	PHIL 1305 or 1320	3
MATH 1315	3	Natural Science Component	3	Modern Language 1410	4	HIST 2310 or 2320	3
GEO 1310	3	ART, DAN, MU or TH 2313	3	ECO 2314	3	Modern Language 1420	4
US 1100	1	PFW	1	PFW	1		
Total	16	Total	16	Total	17	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 2312 or 2320	3	English Sophomore Literature	3	International Studies Focus	9	IS 4380	3
Modern Language 2310	3	BA Science	3	Modern Language Advanced	3	International Studies Focus	9
Natural Science	4	Modern Language 2320	3				
International Studies Focus	6	International Studies Focus	6				
Total	16	Total	15	Total	12	Total	12

Bachelor of Arts in International Studies
Major in International Studies (with Middle East/African Studies focus)
Minimum required: 120 semester hours

General Requirements:

1. Choose 9 courses (27 hours) from the following; no more than 3 courses (9 hours) from one discipline: ANTH 3306, 3316, 3322, 3323, 3350, 4320; COMM 3329; DAN 4368, 4369; ENG 3341 (when emphasis is Middle East/African); GEO 3328, 3340, 3349 (or SOCI 3320); HIST 4318G, 4318J, 4325, 4326, 4327, 4340; HP 3350; MU 3318; POSI 4313, 4314, 4315, 4351, POSI 4354, 4367; RDG 4320 REL 3360; SOWK 3339 (when emphasis is international).
2. The 17-hour language requirement must be completed in French, Spanish, or Arabic.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	HIST 1310	3	HIST 1320	3	ECO 2315	3
POSI 2310	3	ENG 1320	3	English Literature	3	GEO 3303	3
COMM 1310	3	POSI 2320	3	POSI 3322	3	PHIL 1305 or 1320	3
MATH 1315	3	Natural Science Component	3	Modern Language 1410	4	HIST 2310 or 2311	3
GEO 1310	3	ART, DAN , MU or TH 2313	3	ECO 2314	3	Modern Language 1420	4
US 1100	1	PFW	1	PFW	1		
Total	16	Total	16	Total	17	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 2312 or 2320	3	English Literature	3	International Studies Focus	9	IS 4380	3
Modern Language 2310	3	BA Science	3	Modern Language Advanced	3	International Studies Focus	6
Natural Science Component	4	Modern Language 2320	3			Elective	3
International Studies Focus	6	International Studies Focus	6				
Total	16	Total	15	Total	12	Total	12

Bachelor of Arts in International Studies Major in International Studies (with Russian/East European Studies Focus) Minimum required: 120 semester hours							
General Requirements: 1. Choose 9 courses (27 hours); no more than 3 courses (9 hours) from one discipline: ECO 3317, 3353; ENG 3325, ENG 3341 (when emphasis is on Eastern Europe, Russia, or Germany); GEO 4328; GER 3301, 3303, 3370, 4310; H ED 3301, 3348; HIST 3310, 3311, 3361, 4318H, 4333, 4334, 4335, 4336, 4337; MU 3318; POSI 4328, 4341, 4367, 4340; RDG 4320; SOWK 3339 (when emphasis is international). 2. The 17-hour language requirement (1410, 1420, 2310, 2320, and one advanced course) must be completed in an appropriate language.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	HIST 1310	3	HIST 1320	3	ECO 2315	3
POSI 2310	3	ENG 1320	3	English Literature	3	GEO 3303	3
COMM 1310	3	POSI 2320	3	POSI 3322	3	PHIL 1305 or 1320	3
MATH 1315	3	Natural Science Component	3	Modern Language 1410	4	HIST 2310 or 2311	3
GEO 1310	3	ART, DAN, MU or TH 2313	3	ECO 2314	3	Modern Language 1420	4
US 1100	1	PFW	1	PFW	1		
Total	16	Total	16	Total	17	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 2312 or 2320	3	English Literature	3	International Studies Focus	9	IS 4380	3
Modern Language 2310	3	BA Science	3	Modern Language Advanced	3	International Studies Focus	6
Natural Science Component	4	Modern Language 2320	3			Elective	3
International Studies Focus	6	International Studies Focus	6				
Total	16	Total	15	Total	12	Total	12

Bachelor of Arts in International Studies Major in International Studies (with Travel and Tourism Focus) Minimum required: 120 semester hours							
General Requirements: 1. Required courses: ACC 2301; GEO 3340; HIST 3311, 4307; MGT 3303; MKT 3343; IS 4687. 2. Choose 2 additional courses (6 hours) from the following: COMM 3318K, 3318M; ENG 3311 (when emphasis is travel writing); HIST 3322, 4303 (or 4304); MC 3343, 3367, 4303, 4310; MU 3318; NHT 4301; PHIL 3326. 3. It is strongly recommended that students also complete ENG 2330 and 2340 to satisfy the sophomore ENG Literature requirement.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	HIST 1310	3	HIST 1320	3	ECO 2315	3
POSI 2310	3	ENG 1320	3	English Literature	3	GEO 3303	3
COMM 1310	3	POSI 2320	3	POSI 3322	3	PHIL 1305 or 1320	3
MATH 1315	3	Natural Science Component	3	Modern Language 1410	4	HIST 2312 or 2320	3
GEO 1310	3	ART, DAN, MU or TH 2313	3	ECO 2314	3	Modern Language 1420	4
US 1100	1	PFW	1	PFW	1		
Total	16	Total	16	Total	17	Total	16
Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 2312 or 2320	3	English Literature	3	International Studies Focus	3	IS 4380	3
Modern Language 2310	3	BA Science	3	Modern Language Advanced	3	International Studies Focus	9
Natural Science Component	4	Modern Language 2320	3	IS 4687	6		
International Studies Focus	6	International Studies Focus	6				
Total	16	Total	15	Total	12	Total	12

Bachelor of Arts in International Studies
Major in International Studies-International Relations
Minimum required: 120 semester hours

General Requirements:

1. Required Courses: ECO 3317; GEO 3340; HIST 3357; POSI 4356, 4359.
2. Choose two courses (6 hours) from the following: COMM 3318K, 3318M, 3329, ECO 3353; GEO 3349 (or SOCI 3320); H ED 3301, 3348; HP 3350; MC 4303; PHIL 3322 POSI 4326, 4327, 4345, 4357, 4367; PSY 4393; SOCI 3328; SOWK 3339 (when emphasis is international).
3. Choose one course from the following: HIST 3312, 3313, 3322, 4307, 4317, 4320, 4325, or 4333.
4. Choose one course from: HIST 3311, 3314, 3324, 4309, 4326, 4334, 4336, 4343, 4344, 4350B, or 4373.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	HIST 1310	3	HIST 1320	3	ECO 2315	3
POSI 2310	3	ENG 1320	3	English Literature	3	GEO 3303	3
COMM 1310	3	POSI 2320	3	POSI 3322	3	PHIL 1305 or 1320	3
MATH 1315	3	Natural Science Component	3	Modern Language 1410	4	HIST 2310 or 2311	3
GEO 1310	3	ART, DAN , MU or TH 2313	3	ECO 2314	3	Modern Language 1420	4
US 1100	1	PFW	1	PFW	1		
Total	16	Total	16	Total	17	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 2312 or 2320	3	English Literature	3	International Studies Focus	9	IS 4380	3
Modern Language 2310	3	BA Science	3	Modern Language Advanced	3	International Studies Focus	6
Natural Science Component	4	Modern Language 2320	3			Elective	3
International Studies Focus	6	International Studies Focus	6				
Total	16	Total	15	Total	12	Total	12

**Bachelor of Arts in International Studies
with emphasis in International Business
and a
Master of Business Administration
major in Business Administration (emphasis in International Business)
(5-year Integrated Program)
Minimum required: 162 semester hours**

General Requirements:

1. Must include a minimum of one semester of study abroad, which is recommended to be fulfilled through Modern Language courses or an internship course. See the advisor for other information.
2. Core requirements for the BAIS portion of this major are: ECO 2314 and 2315; GEO 1310 and 3303; HIST 2310 or 2311; HIST 2320 or 2312; POSI 3322; 3 hours advanced international elective from AG, ANTH, COMM, PHIL, PSY SOCI, GEO, HIST, POSI, MC, or a modern language (must have international content or advisor approval); 9 hours regional specialization course work consisting of one course from each of the following disciplines: GEO (3307, 3308, 3328, 3332, or 3333), HIST (3316, 3320, 3324, 3325, 3326, 3331, 4326, 4327, 4334, 4335, 4336, 4343, 4344, or 4350), and POSI (4313 4338, 4340, 4341, 4349, 4350, 4351, 4358, or 4359); IS 4387 and IS 4380 (capstone requirement – cannot be substituted).
3. Each student is required to take the Graduate Management Admission Test (GMAT) and apply for admission to the Texas State Graduate College and be accepted into the McCoy College of Business Administration MBA program before taking graduate courses. The official results of the GMAT must be on file in the Graduate College before your application for admission will be considered. Please refer to the Texas State graduate catalog for additional information.
4. Upon satisfactory completion of this 5 year Integrated Program, both degrees (BAIS and MBA) will be conferred simultaneously. If a student decides to complete only the undergraduate BAIS degree, s/he will be required to satisfactorily complete 120 hours of undergraduate courses to fulfill the minimum hours for an undergraduate degree.
5. See the academic advisor to select the BAIS Business Focus electives, the BAIS Regional Specialization courses and the BAIS International electives. See the MBA advisor to select the MBA International Business Emphasis courses.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Freshman Year - Summer I Semester		Sophomore Year - Summer II Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	ENG 2310, 2320, 2330,		Natural Science	3
POSI 2310	3	HIST 1310	3	2340, 2359 or 2360	3	POSI 2320	3
GEO 1310	3	Natural Science	4	HIST 1320	3	PFW	1
MATH 1315 or 1319	3	COMM 1310	3	PFW	1		
US 1100	1	PHIL 1305 or 1320	3				
ART, DAN, MU, or TH 2313	3						
Total	16	Total	16	Total	7	Total	7

Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester		Summer Sessions I & II (between years 2 and 3)		Junior Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 2310, 2320, 2330, 2340, 2359 or 2360	3	Modern Language 1420	4	Study abroad for Modern		BAIS Business Focus Elective	6
Modern Language 1410	4	ECO 2315	3	Language 2310, 2320		BAIS Regional Elective	6
ECO 2314	3	HIST 2312 or 2320	3	and advanced Modern		BAIS International Elective	3
HIST 2310 or 2311	3	POSI 3322	3	Language course			
GEO 3303	3	MATH 1329	3				
Total	16	Total	16			Total	15

Junior Year - 2nd Semester		Summer Sessions I & II (between years 3 and 4)		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BAIS Business Focus Elective	6	Enroll for IS 4387 Internship for SSII		BA 5351	3	MKT 5330	3
BAIS Regional Specialization	3	Take GMAT and apply to the Graduate	3	BA 5352	3	ACC 5361	3
IS 4380 (capstone)	3	College before June 1 deadline		BA 5353	3	ECO 5316	3
						QMST 5334	3
Total	12	Total	3	Total	9	Total	12

Senior Year - Summer Semester		Fifth Year - 1st Semester		Fifth Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr
MBA International Business Emphasis	6	FIN 5387	3	CIS 5318	3
		MGT 5314	3	MGT 5313	3
		MBA International Business Emphasis	3	MBA International Business Emphasis	3
Total	6	Total	9	Total	9

Minor in International Studies

The minor requires 21 semester hours, which includes a 12 hour core: GEO 1310, GEO 3303; POSI 3322; and one course from: ECO 3317; POSI 4326, 4327, 4356, 4357, 4359, 4367, and 9 hours of advanced electives: The nine hours of advanced electives are to be selected from an approved list that is available in the Center for International Studies. Please contact an advisor for this list. All courses attempted toward the minor must be completed with a minimum grade of "C" or better.

Certificate in Interamerican Studies

The Certificate in Interamerican Studies is an innovative program that seeks to educate leaders who are knowledgeable about society, history, culture, languages, government, and business between the United States, Canada, and Mexico in order to improve their ability to be successful in a number of major fields that deal with these countries including trade, conflict, resolution, cultural exchanges, hemispheric security, environmental and health threats, agriculture, access to water, Cuba, immigration and migration, drug trafficking, human rights, democratic institutions, media, public opinion, and labor. It also aims to familiarize students with the tri-lingual and tri-cultural nature of the United States, Canada, and Mexico with the aim of improving their ability to manage or work for firms or government agencies that deal with these countries. Enrollment is open to all majors and post-baccalaureate students who satisfy individual course prerequisites and who are in good academic standing at Texas State.

The certificate requires 21 hours that may be accommodated within the hours required in the undergraduate curriculum for most majors, which include: HIST 4373; POSI 4339, 4358; FR, POR, or SPAN advanced elective, and 9 hours selected from: ANTH 3314, 3345; CI 4378; COMM 3318K; ECO 3320; ENG 3393, 3394; GEO 3308; HIST 3320, 3324, 3325, 3327; IS 4380, 4687; MGT 3375; PHIL 4372; POSI 4338; and TECH 3322.

Courses in International Studies (IS)

- 4380 International Studies Seminar. (3-0) A senior-level seminar that explores international topics through reading, writing, research and group discussion. Students will be expected to produce a significant research paper. This course is required for all International Studies majors and should be taken in the senior year of undergraduate study. (WI)
- 4387 International Studies Internship. (0-10) A semester-long work and study experience in a local, national, or foreign setting. Internships must be approved by the director of the Center for International Studies. May be repeated for credit. Prerequisites: International Studies majors with 60 or more hours and a Texas State GPA of 3.00 or higher. (MC)
- 4687 International Studies Internship. (0-10) A semester long work and study experience in a local, national, or foreign setting. Internships must be approved by the director of the Center for International Studies. Open to International Studies majors and minors with 60 or more undergraduate hours and a minimum Texas State GPA of 3.00. Repeatable once for credit. (MC)

Center for Multicultural and Gender Studies

Flowers Hall 336

T: 512.245.2361 F: 512.245.1414

www.mcgs.txstate.edu

MINORS OFFERED

Diversity Studies

Women's Studies

The Center for Multicultural and Gender Studies (MCGS) in the College of Liberal Arts administers both the Diversity Studies minor at the undergraduate level and the Women's Studies minor at the graduate and undergraduate levels. MCGS helps prepare students to work and live in a pluralistic society through curricular and co-curricular activities — symposia, workshops, exhibits, theater productions, diversity reading discussions, and research projects. In addition, it assists faculty with resources and professional development activities to encourage the infusion of multiculturalism in the curriculum through a Multicultural Curriculum Transformation and Research Institute. It houses a resource area with more than 300 books, articles, syllabi and tapes. The Center sponsors a Women and Gender Research Collaborative with its own online professional peer reviewed Journal of Research on Women and Gender. Through private donations, Multicultural and Gender Studies offers annual scholarships to students. The director of MCGS works in collaboration with an advisory council of faculty and staff representing several Texas State colleges and departments.

Key issues for prospective minors to consider:

- Tomorrow's graduates will be entering a work force dominated by technological, service, and communication industries with an increasingly diverse workplace and clientele.
- Employer demand is increasing for diversity knowledge and skills among today's college students.
- In 2005, the Hispanic and African American population in Texas grew to approximately 51%--or the majority in the state. Texas already has the second largest Hispanic population, the third largest African American population, and the fourth largest Asian population.
- Well-rounded graduates have included in their liberal arts education a greater-knowledge of their cultural history and traditions.

Minor in Diversity Studies

The 18-hour minor provides for an interdisciplinary approach to Diversity Studies. It also provides conceptual frameworks for exploring new perspectives which recover the history and creative expressions previously excluded by the traditional approaches to higher education. The minor fosters students development of self, voice, and moral vision to prepare them to live and work effectively in a pluralistic society. Although not required, the minor currently offers students the option of a concentration in African American, Native American or Latino American Studies. Students may also

explore issues related to religion, age, sexual orientation, and physical ability and disability.

The required core course, (3 hours) ETHS 3301, offers a general, multidisciplinary and comparative survey. It focuses on different contemporary and historical research methodologies currently being used by the various academic disciplines analyzing the diverse social, economic, political and cultural facets of ethnic groups in the United States. Students in this course gain a working understanding of the current issues and research techniques used by professional and academic researchers. Guest lecturers from various disciplines and departments offer students recent research in their fields regarding ethnic studies and their applied methodologies.

The general requirement block (9 hours) focuses on African American, Mexican American, and Native American/American Indian groups and/or link the studies of their country of origin with current and historical research on race and ethnic relations in the U.S. Approved General Requirement Electives include: ANTH 3314, 3315, 3324, 3333, 3334, 3332, 3345, *3375C; ENG 3331, 3344; HIST 3320, 3327, 3329, 3359, 4371, 3369Z, 4372; MU 3375; POSI 4331, 4331B, 4331C; SPAN 3305, 3306, 3371 and 4370.

The general concepts electives block (6 hours) deals more broadly with concepts of ethnicity and need not be limited to the specific groups listed above. These courses provide a theoretical framework for understanding comparative, interdisciplinary approaches to the study of race, ethnicity, and gender. Approved General Concepts Electives include: ANTH 1312, 3370; ARTH 4301; ASD 3310; COMM 3329, 4322; ENG 3345, 3346; FCD 4351; GEO 3306, 3308, 3329, 3353; HIST 3353, 4376, 3372, 3375A, 3380, 4337; HON 3392E; MC 4308; POSI 3319, 3395; PSY 3334; SOWK 4310, SOCI 3327, 3366, 3375; SPAN 4330.

*Special topic courses (those offered on a selective basis) may count toward the minor with the permission of the U.S. Ethnic Studies Program Director.

Minor in Women's Studies

The 18-hour minor offers an interdisciplinary program that concentrates on the images and realities of women. Drawing on recent scholarship on women and gender, it provides a flexible, coherent program that enables students to consider the significance of gender.

On a personal level, courses in this program enhance the human potential of both men and women. Knowledge about how societies construct gender relations can encourage students to examine their own attitudes and behavior. On an academic level, a minor in Women's Studies provides study of the ongoing scholarship about women and gender and offers students the opportunity for exciting intellectual growth. On a professional level, the minor provides a valuable specialty to prepare students for opportunities in a variety of fields, including business, counseling, education, government, health and medicine, human resources, law, politics, psychology, social work, and graduate studies. The Women's Studies minor helps students recognize their opportunities in a rapidly changing society and flexibly complements any major.

All courses within the minor focus principally (at least 60% of course content) on women and/or gender roles. They reflect recent research in the field and differences such as ethnicity, class, sexualities, age, cultures, and social context among women and women's experiences. Courses within the minor also include critical analyses of the construction of knowledge and gender, foster an understanding of the intersection of gender with politics, economics, culture and society and improves student's critical thinking skills related to gender. Finally, these courses connect knowledge about gender to women's lived experiences and behavior in personal and professional contexts.

The two required core courses (6 hours) are WS 3376: Images of Women and WS 3377: Realities of Women. Both of these courses are interdisciplinary and include lectures by faculty from several disciplines and academic departments.

The remaining four elective courses (12 hours) may be chosen from the following: ANTH 3324, 3350; CJ 4326; COMM 3328, 3334; ENG 3388, 3392; HIST 3369Y, 3373; HON 3392A, 3392G, 3392P; MC 4308; PHIL 3333; POSI 4330; PSY 3332; SOCI 3350, 3370. Topics courses, offered on a selective basis, may also count toward the minor with permission from the Women's Studies Program Director.

Course in Diversity Studies (DVST)

*Special topic courses (those offered on a selective basis) may count toward the minor with the permission of the Diversity Studies Program Director.

3301 Introduction to Diversity Studies. (3-0) The course is a general, multi-disciplinary and comparative survey of U.S. diversity issues. It highlights the traditional minorities, such as African, Latino/a American, Native, and Asian Americans, as well as European American ethnic groups. It also explores issues related to religion, age, sexual orientation, gender identity, and physical ability/disability. (WI)

Courses in Women's Studies (WS)

3376 Images of Women. (3-0) This course, one of two multidisciplinary team-taught women's studies courses, is a survey of the changing images of women in the United States since 1800 through the eyes of historians, writers, artists, orators, the media, and educators. (MC) (WI)

3377 Realities of Women. (3-0) This course, one of two multidisciplinary team-taught women's studies courses, is a study of the realities faced by women in the United States today—including biological and psychological differences in males and females, politics and the law, the workforce, and the home. Gender roles in societies outside the U.S. will also be examined. (MC) (WI)

4388 Independent Research in Women's Studies. (3-0) Independent study course open to advanced students on an individual or small group basis. The research area in Women's Studies, bibliography, and study paper outline are to be approved by the instructor. Prerequisite: Approval of the Director of Multicultural and Gender Studies. (WI)

Center for the Study of the Southwest

Brazos Hall 214
T: 512.245.2224 F: 512.245.7462
www.swrhc.txstate.edu

MINOR OFFERED

Southwestern Studies

The Center for the Study of the Southwest in the College of Liberal Arts, established in February 1990, has a threefold mission: curriculum development, public outreach, and research. Its 18-hour interdisciplinary minor, administered jointly with the Department of English, was approved in 1992. The Center draws faculty from varied disciplines (Art, Biology, English, Geography, History, and others); it disseminates information about its programs and research through *Southwestern American Literature*, a biannual journal devoted to the literature and culture of the Greater Southwest, and *Texas Books in Review*, a quarterly that monitors publications from or about Texas.

Cooperatively housed with the Center for the Study of the Southwest is the Southwest Regional Humanities Center. This Center is one of nine regional centers designated by the National Endowment for the Humanities. The Southwest Regional Humanities Center promotes the exchange of knowledge about regional humanities issues among individuals, communities, and institutions across the four-state region of Texas, New Mexico, Arizona, and Nevada. The Center encourages students, teachers, and the general public to understand the power of place to build identity, honor diversity, strengthen community, and celebrate the human spirit.

Minor in Southwestern Studies

A minor in Southwestern Studies requires 18 semester hours, which includes two interdisciplinary core courses: ENG 3345 and 3346. The remaining 12 semester hours may be selected from the following: AG 2421; ANTH 3314, 3315, 3324, 3331A, 3331C; ARTH 3304, 4303; BIO 3460, 4410, 4421, 4422; CI 3332; ENG 3309, 3344, 4325; ETHS 3301; GEO 3308, 3329; HIST 3320, 3325, 3327, 3329, 3353, 3372, 4372; NHT 4301, 4302; POSI 4331, 4338, 4358; SOCI 3327, 3366; SOWK 4310; SPAN 3305, 3306, 3371, 4330, 4370.

No more than three courses, including core courses, in a single department may count toward this minor. A course may not be used to satisfy both a major and a minor requirement. Student should check with individual departments for course prerequisites. Relevant Honors and special topics courses may be substituted with permission from the Director of the Center for the Study of the Southwest.

Department of Anthropology

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www.txstate.edu/anthropology

DEGREE PROGRAM OFFERED

BA, major in Anthropology
BS, major in Anthropology

MINOR OFFERED

Anthropology

Anthropology is the study of human cultural and biological variation and evolution. It is a holistic discipline taking into consideration all aspects of human existence. Anthropology is divided into four major sub-fields: cultural anthropology, biological anthropology, archaeology, and linguistics. The anthropology program at Texas State offers coursework and training in each of these areas. Graduates enter a wide range of professions including foreign affairs, journalism, education, medicine and medical research, health professions, human resources, academia, criminal justice, museum science, international business, and contract archaeology.

Anthropology majors may choose from two degree plans. The Bachelor of Arts (BA) degree in Anthropology is designed to prepare students for professional careers or graduate study in any or all four major sub-fields. An understanding of the world's cultural and biological diversity is especially valuable in today's global economy. The Bachelor of Science (BS) degree in Anthropology is specifically designed to expand the science training of students in biological anthropology and archaeology and prepare them for careers that may require or prefer a Bachelor of Science. Students pursuing either degree have the opportunity to participate in departmental field schools, archaeological excavations, and/or an internship program to support their education and career goals.

Bachelor of Arts
Major in Anthropology
Minimum required: 120 semester hours

General Requirements:

1. A major in anthropology requires 32 semester hours of which 18 hours must be advanced courses.
2. Majors must select a minor from the approved list of minors in the degrees and programs section of this catalog.
3. Majors are required to complete ANTH 1312, 2414, 2415, and 4310 with a grade of "D" or higher.
4. Majors are required to achieve the following minimum grade point averages for graduation: Texas State GPA 2.00, major GPA 2.25, and minor GPA 2.00.
5. Nine hours of writing intensive (WI) courses are required for graduation, which can be completed by courses in the major, minor, or general education core curriculum (not including ENG 1310, 1320).
6. All students must complete a minimum of 36 advanced hours (3000 or 4000 level courses) as part of their degree.
7. The social science component of the core curriculum cannot be satisfied by the completion of ANTH 1312; majors must select an additional social science course from: ECO 2301, 2314, GEO 1310, PSY 1300, or SOCI 1310.
8. Majors must complete 6 hours of the same foreign language (2310 and 2320). Most students complete 1410 and 1420 as prerequisites before attempting 2310.
9. Majors must complete an additional science known as the BA science requirement. This course is in addition to the core curriculum natural science.
10. Majors may not receive more than six hours of credit in ANTH 4630 to satisfy Anthropology major requirements.
11. The minimum number of hours required for a degree is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the 120 and/or 36 advanced total hours required for a degree.
12. Students who complete a four-hour biological anthropology and/or archeology course at another institution may have course(s) evaluated by the Chair of the Department to determine credit for ANTH 2414 and/or 2415 can be assigned.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ANTH 1312	3	HIST 1310	3	ANTH 2414	4	ANTH 2415	4
ENG 1310	3	ENG 1320	3	HIST 1320	3	ANTH advanced electives	3
POSI 2310	3	Modern Language 1420	4	Natural Science Component	4	POSI 2320	3
Modern Language 1410	4	Natural Science Component	3-4	Modern Language 2310	3	MATH 1315, 1316, 1317, 1319,	
US 1100	1	PFW	1	COMM 1310	3	2321, 2417 or 2471	3-4
PFW	1					Modern Language 2320	3
Total	15	Total	14-15	Total	17	Total	16-17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ANTH advanced electives	3	ANTH advanced electives	3	ANTH advanced electives	3	ANTH advanced electives	6
ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	BA Science (satisfied in major)	3	ANTH 4310	3	Minor	6
PHIL 1305 or 1320	3	ART, DAN, MU, or TH 2313	3	Electives	6	Electives (as needed)	1
Minor	6	ECO 2301, 2314; GEO 1310; PSY 1300, or SOCI 1310	3	Minor	3		
		Minor	3				
Total	15	Total	15	Total	15	Total	13

**Bachelor of Science
Major in Anthropology**
Minimum required: 120 semester hours

General Requirements:

1. A major in anthropology consists of 38 semester hours of anthropology, 18 of which must be at the advanced level.
2. Majors must select a minor from the following list of lab-based science minors: biology, chemistry, physics, geology, geography, computer science, or mathematics.
3. Majors are required to complete ANTH 1312, 2414, 2415, and 4310 with a grade of "D" or higher.
4. 12 hours of writing intensive (WI) courses are required for graduation, which can be completed by courses in the major, minor, or general education core curriculum (not including ENG 1310, 1320).
5. All students must complete a minimum of 36 advanced hours (3000 or 4000 level courses) as part of their degree.
6. Majors are required to complete 6 hours of Anthropology techniques courses to be selected from: ANTH 3317, 4363, 4361, 4382, 4390, or 4630.
7. Majors may not receive more than six hours of credit for ANTH 4630 to satisfy Anthropology major requirements.
8. Majors are required to achieve the following minimum grade point averages for graduation: Texas State GPA 2.00, major GPA 2.50, and minor GPA 2.00.
7. The social science component of the core curriculum cannot be satisfied by the completion of ANTH 1312; majors must select an additional social science course from: ECO 2301, ECO 2314, GEO 1310, PSY 1300, or SOCI 1310.
8. Majors must complete 8 hours of the same foreign language (1410 and 1420) at the college level.
9. Majors must complete the English course, Technical Writing (ENG 3303), in addition to the English sophomore literature course required for core curriculum.
10. Majors must complete a statistics course from CJ 3347, GEO 3301, PSY 3301, or SOCI 3307.
11. Majors must complete an additional philosophy course, (PHIL 4355) Philosophical Theory of Science.
12. Students who complete four-hour introductory biological anthropology and/or archeology course at another institution may have course(s) evaluated by the Chair of the Department to determine if credit for ANTH 2414 and/or 2415 can be assigned.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ANTH 1312	3	HIST 1310	3	ANTH 2414	4	ANTH 2415	4
ENG 1310	3	ENG 1320	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	POSI 2320	3
POSI 2310	3	Modern Language 1420	4	MATH 1315, 1317, 2321, 2417 or 2471	3-4	COMM 1310	3
Modern Language 1410	4	BIO 1320 (or 1430 if Biology minor)	3-4	BIO 1421 (or 1431 if Biology minor)	4	ECO 2301, 2314; GEO 1310; PSY 1300, or SOCI 1310	3
US 1100	1	PFW	1	HIST 1320	3	PHIL 1305 or 1320	3
PFW	1						
Total	15	Total	14-15	Total	17-18	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ANTH advanced electives	6	ANTH advanced electives	3	ANTH advanced electives	3	ANTH advanced electives	6
PHIL 4355	3	ANTH 3317, 4363, 4361, 4382, 4390, or 4630*	3	ANTH 4310	3	ENG 3303	3
CJ 3347, GEO 3301, PSY 3301, or SOCI 3307	3	ART, DAN, MU, or TH 2313	3	ANTH 3317, 4363, 4361, 4382, 4390, or 4630*	3	Minor	3
Minor	3	Minor	6	Minor	6	Electives (as needed)	1
Total	15	Total	15	Total	15	Total	13

*BS students are required to take 6 total hours of techniques courses.

Minor in Anthropology

A minor in Anthropology requires 20 semester hours including ANTH 1312, 2414, 2415, and at least nine hours of advanced ANTH electives.

Courses in Anthropology (ANTH)

Lower-level Introductory Courses

- 1312 (ANTH 2351) Cultural Anthropology. (3-0) Examines the nature of culture and its various aspects as these are manifest in contemporary and traditional societies. Provides for increased flexibility of human culture. ANTH 1312 and 3301 may not both be counted for credit. (MC)
- 2414 (ANTH 2401) Biological Anthropology. (3-1) This lecture and accompanying laboratory course examine fundamental aspects of the biological nature of humans using evolutionary theory. Course content is divided into topics devoted to the process of evolution, genetics, the primate order, osteology, human evolution, and variability and adaptation.
- 2415 General Archaeology. (3-1) This course covers the basic principles of archaeology. It includes a study of the kinds of sites; classification of stone artifacts; methods of archaeological survey and excavation; methods of dating by geological, faunal, and radiometric means; and the theoretical approach to archaeology. This course includes a two-hour weekly laboratory.

Advanced Anthropology Courses

- 2375 Introduction to Linguistic Anthropology. (3-0) This course provides a general entry-level introduction to the study of language origin, its evolution and diversity. It also examines the interactions between language, culture and society including modes of communication such as writing and will discuss the complex interrelationships between language and other aspects of culture.
- 3301 Principles of Cultural Anthropology. (3-0) This course is an ethnographically-based analysis of major theoretical positions and debates in contemporary anthropology. (WI)
- 3302 Introduction to Linguistic Anthropology. (3-0) This course provides an introduction to the study of linguistic anthropology. We will focus on the origin of language and its evolution and diversity, the interactions between language, culture and society, and modes of communication. This course will enhance a student's awareness of the complex interrelationships between language and other aspects of culture. (MC)
- 3305 Magic, Ritual and Religion. (3-0) An examination of magic and religion in cultures of the world with an emphasis on recent works dealing with mysticism and the occult. (MC)
- 3306 World Prehistory. (3-0) This course presents a survey of the prehistoric human record throughout the world. It focuses upon the achievements of early and modern humans, world colonization events, and the development of complex societies.
- 3309 Cultures Through Film. (3-0) Through films, lectures, and discussions, students explore the various ways that ethnographic film interprets the cultural environment and social interactions of small-scale cultures around the world. We will also discuss anthropological interpretations of how historically

U.S. (American) culture has dealt with concepts of the "other" and supernatural phenomena through film. (MC)

- 3314 Latin American Cultures. (3-0) An examination of Latin American cultures with an emphasis on pre-Columbian and contemporary indigenous peoples of Mexico. (MC)
- 3315 Archaeology of the Southwest. (3-0) An examination of the prehistory and early cultures of the Greater Southwest from the first arrival of humans as early as 20,000 years ago to the coming of the Spaniards in the 16th century. The course covers several mammoth kill sites at the end of the Pleistocene; the emergence of Archaic hunters and gatherers and the appearance of agriculture about two thousand years ago, leading to the three major cultures in the southwest-the Mogollon, the Hohokam and the Anasazi, the last in multi-storied pueblos and cliff dwellings. (MC)
- 3316 The Origin and Evolution of Human Behavior. (3-0) This course presents our current understanding of Old World Paleolithic Archaeology. The origin and evolution of hominid behavior, the initial colonization of the Old World, and the development of modern human behavior will be discussed for each continent. (WI)
- 3317 Rock Art Field Methods. (3-0) This course will train students in rock art field methods. They will gain first-hand experience recording rock art sites through photography, field sketches, mapping, and written inventories. Students will generate a visual and written description of the art, which they will use to infer and explain past human behavior.
- 3318 Texas Archaeology. (3-0) This course will present our current understanding of Texas archaeology. The environmental and social contexts of prehistoric, protohistoric, and historic records of Native American and Spanish occupations in Texas are discussed. (MC)
- 3319 Human Growth and Development. (3-0) In this course students focus on the life history of humans from birth to death, and consider how humans grow and change both biologically and psychologically over the course of their lives. Topics include life stages, sex differences, nutrition, environment, growth disorders, and the evolution of human growth.
- 3322 Peoples and Cultures of Africa. (3-0) A general introduction to the contemporary peoples and cultures of sub-Saharan Africa. Examines the social structure, economy, political systems, and religions of African cultures in the context of the radical economic and social transformations affecting the area. (MC)
- 3323 Cultures of the Middle East. (3-0) This course deals with contemporary societies from Morocco to Iran. It reviews geography and history of the Middle East and the various religions found there with an emphasis on Islam. The course describes various ethnic groups and their organization as nomad, village, or urban dwellers. The role of women in Middle East society is discussed. (MC) (WI)
- 3324 Mexican American Culture. (3-0) An examination of the history and culture of Mexican Americans with an emphasis on the analytical concepts of culture, race, class, and gender. Lectures, films, and selected readings (including chapters from anthropological and literary books and journals) will be used to portray the diversity of Mexican American experiences in this country. Topics include religion, politics,

- economy, identity politics, popular culture, sexuality, marriage and the family. (MC)
- 3326 Maya History and Society. (3-0) The purpose of this course is to develop a knowledge of Maya Civilization from historical as well as anthropological perspectives. Students will study the features of the Classic Period Maya and modern Maya societies including the religious and economic life styles. (MC)
- 3328 Primate Cognition. (3-0) In this course students investigate historical and current views regarding the cognitive capacities of nonhuman primates, and the extent to which these abilities are shared with humans. Topics include social cognition, numerical cognition, problem solving, tool use, culture, communication, theory of mind, deception, self-recognition, and imitation.
- 3332 Myths and Moundbuilders. (3-0) This course presents an anthropological approach to Native Americans of the Southeastern United States, their culture and beliefs. (MC)
- 3333 North American Indians. (3-0) This course will examine the prehistoric development of native, North American culture with special emphasis on art, religion, and the cultural mechanisms through which native Americans deal with non-native American contemporary social and political developments. Prerequisite: ANTH 1312. (MC)
- 3334 Indians of the Southwest. (3-0) This course is a survey of the life and cultural patterns of Indian groups in the greater Southwest before and after Spanish and American contact.
- 3336 Community Research Project. (3-0) This course gives students the opportunity to conduct hands-on anthropological research on a variety of topics in local or other communities. Students will undertake individualized research projects designed in conjunction with the professor. Students must consult with the professor prior to enrollment to design the research project and receive approval.
- 3338 Geoarchaeology. (3-0) This course will teach students how to interpret sediments and the nature of sediment accumulation at archeological sites. Course topics include sedimentology, natural depositional environments, weathering processes and soil development, stratigraphic analysis, and archaeological site formation processes.
- (WI) 3340 Human and Primate Origins. (2-1) An examination of the long and diverse record of human and nonhuman biological adaptations as viewed from the fossil record. It examines the functional and ecological challenges that may have been responsible for the path of human development.
- 3342 Primate Behavior. (2-1) This course examines a wide variety of aspects of ecology, identification, and behavior among the living primates (prosimians, monkeys, apes, and humans). Topics which are emphasized include general primate trends, social structure and composition, communication, aggression and dominance, socialization, and primate psychology.
- 3343 Human Variation and Adaptation. (3-0) This course examines the physical variation observable within and between human populations. It emphasizes a functional approach whereby variation is examined in relation to biological adaptation. It explores the biological mechanisms responsible for change and evaluates the potential of biological components in human behavior.
- 3345 Archaeology of Mexico. (3-0) This course examines the development of culture from early hunters and gatherers through the appearance of agriculture to the rise of civilization. The focus on the course is on the emergence of complex society among groups such as the Olmec, Aztec, and Maya. (MC)
- 3347 Archaeology of North America. (3-0) This course describes human settlement of North America from the end of the Pleistocene to European discovery. It considers early occupation of arctic, plains, and forested regions and development during archaic times of Adena, Hopewell, and Mississippian societies in the Southeast and Mogollon, Hohokam, and Anasazi in the Southwest.
- 3348 Rainforest Ecology. (3-0) In this course students will learn about the ecology and conservation of rainforest flora and fauna by participating in fieldwork in the rainforests of Mexico. Prior introductory biological anthropology, animal behavior, botany, or biology courses are helpful but are not required to register for this course.
- 3349 The Incas. (3-0) The Incas were the largest Pre-Columbian empire in the Americas and this course will explore the origins of this civilization and how they conquered such a large area of South America. Using archaeological and historic information the class will examine various aspects of Inca society including religion, economics, and kingship.
- 3350 Gender and Sexuality in Cross-cultural Perspective. (3-0) This course examines historical and contemporary issues related to gender and sexuality from a global, cross-cultural perspective. It will focus on cultural constructions of gender and sexuality, including gender stratifications, biology and evolution, families and kinship, work, sex work, diverse sexualities, media representations, and domestic and sexual violence. (MC)
- 3354 Latin American Gender and Sexuality. (3-0) This course examines cultural constructions of gender and sexuality among both the indigenous and immigrant populations throughout the Americas, with a special emphasis on gender inequalities in Greater Latin America. (MC)
- 3356 Archaeology of Andean Civilizations. (3-0) This course examines the cultures of the Andes Region of South America with an emphasis on pre-Columbian and contemporary peoples of the area.
- 3355 Introduction to Yucatec/Lacandon Maya. (3-0) This course introduces students to the fundamentals of the language of the Maya Indians of southern Mexico through lecture and "hands-on" class exercises with native Maya speakers.
- 3360 Economic Anthropology. (3-0) Reviews central issues in economic anthropology, using both case studies and theoretical writings. Analyzes production, exchange, distribution, consumption, property, economic surplus, inheritance, and types of economic structure. Materials will cover hunter-gatherer societies, simple agricultural societies, pre-capitalist complex state societies, and issues of development in non-industrialized countries.
- 3363 The Art and Archaeology of the Olmec. (3-0) This course will present our current understanding of the art and archaeology of the Olmec culture, the earliest known civilization in North America. The Olmec culture is considered the influential foundation for later Mesoamerican civilizations such as the Maya and the Aztec.
- 3364 Biological Basis of Human Behavior. (3-0) Students in this course evaluate studies on the biological basis of human behavior and explore the question of whether behavioral

- patterns are genetically fixed. It includes popular and scientific approaches to themes such as the evolution of human behavior, biology and behavior, race and racism, biological determinism, and human universals.
- 3375 Special Topics in Anthropology. (3-0) Analysis and interpretations of selected topics of special interest in the area of social, biological, and/or archaeological anthropology. Topics discussed and instructors will vary from semester to semester. May be repeated with different emphasis for additional credit.
- 3375Z Human Speech Sounds. (3-0) The course is an introductory overview of human speech production and perception from an anthropological perspective. It describes speech anatomy and pays particular attention to the description of the acoustic and articulatory properties of speech as it occurs in real time. Students will study articulatory, acoustic, and auditory phonetics. (WI)
- 3376 Special Topics in Anthropology. (3-0) Analysis and interpretations of selected topics of special interest in the area of social, biological, and/or archaeological anthropology. Topics discussed and instructors will vary from semester to semester. May be repeated with different emphasis for additional credit.
- 3376A Mixtec Codices: Prehispanic Literature of Oaxaca. (3-0) This course surveys the dominant prehispanic cultures of Oaxaca, the Zapotec and Mixtec Indians, and focuses on the Mixtec pictogram fan-fold books called codices. (WI)
- 3376B Archaeological Myths and Mysteries. (3-0) This course is a critical examination exploring myths, mysteries, frauds, and fantasies surrounding archaeology. Topics include sunken continents, aliens, early visits to the Americas, archaeoastronomy, psychic methods, diverse claims about the past, good and bad uses of archaeological evidence, and the persistence of popular misconceptions about archaeology and history.
- 3376C Comparative Juvenile Behavior. (3-0) This course will give students a thorough understanding of the comparative method through examples from the development of juvenile animals. It will introduce students to socio-ecology, neurobiology, and life-history markers, with information that they can apply across disciplines. (WI)
- 3376D History of Evolutionary Thought. (3-0) This course discusses the impact of evolutionary discourse within the context of its history, such as the social mores and beliefs of the period. Students will develop a thorough understanding of evolution and its importance to anthropology, as well as to other scientific disciplines. (WI)
- 3376F Applied Medical Anthropology. (3-0) An introduction to the historical and cultural development of healthcare in American society with special emphasis on the anthropological analysis of health care delivery, professional behavior, and language.
- 3376G Aztec: Native Americans and Empire. (3-0) This course presents an understanding of Aztec culture through Archaeology, the interpretation of art, religion, and architecture, and the formation of a highly specialized and stratified society with an imperial administration. The course will emphasize an intellectual and religious outlook in intimate contact with the earth, sky, and the seasons. (WI)
- 3376J Anthropology of Religion and Fundamentalism. (3-0) This course examines the phenomenon of fundamentalism in a variety of religious traditions, both present and historical. Explores the political and social ramifications of fundamentalism in a world characterized by multiculturalism and globalization.
- 3376K Japan and American Cultures. (3-0) This course examines Japanese culture and American culture in comparative perspective. It explores both the similarities and the differences between the two cultures and examines the ways in which they have affected each other.
- 3376L Cultural Resource Management and Archaeology. (3-0) This course surveys Cultural Resource Management (CRM) archaeology, the conservation and investigation of archaeological remains as mandated by federal and state laws. The course covers the history of CRM and its legal and regulatory framework, organization, methods, funding, employment prospects, and ethical and practical dilemmas. Prerequisite: ANTH 2415.
- 3376M The Anthropology of Native American Belief Systems. (3-0) In this course students use anthropological approaches to investigate past and present Native American belief systems in order to determine the temporal range and evolving complexity of Native American religious and ritual expression.
- 3376N Curation of Archaeological Materials. (3-0) This course provides students with the skills to prepare archaeological materials for curation, which includes the processes and techniques used to stabilize and preserve organic and inorganic materials. This training can be used to gain certification in the field of archaeological curation. Prerequisite: 2415.
- 3380 Forensic Anthropology. (3-0) Forensic Anthropology is the recovery and analysis of human skeletal remains for modern legal inquiry. This course is an overview of the field of Forensic Anthropology illustrated with real forensic cases.
- 3381 Human Osteology. (1-3) The foundation of biological anthropology is the study of the human skeleton. This is a lab-intensive course in which students will learn how to identify skeletal elements, both whole and fragmentary.
- 4315 Archaeological Artifact Identification and Analysis. (3-0) This course will train students to describe and analyze artifacts commonly recovered from archaeological sites. Current theories covering the production and analysis of chipped and ground stone tools, ceramics, bone and other materials will be presented, and scientific analytical methods discussed. Prerequisites: ANTH 2415 and one additional archaeology course.
- 4320 Rise of Civilization. (3-0) This course consists of a definition of civilization and its components, its geographic setting, and the roles of religion, art, and the institution of the "Divine King" in the development of dynamic state societies in Egypt, Sumeria, the Indus Valley, and China in the Old World and that of the Olmec in Mexico and Chavin in Peru. (MC) (WI)
- 4361 Field Methods in Cultural Anthropology. (3-0) This course teaches students how to conduct field research in cultural anthropology. Topics include research ethics, problem formulation, participant observation, interviewing, and other techniques for data collection and analysis. Students will conduct their own field research project under the instructor's supervision. (WI)

- 4363 **Field Methods in Primate Behavior.** (3-0) In this course, students will learn about the behavior, ecology, and conservation of living nonhuman primates in the rainforests of Mexico. Prior introductory physical anthropology or biology courses are helpful but not required to register for this course.
- 4380 **Language, Culture and Society.** (3-0) This course seeks to introduce students to the fundamentals of linguistic anthropology, and the use of linguistics in anthropological fieldwork through lecture, discussion, and “hands on” class exercises.
- 4381 **Paleopathology.** (3-0) This course focuses on the study of diseases and maladies of ancient populations, and will survey the range of pathology on human skeletons from trauma, infection, syphilis, tuberculosis, leprosy, anemia, metabolic disturbances, arthritis, and tumors. Prerequisite: ANTH 3381. (WI)
- 4382 **Methods in Skeletal Biology.** (1-3) This course is for students who wish to advance their osteological skills. Students will learn how to identify isolated and fragmentary skeletal remains to estimate age, sex, ancestry, stature, and health of an individual in past and present contexts. Prerequisite: ANTH 3381.
- 4383 **Forensic Identification.** (1-4) This course teaches students how to analyze and write professional Forensic Anthropology reports. Students will work on cold cases in the laboratory to prepare biological profiles of unknown victims. Prerequisite: ANTH 4382 with a grade of “C” or higher. (WI)
- 4391 **Anthropology at Work.** (3-0) Its focus is the process that identifies the knowledge, skills, and demeanor marking the passage from student to professional. Internship experiences are used to discuss how anthropological training is applied outside traditional academic careers.
- 4630 **Archaeological Field School.** (1-5) This course is designed to train students in the skills and techniques of modern archaeological survey and excavation of prehistoric sites. May be repeated for credit, but only six hours may be applied toward the major.

Advanced-level Anthropology Theory (Capstone)

- 4310 **History of Anthropological Thought.** (3-0) This capstone course is a historical survey of the major theoretical developments in Archaeology, Cultural and Biological Anthropology in the last two hundred years. The course emphasizes the interrelationships between the three subdisciplines and how theoretical innovations in each area have affected the others. Prerequisites: ANTH 1312, ANTH 2414, ANTH 2415. (WI)

Advanced-level Independent Study in Anthropology

- 4360 **Directed Study.** (3-0) A one-semester course of independent reading, tutorial sessions, and individual research projects. Open to superior students by invitation of the professor and with the consent of the chair of the department May be repeated for credit with permission of instructor.

Advanced-level Internship Class

- 4390 **Internship in Anthropology.** (0-20) This course provides students with professional development through work or research-related experience. It includes a 250-hour internship and written report. Prerequisites: Anthropology major, junior or senior standing, ANTH 1312, ANTH 2414, ANTH 2415, and a minimum 2.5 GPA in Anthropology. (WI)

Department of English

Flowers Hall 365

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DEGREE PROGRAMS OFFERED

BA, major in English

BA, major in English

(with Secondary Teacher Certification)

BA, major in English (Creative Writing Emphasis)

BA, major in English (Professional Writing Emphasis)

MINORS OFFERED

English

Writing

Media Studies

Medieval and Renaissance Studies

Southwestern Studies

The English Department offers courses in various areas of the discipline of English Studies, including rhetoric and composition, creative and technical writing, film and media studies, literature, and language. English majors learn to think, write, and speak clearly; to read literature with pleasure and understanding; and to appreciate the power and subtlety of language.

While gaining a broad liberal education, English majors also learn practical skills that provide a base for almost any career. Graduates traditionally enter the fields of education, journalism, publishing, or communications. They also work for computer, engineering, and public relations firms or pursue careers in politics and government. An English background provides excellent training for law school and other graduate programs.

**Bachelor of Arts
Major in English**
Minimum required: 120 semester hours

General Requirements:

1. Major requires 36 hours of English.
2. Majors must satisfy general education core curriculum and BA degree requirements.
3. Majors must complete an approved minor.
4. The number of free electives a student will complete depends on the number of hours a student may need to achieve to the 120 and/or the 36 advanced total hours required.
5. Majors must take at least 6 hours of Literature before 1800. Courses that satisfy this requirement are identified by an asterisk (*) in items 7 and 9.
6. ENG 1310 and 1320 are prerequisites to all other English courses.
7. Majors will select any two of the following sophomore literature courses: *2310, 2320, *2330, 2340, *2359, 2360. Students who earn a grade of "B" or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than six hours of sophomore literature may count toward the major.
8. ENG 3301 is required, and majors should take it immediately after completing the sophomore literature requirement.
9. In addition to ENG 3301, majors must complete seven advanced courses. Majors must take at least one advanced course from each of the four groups listed below. They also select nine hours of electives from one or more groups. In selecting from groups or in choosing electives, students are encouraged to take at least two courses that center on genre, theme, or theory. One of the advanced courses must focus on the works of a single author (ENG 3343, *3354, *4351, *4355, or *4358). The department recommends that students take this course at the end of the major.

Group A-British Literature: *3351, *3352, *3353, *3354, *3356, *3357, *3359, 3362, 3365, 3368, 3370, *4351, *4355, *4358.

Group B-American Literature: 3309, 3326, 3331, *3333, 3335, 3336, 3338, 3344, 3345, 3346, 3347, 4325, 4334.

Group C-World Literature: 3321, 3322, 3323, 3325, *3327, 3328, 3329, 3341, *3350, 3385, 3386, 3388, *3392, 3393.

Group D-Forms, Language, and Writing: 3302, 3303, 3304, 3307, 3311, 3315, 3316, 3319, 3320, 3340, 3342, 3343, 3348, 3349, 3389, 4310, 4323, 4348, 4349.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	HIST 1310	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	POSI 2320	3
ENG 1310	3	ENG 1320	3	HIST 1320	3	ENG 2310, 2320, 2330, 2340, 2359 or 2360	3
US 1100	1	Modern Language 1420	4	MATH 1315 or higher	3	BA Science Requirement	3
POSI 2310	3	Natural Science Component	4	Modern Language 2310	3	Social Science Component	3
Modern Language 1410	4	PFW two courses	2	PHIL 1305 or 1320	3	Modern Language 2320	3
Natural Science Component	3					Minor	3
Total	17	Total	16	Total	15	Total	18

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 3301	3	ENG, advanced	6	ENG, advanced	6	ENG, advanced	9
ART, DAN, MU, or TH 2313	3	Electives (as needed)	6	Electives (as needed)	3	Minor	6
Minor	6	Minor	3	Minor	3		
Total	12	Total	15	Total	12	Total	15

Bachelor of Arts
Major in English
(with Single Field Teacher Certification)
Minimum required: 129 semester hours

General Requirements:

1. Major requires 36 hours of English.
 2. Majors must satisfy general education core curriculum and BA degree requirements.
 3. Majors must complete an approved minor.
 4. Majors with teacher certification must complete the following education courses: CI 3325, 4332, 4370, 4343, RDG 3323; and EDST 4681 (Student Teaching).
 5. Majors must take at least 6 hours of Literature before 1800. Courses that satisfy this requirement are identified by an asterisk (*) in items 7 and 9.
 6. ENG 1310 and 1320 are prerequisites to all other English courses.
 7. Majors will select any two of the following sophomore literature courses: *2310, 2320, *2330, 2340, *2359, 2360. Students who earn a grade of "B" or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than six hours of sophomore literature may count toward the major.
 8. ENG 3301 is required, and majors should take it immediately after completing the sophomore literature requirement.
 9. In addition to ENG 3301, majors must complete seven advanced courses. Majors must take at least one advanced course from Group A and one from Group C, two courses from Group B, and two specified courses from Group D: ENG 3319 or 4310, and ENG 3389. They also select a three-hour elective from one group. In selecting their advanced courses, students are encouraged to take at least two courses that center on genre, theme, or theory. One of the advanced courses must focus on the works of a single author (ENG 3343, *3354, *4351, *4355, or *4358). The department recommends that students take this course at the end of the major.
- Group A-British Literature: *3351, *3352, *3353, *3354, *3356, *3357, *3359, 3362, 3365, 3368, 3370, *4351, *4355, *4358.
Group B-American Literature: 3309, 3326, 3331, *3333, 3335, 3336, 3338, 3344, 3345, 3346, 3347, 4325, 4334.
Group C-World Literature: 3321, 3322, 3323, 3325, *3327, 3328, 3329, 3341, *3350, 3385, 3386, 3388, *3392, 3393.
Group D-Forms, Language, and Writing: 3302, 3303, 3304, 3307, 3311, 3315, 3316, 3319, 3320, 3340, 3342, 3343, 3348, 3349, 3389, 4310, 4323, 4348, 4349.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	HIST 1310	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	POSI 2320	3
ENG 1310	3	ENG 1320	3	HIST 1320	3	ENG 2310, 2320, 2330, 2340, 2359 or 2360	3
US 1100	1	Modern Language 1420	4	MATH 1315 or higher	3	BA Science Requirement	3
POSI 2310	3	Natural Science Component	4	Modern Language 2310	3	Social Science Component	3
Modern Language 1410	4	PFW two courses	2	PHIL 1305 or 1320	3	Modern Language 2320	3
Natural Science Component	3			ART, DAN, MU, or TH 2313	3	ENG 3301	3
Total	17	Total	16	Total	18	Total	18

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CI 4332, 3325	6	Minor	9	ENG 3389	3	EDST 4681	6
Minor	3	ENG advanced electives	9	CI 4370, 4343; RDG 3323	9		
ENG advanced	9			Minor	6		
Total	18	Total	18	Total	18	Total	6

Bachelor of Arts
Major in English
(with Two Fields Teacher Certification)
Minimum required: 129 semester hours

General Requirements:

1. Major requires 36 hours of English.
 2. Majors must satisfy general education core curriculum and BA degree requirements.
 3. Majors must complete a second teaching field.
 4. Majors with teacher certification must complete the following education courses: CI 3325, 4332, 4370, 4343, RDG 3323; and EDST 4681 (Student Teaching).
 5. Majors must take at least 6 hours of Literature before 1800. Courses that satisfy this requirement are identified by an asterisk (*) in items 7 and 9.
 6. ENG 1310 and 1320 are prerequisites to all other English courses.
 7. Majors will select any two of the following sophomore literature courses: *2310, 2320, *2330, 2340, *2359, 2360. Students who earn a grade of "B" or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than six hours of sophomore literature may count toward the major.
 8. ENG 3301 is required, and majors should take it immediately after completing the sophomore literature requirement.
 9. In addition to ENG 3301, majors must complete seven advanced courses. Majors must take at least one advanced course from Group A and one from Group C, two courses from Group B, and two specified courses from Group D: ENG 3319 or 4310, and ENG 3389. They also select a three-hour elective from one group. In selecting their advanced courses, students are encouraged to take at least two courses that center on genre, theme, or theory. One of the advanced courses must focus on the works of a single author (ENG 3343, *3354, *4351, *4355, or *4358). The department recommends that students take this course at the end of the major.
- Group A-British Literature: *3351, *3352, *3353, *3354, *3356, *3357, *3359, 3362, 3365, 3368, 3370, *4351, *4355, *4358.
Group B-American Literature: 3309, 3326, 3331, *3333, 3335, 3336, 3338, 3344, 3345, 3346, 3347, 4325, 4334.
Group C-World Literature: 3321, 3322, 3323, 3325, *3327, 3328, 3329, 3341, *3350, 3385, 3386, 3388, *3392, 3393.
Group D-Forms, Language, and Writing: 3302, 3303, 3304, 3307, 3311, 3315, 3316, 3319, 3320, 3340, 3342, 3343, 3348, 3349, 3389, 4310, 4323, 4348, 4349.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	HIST 1310	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	POSI 2320	3
ENG 1310	3	ENG 1320	3	HIST 1320	3	ENG 2310, 2320, 2330, 2340, 2359 or 2360	3
US 1100	1	Modern Language 1420	4	MATH 1315 or higher	3	BA Science Requirement	3
POSI 2310	3	Natural Science Component	4	Modern Language 2310	3	Social Science Component	3
Modern Language 1410	4	PFW two courses	2	PHIL 1305 or 1320	3	Modern Language 2320	3
Natural Science Component	3			ART, DAN, MU, or TH 2313	3	ENG 3301	3
Total	17	Total	16	Total	18	Total	18

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CI 4332, 3325	6	Minor	9	ENG 3389	3	EDST 4681	6
ENG advanced electives	9	ENG advanced electives	9	CI 4370, 4343; RDG 3323	9		
Minor	3			Minor	6		
Total	18	Total	18	Total	18	Total	6

Bachelor of Arts
Major in English
(with Creative Writing Emphasis)
Minimum required: 120 semester hours

General Requirements:

1. Major requires 36 hours of English.
2. Majors must satisfy general education core curriculum and BA degree requirements.
3. Majors must complete an approved minor.
4. The number of free electives a student will complete depends on the number of hours a student may need to achieve to the 120 and/or the 36 advanced total hours required.
5. Majors must take at least 6 hours of Literature before 1800. Courses that satisfy this requirement are identified by an asterisk (*) in items 7 and 9.
6. ENG 1310 and 1320 are prerequisites to all other English courses.
7. Majors will select any two of the following sophomore literature courses: *2310, 2320, *2330, 2340, *2359, 2360. Students who earn a grade of "B" or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than six hours of sophomore literature may count toward the major.
8. ENG 3301 is required, and majors should take it immediately after completing the sophomore literature requirement.
9. In addition to ENG 3301, majors must complete seven advanced courses. Majors must take one advanced course from Groups A, B, and C, and three specified courses from Group D: ENG 3315 and either ENG 3348 and 4348 (fiction track) or ENG 3349 and 4349 (poetry track). They also select one three-hour elective from one of the groups. In selecting from groups or in choosing electives, students are encouraged to take at least two courses that center on genre, theme, or theory. One of the advanced courses must focus on the works of a single author (ENG 3343, *3354, *4351, *4355, or *4358). The department recommends that students take this course at the end of the major.

Group A-British Literature: *3351, *3352, *3353, *3354, *3356, *3357, *3359, 3362, 3365, 3368, 3370, *4351, *4355, *4358.

Group B-American Literature: 3309, 3326, 3331, *3333, 3335, 3336, 3338, 3344, 3345, 3346, 3347, 4325, 4334.

Group C-World Literature: 3321, 3322, 3323, 3325, *3327, 3328, 3329, 3341, *3350, 3385, 3386, 3388, *3392, 3393.

Group D-Forms, Language, and Writing: 3302, 3303, 3304, 3307, 3311, 3315, 3316, 3319, 3320, 3340, 3342, 3343, 3348, 3349, 3389, 4310, 4323, 4348, 4349.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	HIST 1310	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	POSI 2320	3
ENG 1310	3	ENG 1320	3	HIST 1320	3	ENG 2310, 2320, 2330, 2340, 2359 or 2360	3
US 1100	1	Modern Language 1420	4	MATH 1315 or higher	3	BA Science Requirement	3
POSI 2310	3	Natural Science Component	4	Modern Language 2310	3	Social Science Component	3
Modern Language 1410	4	PFW two courses	2	PHIL 1305 or 1320	3	Modern Language 2320	3
Natural Science Component	3						
Total	17	Total	16	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 3301	3	ENG 3348 (Fiction) or ENG 3349 (Poetry)	3	ENG, advanced	9	ENG 4348 (Fiction) or ENG 4349 (Poetry)	3
ART, DAN, MU, or TH 2313	3	ENG, advanced	3	Minor	6	Minor	6
ENG 3315	3	Electives (as needed)	3			Electives as needed	6
Minor	6	Minor	3			Total	
Total	15	Total	12	Total	15		15

Bachelor of Arts
Major in English (with Professional Writing Emphasis)
Minimum required: 120 semester hours

General Requirements:

1. Major requires 36 hours of English.
2. Majors must satisfy general education core curriculum and BA degree requirements.
3. Majors must complete an approved minor.
4. The number of free electives a student will complete depends on the number of hours a student may need to achieve to the 120 and/or the 36 advanced total hours required.
5. Majors must take at least 6 hours of Literature before 1800. Courses that satisfy this requirement are identified by an asterisk (*) in items 7 and 9.
6. ENG 1310 and 1320 are prerequisites to all other English courses.
7. Majors will select any two of the following sophomore literature courses: *2310, 2320, *2330, 2340, *2359, 2360. Students who earn a grade of "B" or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than six hours of sophomore literature may count toward the major.
8. ENG 3301 is required, and majors should take it immediately after completing the sophomore literature requirement.
9. In addition to ENG 3301, majors must complete seven advanced courses. Majors must take one advanced course from Groups A, B, and C, and three specified courses from Group D: ENG 3303, 3304, 3311, or 3342. They also select one three-hour elective from one of the groups. In selecting their advanced courses, students are encouraged to take at least two courses that center on genre, theme, or theory. One of the advanced courses must focus on the works of a single author (ENG 3343, *3354, *4351, *4355, or *4358). The department recommends that students take this course at the end of the major.

Group A-British Literature: *3351, *3352, *3353, *3354, *3356, *3357, *3359, 3362, 3365, 3368, 3370, *4351, *4355, *4358.

Group B-American Literature: 3309, 3326, 3331, *3333, 3335, 3336, 3338, 3344, 3345, 3346, 3347, 4325, 4334.

Group C-World Literature: 3321, 3322, 3323, 3325, *3327, 3328, 3329, 3341, *3350, 3385, 3386, 3388, *3392, 3393.

Group D-Forms, Language, and Writing: 3302, 3303, 3304, 3307, 3311, 3315, 3316, 3319, 3320, 3340, 3342, 3343, 3348, 3349, 3389, 4310, 4323, 4348, 4349.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	HIST 1310	3	ENG 2310, 2320, 2330, 2340, 2359, or 2360	3	POSI 2320	3
ENG 1310	3	ENG 1320	3	HIST 1320	3	ENG 2310, 2320, 2330, 2340, 2359 or 2360	3
US 1100	1	Modern Language 1420	4	MATH 1315 or higher	3	BA Science Requirement	3
POSI 2310	3	Natural Science Component	4	Modern Language 2310	3	Social Science Component	3
Modern Language 1410	4	PFW two courses	2	PHIL 1305 or 1320	3	Modern Language 2320	3
Natural Science Component	3						
Total	17	Total	16	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 3301	3	ENG Prof Writing Emphasis	6	ENG, advanced	6	ENG, advanced	6
ART, DAN, MU, or TH 2313	3	Electives as needed	3	Electives (as needed)	3	Electives (as needed)	3-6
Minor	3	Minor	6	Minor	3-6	Minor	3
ENG Prof Writing Emphasis	3						
Electives as needed	3						
Total	15	Total	15	Total	12-15	Total	12-15

Minor in English

A minor in English requires 24 semester hours, including ENG 1310 and 1320; 6 hours from ENG *2310, 2320, *2330, 2340, *2359, or 2360; and 12 hours of advanced ENG electives. Students who earn a grade of “B” or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than six hours of sophomore literature may count toward the minor. Minors must take advanced courses from at least two different groups (Group A-British Literature, Group B-American Literature, Group C-World Literature, or Group D-Forms, Language, and Writing). Minors must complete 3 hours of Literature before 1800. Sophomore courses that satisfy this requirement are identified above with an asterisk (*); advanced courses that satisfy it are identified under the Major in English “General Requirements,” item 9. Minors are encouraged to complete one course that centers on genre, theme, or theory.

Minor in Writing

A minor in Writing requires 24 semester hours, including: ENG 1310 and 1320; 3 hours from ENG 2310, 2320, 2330, 2340, 2359, or 2360; ENG 3311; one advanced ENG literature elective; and 9 hours from ENG 3303, 3304, 3315, 3342, 3348, 3349, 4348, or 4349.

Students may choose an emphasis in creative writing or professional writing, or they may take courses in both types of writing. Students should check course descriptions below for prerequisites to ENG 3348, 3349, 4348, and 4349.

Students majoring in English may not minor in writing.

Minor in Media Studies

A minor in Media Studies requires 18 semester hours, including two core courses: MC 3319 and ENG 3307. Students select the remaining 12 hours from the following courses: ANTH 3309; ARTH 4304; COMM 4307; ENG 3302, 3309, 3316, 3326, 3327, 3329; FCS 3391; GEO 2411, 3416, 4412, 4422, 4426, 4427; MC 3355, 3375, 4301, 4336B 4382I; POSI 4301; SPAN 4350; or TH 3342, 4363.

No more than three courses, including core courses, in a single department may count toward this minor. A course may not be used to satisfy both a major and a minor requirement. Students should check with individual departments for course prerequisites. Relevant Honors courses and special topics courses may be substituted with permission from the Director of Media Studies.

Minor in Medieval and Renaissance Studies

A minor in Medieval and Renaissance Studies requires 24 semester hours, including two core courses: ENG 2310 or 2330 and HIST 2310 or 2311. Students select the remaining 18 hours from the following: ARTH 2301, 2302, 4306, 4322; DAN 4368, 4369; ENG 3319, 3350, 3351, 3352, 3353, 3354, 3356, 3392, 4351, 4355, 4358; FR 3301; GER 3301; HIST 3312, 3315, 4307, 4317, 4320; MATH 4311; MU 3315; PHIL 2311; POSI 3332, 3333, 4313; SPAN 3301; TECH 3322; or TH 3320, 3346.

No more than three courses, including core courses, in a single department may count toward this minor. A course may not be

used to satisfy both a major and a minor requirement. Students should check with individual departments for course prerequisites. Relevant Honors courses and special topics courses may be substituted with permission from the Director of Medieval and Renaissance Studies.

Minor in Southwestern Studies

A minor in Southwestern Studies requires 18 semester hours, including two interdisciplinary core courses: ENG 3345 and 3346. Students select the remaining 12 semester hours from the following courses: AG 2421; ANTH 3314, 3315, 3324, 3331A, 3331C; ARTH 3304, 4303; BIO 3460, 4410, 4421, 4422; CI 3332; ENG 3309, 3344, 4325; ETHS 3301; GEO 3308, 3329; HIST 3320, 3325, 3327, 3329, 3353, 3372, 4372; NHT 4301, 4302; POSI 4331, 4338, 4358; SOCI 3327, 3366; SOWK 4310; or SPAN 3305, 3306, 3371, 4330, 4370.

No more than three courses, including core courses, in a single department may count toward this minor. A course may not be used to satisfy both a major and a minor requirement. Students should check with individual departments for course prerequisites. Relevant Honors courses and special topics courses may be substituted with permission from the Director of the Center for the Study of the Southwest.

Courses in English (ENG)

Requirements in first-year English must be completed before a student takes any other English course.

- 1300 Developmental Writing. (3-0) Basic composition skills. For students who have not satisfied TSIP requirements or for those who need developmental work before taking English 1310. Does not count toward any degree offered by the university.
- 1310 (ENGL 1301) College Writing I. (3-0) Expository writing as a means of exploring and shaping ideas. Emphasis on critical reading and the improvement of essays through revision. (MC/P)
- 1320 (ENGL 1302) College Writing II. (3-0) Continuation of English 1310. Expository writing as a means of analyzing and understanding texts. Research paper required. Requirements in sophomore English must be completed before a student takes any advanced work in English. (MC/P)

Students required to take six semester hours of literature may choose any two of the following courses unless their degree program specifies a particular sequence: ENG 2310, 2320, 2330, 2340, 2359, 2360. Only six semester hours of sophomore literature may be taken for credit. Students who earn a “B” or higher in the first sophomore course may, with permission from the chair of their major department and college dean, elect to take an advanced literature course in lieu of the second sophomore course.

- 2310 (ENGL 2322) British Literature before 1785. (3-0) Representative authors and works of British literature from the beginnings through the Neoclassical Period. (MC)
- 2320 (ENGL 2323) British Literature since 1785. (3-0) Representative authors and works of British literature from the Romantic Period to the present. (MC)
- 2330 (ENGL 2332) World Literature before 1600. (3-0) Representative authors and works of literature from the

- ancient world to the early modern world. Readings may come exclusively from the Western tradition or from various literary traditions, such as those of Africa and Asia. (MC)
- 2340 (ENGL 2333) World Literature since 1600. (3-0) Representative authors and works of literature from the modern world. Readings may come exclusively from the Western tradition or from various literary traditions, such as those of Africa and Asia. (MC)
- 2359 (ENGL 2327) American Literature before 1865. (3-0) Representative authors and works of American literature from the beginnings through the Civil War.
- 2360 (ENGL 2328) American Literature since 1865. (3-0) Representative authors and works of American literature from the Civil War to the present.
- 3301 Critical Theory and Practice for English Majors. (3-0) Current approaches to literature with attention to reading strategies and artistic techniques and conventions. (Required for majors; open to minors; should be taken immediately after completing the 6-hour sophomore requirement.) (WI)
- 3302 Film and Video Theory and Production. (3-0) The study of film and narrative theory combined with the practice of videography and video editing. (WI)
- 3303 Technical Writing. (3-0) The study and practice of expository writing in technical and scientific professions. Emphasis on planning, writing, revising, editing, and proofreading proposals, reports, and other forms of professional communication for a variety of audiences. Computer technology included. (WI)
- 3304 Professional Writing. (3-0). The principles of expository writing adapted for the workplace. Prepares students in non-technical fields to write documents commonly used in professional settings. Students compile a writing portfolio suitable for a job search or for application to professional school. Computer technology included. (WI)
- 3307 Introduction to the Study of Film. (3-0) An introduction to various theoretical approaches to the study of film and to important debates within film theory. Focus will include, but is not limited to, (1) theories of spectatorship, (2) the debate between formalism and realism, (3) psychoanalytic and feminist theories, and (4) cultural approaches to film. (WI)
- 3309 The Southwest in Film. (3-0) A survey of films of the Southwest, emphasizing the history and cultural diversity of the region as represented on screen. (WI)
- 3311 Advanced Writing. (3-0) Study and practice of advanced expository writing, with focus on achieving clarity and readability. Recent emphases have included The Essay, Nature Writing, Argument, Writing for the Government, Online Communication. May be repeated once for credit when emphasis varies. (WI)
- 3313 Software Documentation for Computer Science Majors. (3-0) A companion to CS 3398, covering the composition techniques, including planning, organization, revision, standard language use, and audience identification problems necessary for producing the required documents and reference manuals for software documentation. (WI)
- 3315 Introduction to Creative Writing. (3-0) A critical seminar for writers of fiction, poetry, and articles. Creativity, criticism, and revision are emphasized. (WI)
- 3316 Film and Prose Fiction. (3-0) A comparative study of major novels and the films which have been made from them. Repeatable once, in special situations, when topic varies. (WI)
- 3319 The Development of English. (3-0) Origin and growth of the English language with particular attention to phonological, morphological, and grammatical changes; history of dialects, spelling, and dictionaries; sources of vocabulary.
- 3320 Literary Criticism. (3-0) A study and application of critical approaches from Aristotle to the present, with emphasis on problems of modern criticism. (WI)
- 3321 The Short Story. (3-0) The short story throughout the world since Poe and Gogol. (WI)
- 3322 The European Novel. (3-0) Major continental novelists from Cervantes to the present, read in translation. (WI)
- 3323 Modern Poetry. (3-0) Modern poetry in English and English translation. (WI)
- 3325 Russian Literature in Translation. (3-0) An examination of major 19th and 20th century works of Russian literature, in translation, from three points of view: their literary value (use of language, style, characterization, theme, structure, techniques); their relation to and influence on European literature; and their illumination of Russian culture and history. (MC) (WI)
- 3326 American Drama on Film. (3-0) Masterpieces of American drama and the films which have been made from them.
- 3327 Types of World Drama in English. (3-0) Examples of world drama and film adaptations from Aeschylus to Ibsen. (MC) (WI)
- 3328 Types of World Drama in English (Modern). (3-0) Significant examples of world drama in English from Ibsen to O'Neill, Williams, and Miller. (MC) (WI)
- 3329 Mythology. (3-0) Study of myths in ancient cultures, mythic patterns in modern literature, and Hollywood as myth-maker. Repeatable once, in special situations, when topic varies. (WI)
- 3331 Literature of Black America. (3-0) African-American poetry, drama, and fiction. (MC) (WI)
- 3333 Early American Literature: The New World, the Colonies, and the American Renaissance. (3-0) A survey of American literature from its beginnings to 1865. (WI)
- 3335 American Literature 1865-1930: The Rise of Realism, Naturalism, and Modernism. (3-0) A survey of American literature from the Civil War to 1930. (WI)
- 3336 American Literature, 1930 to the Present: From Modernism to Contemporary Forms. (3-0) A survey of American literature from 1930 to the present. (WI)
- 3338 The American Novel. (3-0) A study of the novels and pertinent criticism from the beginnings in America. (WI)
- 3340 Special Topics in Language and Literature. (3-0) Course proposed and taught occasionally by different English faculty members. Past emphases have included Nature Writing and Literature and Art. May be repeated with a change of emphasis. (WI)
- 3341 Studies in World Literature. (3-0) Selections from ancient and modern literature in western and/or non-western cultures. Repeatable once, in special situations, when topic varies. (MC) (WI)
- 3342 Editing. (3-0) A study of editing, to include instruction in making editorial changes, preparing MSS for typesetter, marking galley and page proof; fundamentals of layout

- and design (typeface, paper, headlines, etc.); problems and possibilities in desktop publishing; and the current status of electronic publications.
- 3343 *The Interdisciplinary Approach to Literature.* (3-0) The study of a single author, e.g. Saul Bellow, Charles Dickens, Flannery O'Connor, or Virginia Woolf, from an interdisciplinary perspective. Repeatable once, in special situations, when topic varies. (WI)
- 3344 *Chicano/a Narrative and Social History.* (3-0) A survey of narrative written by U.S. citizens of Mexican descent. (MC) (WI)
- 3345 *Southwestern Studies I: Defining the Region.* (3-0) The first of two courses in a broad interdisciplinary survey of geophysical, cultural, social, literary, and political history of the Southwest that emphasizes regional and ethnic expressions of culture in architecture, art, economics, law, literature, philosophy and politics. (MC) (WI)
- 3346 *Southwestern Studies II: Consequences of Region.* (3-0) The second of a two-course sequence in a broad interdisciplinary survey of geophysical, cultural, social, literary, and political history of the Southwest, emphasizing regional and ethnic expressions of culture in architecture, art, economics, law, literature, philosophy, politics, popular culture, religion, social science, and technology. (MC) (WI)
- 3347 *American Poetry.* (3-0) Study of American poetry from its beginnings to present. (WI)
- 3348 *Creative Writing: Fiction.* (3-0) A seminar for writers of fiction, with emphasis on creativity, criticism, and revision. Prerequisite: ENG 3315. (WI)
- 3349 *Creative Writing: Poetry.* (3-0) A seminar for writers of poetry, with emphasis on creativity, criticism, and revision. Prerequisite: ENG 3315. (WI)
- 3350 *Medieval European Literature.* (3-0) Studies of Medieval contexts, genres, and writings across Europe. (MC) (WI)
- 3351 *Anglo-Saxon Language, Literature, and Culture.* (3-0) An introduction to Old English life and writings from early culture through Beowulf (texts in modern translation). (MC) (WI)
- 3352 *Medieval English Literature.* (3-0) Studies of important non-Chaucerian writings in the Middle Ages, some in modern translations. (MC) (WI)
- 3353 *British Poetry and Prose of the Sixteenth Century.* (3-0) Major poets and prose writers from More to Spenser. (MC) (WI)
- 3354 *Shakespeare.* (3-0) Selected plays from the earliest through Hamlet. (MC) (WI)
- 3356 *British Poetry and Prose of the Seventeenth Century.* (3-0) Prose and poetry from Donne and Bacon to Milton and Dryden. (MC) (WI)
- 3357 *English Literature of the Restoration and Augustan Periods, 1660-1750.* (3-0) The development of classicism through Pope and Swift. (MC) (WI)
- 3359 *English Literature, 1750-1800.* (3-0) The decline of classicism and the romantic beginning. (MC) (WI)
- 3362 *The English Romantics.* (3-0) English poetry and prose of the Romantic Age. (MC) (WI)
- 3365 *Victorian Literature.* (3-0) Developments in Victorian poetry and prose as these apply to the student's cultural background. (MC) (WI)
- 3368 *The English Novel.* (3-0) English prose fiction. (MC) (WI)
- 3370 *Twentieth-Century British Literature.* (3-0) Selected poetry, fiction, and drama since 1900. (MC) (WI)
- 3385 *Children's Literature.* (3-0) A survey of traditional and contemporary literature for children with attention to literary history, aesthetic qualities, and critical approaches. (WI)
- 3386 *Adolescent Literature.* (3-0) A survey designed to provide a critical philosophy and working repertoire of literature for adolescents. (WI)
- 3388 *Women and Literature.* (3-0) A survey of women's writing in English, in various genres, over a period of some 600 years (14th century to the present). (MC) (WI)
- 3389 *The Discipline of English.* (3-0) The nature of English studies as a formal field, its components and their relationships. Open only to candidates with 90 semester credit hours. (WI)
- 3390 *Problems in Language and Literature.* (3-0) Independent study with individualized reading list, research project, and tutorial sessions, focused on a special problem in language and/or literature. May be taken only with permission from the Chair of the Department of English, the Director of Advanced Studies, and the assigned professor. (WI)
- 3392 *Women Writers of the Middle Ages.* (3-0) Religious and secular writings by women from the early Church through the 15th century. (MC) (WI)
- 3393 *Introduction to Canadian Literature.* (3-0) An introduction to Canadian literature with discussion of aesthetic, cultural, and political issues surrounding it. Texts will be Anglophone and Francophone in translation. (MC) (WI)
- 4310 *Modern English Syntax.* (3-0) A study of English syntax as described by traditional, structural, and transformational grammarians, with major emphasis on transformational-generative syntax.
- 4323 *Studies in Autobiography and Biography.* (3-0) Selected works in autobiography and biography. (WI)
- 4325 *Literature of the Southwest.* (3-0) The literature of Texas and the surrounding territory; various types of non-fiction prose, fiction, and poetry. (WI)
- 4334 *American Romanticism.* (3-0) An exploration of the American Romantic movement of the 19th century, with consideration of important authors, intellectual backgrounds, and literary relationships. (WI)
- 4348 *Senior Seminar in Fiction Writing.* (3-0) Workshop in writing fiction and evaluating manuscripts. Students produce portfolio of creative work. Prerequisite: ENG 3348. (WI)
- 4349 *Senior Seminar in Poetry Writing.* (3-0) Workshop in writing poetry and evaluating manuscripts. Students produce portfolio of creative work. Prerequisite: ENG 3349. (WI)
- 4351 *Chaucer and His Time.* (3-0) The works of Chaucer and their significance in an important literary and social era. (MC) (WI)
- 4355 *The Later Shakespeare.* (3-0) The problem comedies, through the tragedies, to the plays of the final years; emphasis on reading in depth the plays, significant critical materials, and selected plays by Shakespeare's contemporaries. (MC) (WI)
- 4358 *Milton.* (3-0) Milton's longer poems and most important prose writing. (MC) (WI)

Department of Geography

Evans Liberal Arts Building 139
T: 512. 245.2170 F: 512. 245.8353
www.geo.txstate.edu

DEGREE PROGRAMS OFFERED

BA, major in Geography
BS, major in Geography
BS, major in Geography (with Teacher
Certification-Social Studies Composite)
BS, major in Geography –
Geographic Information Science
BS, major in Geography – Physical Geography
BS, major in Geography –
Resource and Environmental Studies
BS, major in Geography –
Urban and Regional Planning
BS, major in Geography – Water Studies

MINORS OFFERED

Geography
Geology
Nature and Heritage Tourism

CERTIFICATES OFFERED

Environmental Interpretation
Geographic Information Systems
Water Resources Policy

Texas State Geography boasts the largest undergraduate program in the United States. The Journal of Geography, the Association of American Geographers, and a National Program Effectiveness Survey recognized the Department as among the best undergraduate Geography programs in the nation. Additionally, the Department of Geography's internship program is the largest of its kind, placing students in both government agencies and private enterprises to provide students real-world experience to complement their academic program. The Department also offers highly acclaimed field experiences to places such as Big Bend National Park, the Southwestern United States, Europe and Mexico, where students gain invaluable firsthand geographical knowledge while gaining academic credit.

The undergraduate geography program offers a variety of major concentrations of study. Students may select a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.). The degrees provide students programs and courses designed to increase their understanding of the world they live in and to help students develop analytical skills necessary to interpret and solve real-world problems. The B.A. requires a minimum of 30 semester hours of Geography while the B.S. requires a minimum of 36 hours of Geography coursework. Geography majors may include a maximum of two additional Geography courses towards their major. General Education Core requirements are listed in the University College section of this catalog. Geography majors are required to complete a minor and are encouraged to select a minor in consultation with an academic advisor.

Admission Process

Students meeting university admission standards enter the undergraduate Geography program as pre-majors. To become majors, students must:

1. Complete GEO 1309 or 1310; GEO 2410, and GEO 3301 (10 semester hours) with a grade of "C" or higher in each course.
2. Complete 45 or more hours with an overall Texas State GPA of at least 2.25.

Academic Advising

The Department of Geography provides extensive academic advising services which include individual and group advising. All geography majors and minors are encouraged to seek advice about program requirements and course selection each semester. Major concentration faculty and academic advisors can offer detailed program and course information as well as course checklists for each major concentration. Proper academic planning and academic advising leads students toward completing the steps for satisfying graduation requirements.

Bachelor of Arts
Major in Geography
Minimum required: 120 semester hours

The General Geography major provides flexibility in designing unique programs for students with highly specialized career or graduate study objectives. Students electing to follow this major are strongly encouraged to work with a faculty member with experience in their special area of interest.

General Requirements:

1. All majors must satisfy the pre-major requirements:
 - a. Complete GEO 1309 or GEO 1310, GEO 2410 & GEO 3301 with grades of "C" or higher in each course.
 - b. Complete 45 or more credit hours with a cumulative Texas State GPA of at least 2.25.
2. To satisfy graduation requirements, students must have at least a 2.50 Geography major GPA and at least a 2.25 Texas State GPA.
3. Majors must complete at least 30 hours of Geography coursework including a Geography Techniques Course to be selected from: GEO 2426, 3411, 3416, 4430.
4. Geography required elective courses (16 hours) to be selected in consultation with your academic advisor.
5. The degree requires students to select a minor area of study from the approved list of minors offered at Texas State. Biology, Chemistry, Geology, Anthropology, Computer Science, Mathematics, Plant and Soil Science, or Physics are minors that are highly recommended to complement your Geography major. Other minors may be appropriate depending upon your interests and career goals. Discuss other possible options with your academic advisor.
6. Texas State requires a minimum of 120 semester hours of coursework to graduate including:
 - a. general education core requirements;
 - b. major requirements;
 - c. minor requirements
 - d. additional College/degree requirements, which include an additional sophomore English literature course and 14 hours of the same modern language (1410, 1420, 2310, 2320) and
 - e. additional elective courses, as needed, to achieve the minimum 120 hours required for graduation of which 36 hours must be advanced (3000–4000) level courses, and at least 9 semester hours must be writing intensive (WI).

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	HIST 1310	3	COMM 1310	3	POSI 2320	3
US 1100	1	ENG 1320	3	GEO 3301	3	ENG 2310, 2320, 2330, 2340, 2359	
GEO 1309 or 1310	3	GEO 2410	4	ENG Literature 2310, 2320, 2330,		or 2360	3
POSI 2310	3	Natural Science Component	3-4	2340, 2359, or 2360	3	Modern Language 1420	4
Natural Science Component	3-4	PFW 1 course	1	Modern Language 1410	4	GEO techniques 2426, 3411, 3416,	
MATH 1315 or above (not 1316)	3			HIST 1320	3	4430	4
				PFW one course	1	PHIL 1305 or 1320	3
Total	16-17	Total	14-15	Total	17	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	GEO, Advanced	7	GEO, Advanced	3	Electives (as needed)	6
Social Science Component	3	Minor	6	Electives (as needed)	6	Minor	6
GEO, Advanced	6	Modern Language 2320	3	Minor	3		
Minor	3-4						
Modern Language 2310	3						
Total	15-16	Total	16	Total	12	Total	12

**Bachelor of Science
Major in Geography**
Minimum required: 120 semester hours

The General Geography major provides flexibility in designing unique programs for students with highly specialized career or graduate study objectives. Students electing to follow this major are strongly encouraged to work with a faculty member with experience in their special area of interest.

General Requirements:

1. All majors must satisfy the pre-major requirements:
 - a. Complete GEO 1309 or GEO 1310, GEO 2410 & GEO 3301 with grades of "C" or higher in each course.
 - b. Complete 45 or more credit hours with a cumulative Texas State GPA of at least 2.25.
2. To satisfy graduation requirements, students must have at least a 2.50 Geography major GPA and at least a 2.25 Texas State GPA.
3. Majors must complete at least 36 hours of Geography coursework including a Geography Techniques Course to be selected from: GEO 2426, 3411, 3416, 4430.
4. Geography required elective courses (22 hours) to be selected in consultation with your academic advisor.
5. The degree requires students to select a minor area of study from the approved list of minors offered at Texas State. Biology, Chemistry, Geology, Anthropology, Computer Science, Mathematics, Plant and Soil Science, or Physics are minors that are highly recommended to complement your Geography major. Other minors may be appropriate depending upon your interests and career goals. Discuss other possible options with your academic advisor.
6. Texas State requires a minimum of 120 semester hours of coursework to graduate including: a) general education core requirements; b) major requirements; c) minor requirements d) additional College/degree requirements, which includes either an additional sophomore English literature course or ENG 3303—Technical writing and 8 hours of modern language [if students completed two years of the same modern language in high school, then no additional courses are required, e) additional elective courses, as needed, to achieve the minimum 120 hours required for graduation of which 36 hours must be advanced (3000–4000) level courses, and at least 9 semester hours must be writing intensive (WI).

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	HIST 1310	3	COMM 1310	3	POSI 2320	3
US 1100	1	ENG 1320	3	GEO 3301	3	ENG 2310, 2320, 2330, 2340, 2359	
GEO 1309 or 1310	3	GEO 2410	4	ENG Literature 2310, 2320, 2330,		or 2360	3
POSI 2310	3	Natural Science Component	3-4	2340, 2359, or 2360	3	Modern Language 1420 (if required)	4
Natural Science Component	3-4	PFW 1 course	1	Modern Language 1410 (if required)	4	GEO techniques 2426, 3411, 3416,	
MATH 1315 or above (not 1316)	3			HIST 1320	3	4430	4
				PFW one course	1	PHIL 1305 or 1320	3
Total	16-17	Total	14-15	Total	17	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	GEO, Advanced	7	GEO, Advanced	6	Electives (as needed)	3
Social Science Component	3	Minor	6	Minor	3	Minor	6
GEO, Advanced	6	Electives (as needed)	3	Electives (as needed)	3	GEO, Advanced	3
Minor	3-4						
Total	15-16	Total	16	Total	12	Total	12

Secondary Teacher Certification

Secondary Teacher certification is available in the Bachelor of Science (BS) degree only, under the Social Studies Composite Certification Program. Dr. Brock Brown serves as the undergraduate departmental advisor for those students interested in seeking teacher certification.

The Social Studies Composite Certification program is designed to prepare students to teach any of the four social studies disciplines (History, Geography, Government, and Economics) at the secondary level (grades 8-12). Upon completion of the social studies curriculum and passage of the social studies TExES test, students will receive certification in social studies and eligibility to teach in any of the four disciplines. Students pursuing secondary certification with a major in Geography select a minor from the disciplines of History or Political Science. In addition, students will complete specific courses in the third social studies discipline not chosen as a major or minor.

Student Teaching And Licensing Exam Requirements

To be allowed to student teach (EDST 4681) and take the Secondary Composite TExES, students must have:

- 1. Students must have successfully completed all coursework (including HIST 4300) for certification prior to student teaching and within the six years immediately before taking the TExES licensing exam for teachers.
- 2. Students must have an cumulative Texas State GPA, Geography, History, and Political Science GPA of 2.50 or higher with no grade lower than a "C" in each discipline.
- 3. All external students taking the TExES at Texas State must meet the same requirements.

<div>Bachelor of Science Major in Geography (Social Studies Composite Teacher Certification: History Minor and Political Science Third Field) Minimum required: 133 semester hours</div>							
<div>General Requirements:</div> <div><div>1.</div><div>An additional geography course is required to meet B.S. Program requirement of 36 hours. Consult with your Advisor. This option in secondary teacher certification requires completion of the following 36 hours in Geography: GEO 1309, 1310, 2410, 3301, 3303, 3309, 3313, 3329, 4340; three hours from GEO 3307, 3308, 3328, 3332, 3333, 4328; four hours from 2426, 3411, 3416, 4430, and one Geography elective with a grade of "C" or better in each of the courses.</div></div> <div><div>2.</div><div>The minor in History (24 hours) requires completion of the following History courses: HIST 1310, 1320, 2311, 2312, three hours advanced Group A (World History), three hours advanced Group B (European History); three hours advanced Group C (American History) and one advanced History elective or HIST 4300 with a grade of "C" or better in each of the courses.</div></div> <div><div>3.</div><div>The third field in Political Science (15 hours) requires completion of the following courses: POSI 2310 and 2320; three hours from Group 3 (Public Law) from POSI 3310, 3311, or 4311, and 6 hours of Political Science from Group 2 (American Government) with a grade of "C" or better in each of the courses.</div></div> <div><div>4.</div><div>In addition to the major, minor, and third field requirements, students must also complete 21 hours of professional sequence courses under the College of Education: CI 4370, 3325, 4332, 4343; RDG 3323; and EDST 4681 (Student Teaching). All coursework must be completed prior to student teaching.</div></div> <div><div>5.</div><div>To satisfy graduation requirements for teacher certification, students must have at least a 2.50 Geography major GPA and at least a 2.5 Texas State GPA and a 2.50 GPA in the second and third teaching field.</div></div> <div><div>6.</div><div>This degree program requires a minimum of 133 semester hours of coursework to graduate including: a) general education core requirements; b) major requirements; c) second and third teaching field requirements d) additional College/degree requirements, which includes either an additional sophomore English literature course or ENG 3303—Technical writing and 8 hours of modern language [if students completed two years of the same modern language in high school, then no additional courses are required, e) additional elective courses, as needed, to achieve the minimum 120 hours required for graduation of which 36 hours must be advanced (3000—4000) level courses, and at least 9 semester hours must be writing intensive (WI).</div></div>							

Bachelor of Science
Major in Geography
(Social Studies Composite Teacher Certification: Political Science Minor and History Third Field)
Minimum required: 133 semester hours

General Requirements:

1. An additional geography course is required to meet B.S. Program requirement of 36 hours. Consult with your Advisor. This option in secondary teacher certification requires completion of the following 36 hours in Geography: GEO 1309, 1310, 2410, 3301, 3303, 3309, 3313, 3329, 4340; three hours from GEO 3307, 3308, 3328, 3332, 3333, 4328; four hours from 2426, 3411, 3416, 4430, and one Geography elective with a grade of "C" or better in each of the courses.
2. The minor in Political Science (21 hours) requires completion of the following courses: POSI 3300 (or 3301) and 2310 and 2320, 6 hours from Group 2 (American Government), 3 hours from Group 3 (Public Law) selected from POSI 3310, 3311, OR 4311, and POSI 4398.
3. The third field in History (18 hours) requires completion of the following: HIST 1310, 1320, 2311, 2312, three hours Advanced Group B (European History) and three hours Advanced Group C (American History).
4. In addition to the major, minor, and third field requirements, students must also complete 21 hours of professional sequence courses under the College of Education: CI 4370, 3325, 4332, 4343; RDG 3323; and EDST 4681 (Student Teaching). All coursework must be completed prior to student teaching.
5. To satisfy graduation requirements for teacher certification, students must have at least a 2.50 Geography major GPA and at least a 2.5 Texas State GPA and a 2.50 GPA in the second and third teaching field.
6. This degree program requires a minimum of 133 semester hours of coursework to graduate including: a) general education core requirements; b) major requirements; c) second and third teaching field requirements d) additional College/degree requirements, which includes either an additional sophomore English literature course or ENG 3303—Technical writing and 8 hours of modern language [if students completed two years of the same modern language in high school, then no additional courses are required) additional elective courses, as needed, to achieve the minimum 120 hours required for graduation of which 36 hours must be advanced (3000—4000) level courses, and at least 9 semester hours must be writing intensive (WI).

Bachelor of Science
Major in Geography – Resource and Environmental Studies
Minimum required: 120 semester hours

The Resource and Environmental Studies concentration prepares students for a wide variety of government and private sector occupations relating to resource conservation and/or environmental management. Graduates pursue careers with employers such as the Texas General Land Office, the Texas Commission on Environmental Quality, the Texas Department of Transportation, Texas Parks and Wildlife, the National Geographic Society, the Lower Colorado River Authority, the San Antonio Water System, Motorola, Valero Energy and various private – sector environmental consulting firms.

General Requirements:

1. All majors must satisfy the pre-major requirements:
 - a. Complete GEO 1309 or GEO 1310, GEO 2410 & GEO 3301 with grades of "C" or higher in each course.
 - b. Complete 45 or more credit hours with a cumulative Texas State GPA of at least 2.25.
2. To satisfy graduation requirements, students must have at least a 2.50 Geography major GPA and at least a 2.25 Texas State GPA.
3. The degree requires students to select a minor area of study from the approved list of minors offered at Texas State. Biology, Chemistry, Geology, Anthropology, Computer Science, Mathematics, Plant and Soil Science, or Physics are minors that are highly recommended to complement your Geography major. Other minors may be appropriate depending upon your interests and career goals. Discuss other possible options with your academic advisor.
4. Geography Core Courses - at least three of the following: GEO 3434, 4313, 4338, 4350.
5. Geography Techniques Courses - at least one of the following: GEO 2426, 3411, 3416, 4430.
6. Geography Electives – Select from the following to complete semester hour requirement: GEO 2310, 2420, 2427, 3303, 3305, 3313, 3320, 3321, 3325, 3335, 3340, 3349, 4310, 4314, 4316, 4322, 4325, 4334, 4339, 4341, 4380, 4391, 4412.
7. Student may select one regional course to satisfy part of their Geography Electives - GEO 3307, 3308, 3309, 3328, 3329, 3332, 3333, 4306, 4328.
8. Texas State requires a minimum of 120 semester hours of coursework to graduate including: a) general education core requirements; b) major requirements; c) minor requirements d) additional College/degree requirements, which includes either an additional sophomore English literature course or ENG 3303—Technical writing and 8 hours of modern language [if students completed two years of the same modern language in high school, then no additional courses are required) additional elective courses, as needed, to achieve the minimum 120 hours required for graduation of which 36 hours must be advanced (3000—4000) level courses, and at least 9 semester hours must be writing intensive (WI).

Bachelor of Science
Major in Geography - Geographic Information Science
Minimum required: 120 semester hours

The general philosophy of the program stresses the importance of a content-rich background in geography along with principles and techniques of Geographic Information Science: GIS; remote sensing; visualization; cartography; spatial modeling; and quantitative methods. The major in GI Science was developed and structured for positions in local, state, and federal agencies, commercial companies, planning departments, engineering firms, utility companies, and many others. To prepare for GI Science careers, many students perform internships with government agencies or private firms as part of their academic program.

General Requirements:

1. All majors must satisfy the pre-major requirements:
 - a. Complete GEO 1309 or GEO 1310, OR two courses from GEO 1105/1305, 1309, 1310, and GEO 2410 & GEO 3301 with grades of "C" or higher.
 - b. Complete 45 or more credit hours with an overall Texas State GPA of at least 2.25.
2. The B.S. degree requires a minimum of 36 semester hours of Geography. The B.S. degree requires at least a 2.50 major GPA for Geography and at least a 2.25 TxSt GPA .
3. Required Core: GEO 2426, 3411, 3416, and 4426. Program Elective Courses- In consultation with an advisor, select from the following courses to complete the requirements: GEO 2420, 2427, 4310, 4324, 4380, 4411, 4412, 4417, 4422, 4427, 4430.
4. Student may select one regional course as a Geography Elective - GEO 3307, 3308, 3309, 3328, 3329, 3332, 3333, 4306, 4328.
5. This major concentration also requires an additional three hours of computer science or three hours of mathematics beyond. (CS 1308 or higher, CIS 1323 or higher, Math 1317 or higher). Does not count toward 36 required geography hours.
6. Students select a minor from the approved list of minors. Various minors may be appropriate depending upon a student's interests and career goals.
7. Texas State requires a minimum of 120 semester hours of coursework to graduate including: a) general education core requirements; b) major requirements; c) minor requirements d) additional College/degree requirements, which includes either an additional sophomore English literature course or ENG 3303—Technical writing and 8 hours of modern language (if students completed two years of the same modern language in high school, then no additional courses are required, e) additional elective courses, as needed, to achieve the minimum 120 hours required for graduation, of which 36 hours must be advanced (3000—4000) level courses, and at least 9 semester hours must be writing intensive (WI).

Bachelor of Science
Major in Geography - Urban and Regional Planning
Minimum required: 120 semester hours

Planning is a diverse profession, which draws upon fields of knowledge and technical skills closely related to geography. Urban and Regional Planning provides the means to evaluate and facilitate programs that benefit our neighborhoods, communities, cities, and regions. Population growth, economic development, transportation, education, public services, and the environment are a few of the essential factors evaluated by planners. Many of our graduates are employed as planners in Texas, as well as within other states and countries. Others have continued in graduate studies at Texas State or in other programs at the University of Texas or Texas A&M, as well as universities outside Texas.

General Requirements:

1. All majors must satisfy the pre-major requirements:
 - a. Complete GEO 1309 or GEO 1310, OR two courses from GEO 1105/1305, 1309, 1310, and GEO 2410 & GEO 3301 with grades of "C" or higher in each course.
 - b. Complete 45 or more credit hours with a cumulative Texas State GPA of at least 2.25.
2. To satisfy graduation requirements, students must have at least a 2.50 Geography major GPA and at least a 2.25 Texas State GPA.
3. Geography Urban and Regional Planning Required Core Courses— GEO 3310, 3320, 4321, 4338.
4. Geography Techniques Course—select at least one of the following courses – GEO 2426, 3411, 3416.
5. Geography Required Electives—select from the following—GEO 2310, 2420, 2427, 3303, 3313, 3321, 3323, 3349, 3353, 3434, 4310, 4313, 4314, 4316, 4336, 4339, 4350, 4380, 4412, and 4430.
6. Student may select one regional course as a Geography Elective - GEO 3307, 3308, 3309, 3328, 3329, 3332, 3333, 4306, 4328.
7. The degree requires that students select a minor from the approved list of minors. Minors may be any approved Texas State minor. Students interested in entering the professional planning field are strongly advised however, to consider a minor in Public Administration, Business Administration, or Construction Technology. Other minors may be appropriate depending on career goals. Plan to discuss choice of minor as well as selection of elective courses with your academic advisor.
8. Texas State requires a minimum of 120 semester hours of coursework to graduate including: a) general education core requirements; b) major requirements; c) minor requirements d) additional College/degree requirements, which includes either an additional sophomore English literature course or ENG 3303—Technical writing and 8 hours of modern language (if students completed two years of the same modern language in high school, then no additional courses are required) additional elective courses, as needed, to achieve the minimum 120 hours required for graduation, of which 36 hours must be advanced (3000—4000) level courses, and at least 9 semester hours must be writing intensive (WI).

Bachelor of Science
Major in Geography - Physical Geography
Minimum required: 120 semester hours

This major emphasizes the physical science elements of geographical study. Physical Geography prepares students for employment in applied climatology and meteorology, oceanography, geomorphology, resource evaluation, environmental analysis, and areas where an understanding of the complex relationship between nature and society is required. Students considering graduate studies in Physical Geography or any of the earth and atmospheric sciences should select this degree option.

General Requirements:

1. All majors must satisfy the pre-major requirements:
 - a. Complete GEO 1309 or GEO 1310, GEO 2410 & GEO 3301 with grades of "C" or higher in each course.
 - b. Complete 45 or more credit hours with a cumulative Texas State GPA of at least 2.25.
2. To satisfy graduation requirements, students must have at least a 2.50 Geography major GPA and at least a 2.25 Texas State GPA.
3. The BS degree with a major in Physical Geography requires a minimum of 36 hours of Geography:
 - a. Physical Geography Major Required Core Courses– GEO 3305, 3325 and at least two courses from GEO 1105/1305, 3335 and/or 4316.
 - b. Geography Required Techniques Courses (select at least three courses) GEO 2426, 3411, 3416, 4412, 4422, 4430.
 - c. Geography Electives (select at least two) GEO 2310, 2420, 2427, 3321, 3434, 3349, 4310, 4313, 4314, 4325, 4334, 4339, 4350, 4380, 4391.
 - d. Student may select one regional course as a Geography Elective - GEO 3307, 3308, 3309, 3328, 3329, 3332, 3333, 4306, 4328.
4. The degree requires that students select a minor from the approved list of minors. Minors may be any approved Texas State minor. Biology, Chemistry, Computer Science, Geology, Mathematics, or Physics minors are highly recommended to complement your Physical Geography Major. Other minors may be appropriate depending upon your interests and career goals. Discuss possible options with your advisor.
5. Texas State requires a minimum of 120 semester hours of coursework to graduate including: a) general education core requirements; b) major requirements; c) minor requirements d) additional College/degree requirements, which includes either an additional sophomore English literature course or ENG 3303–Technical writing and 8 hours of modern language (if students completed two years of the same modern language in high school, then no additional courses are required, e) additional elective courses, as needed, to achieve the minimum 120 hours required for graduation, of which 36 hours must be advanced (3000–4000) level courses, and at least 9 semester hours must be writing intensive (WI).

Bachelor of Science
Major in Geography - Water Studies
Minimum required: 120 semester hours

The Water Studies concentration provides a focused study of the physical, chemical, social, political, and economic factors of water resources from the geographic perspective. As water resources become ever more critical to the nation, and in particular Texas and the Southwest Borderlands, this degree program addresses the increasing need for professionals in this crucial field. Graduates are highly sought after by government agencies, from local, state to federal, industries that have large water demands, agricultural interests and private consulting firms that specialize in water resource issues. The Lower Colorado River Authority, the Guadalupe-Blanco River Authority, the Edwards Aquifer Authority, and the San Antonio Water System all employ graduates of the program.

General Requirements

1. All majors must satisfy the pre-major requirements:
 - a. Complete GEO 1309 or GEO 1310, GEO 2410 & GEO 3301 with grades of "C" or higher in each course.
 - b. Complete 45 or more credit hours with a cumulative Texas State GPA of at least 2.25.
2. To satisfy graduation requirements, students must have at least a 2.50 Geography major GPA and at least a 2.25 Texas State GPA.
3. The BS degree with a major in Water Studies requires a minimum of 36 hours of Geography:
 - a. Water Studies Required Core Courses– GEO 3305, 3434, 4313, 4314, 4325, 4334, 4341.
 - b. Geography Required Techniques Course – select one of the following courses – GEO 2426, 3411, 3416, 4430.
4. The degree requires that students select a minor from the approved list of minors. Minors may be any approved Texas State minor. Biology, Chemistry, Geology, Political Science, Anthropology, Business Administration, Plant and Soil Science or Nature and Heritage Tourism minors are highly recommended to complement your Geography major in Water Studies.
5. Texas State requires a minimum of 120 semester hours of coursework to graduate including: a) general education core requirements; b) major requirements; c) minor requirements d) additional College/degree requirements, which includes either an additional sophomore English literature course or ENG 3303–Technical writing and 8 hours of modern language (if students completed two years of the same modern language in high school, then no additional courses are required) additional elective courses, as needed, to achieve the minimum 120 hours required for graduation, of which 36 hours must be advanced (3000–4000) level courses, and at least 9 semester hours must be writing intensive (WI).

Minor in Geography

Texas State Geography offers a wide range of content courses that can provide distinct career preparation and competitive advantages to many majors. Students pursuing a Geography minor may choose to focus their studies in these areas: Urban Planning and Land Development; Water Studies; Geographic Information Science; Regional International Studies; Physical Geography/Earth Science; Environmental Resource Management; or Cultural Geography and Demographics.

A Geography Minor requires a minimum of 19 semester hours including: (1) GEO 2410 - Physical Geography and (2) One of the following: GEO 1309 - Cultural Geography; GEO 1310 - World Regional Geography; or GEO 3303 - Economic Geography, for a total of 7 semester hours. (3) Students complete 12 hours of Geography electives of which 9 hours must be at the advanced (3000-4000) level. Minors are encouraged to consult with a Geography Department Academic Advisor to select courses to design the Geography minor.

Minor in Geology

Geology is the science and study of the solid matter of the Earth, its composition, structure, physical properties, history, and the processes that shape it. A geology minor is an ideal complement to a number of majors in the natural, social, and applied sciences.

A minor in geology requires 19 hours, including GEOL 1410, 1420, 2410, and seven hours chosen from ANTH 3375W; GEO 3325, 4325; GEOL 3400, 3410, 3430, 3440, 4121, 4320, 4330, or 4421.

Minor in Nature and Heritage Tourism

Nature and Heritage Tourism is the most rapidly growing segment of the overall tourism industry. The minor in Nature and Heritage Tourism concentrates on planning, development and management of nature and heritage tourism activities that have a strong learning content. A minor in Nature and Heritage Tourism requires a minimum of 24 semester hours of coursework including 6 hours of core courses: NHT 4301 and NHT 4302, and 18 hours (from at least two departments outside of the student's major department) selected from: ACC 2361, 2362; AG 3318, 3321, 3351, 3355, 3426, 3427, 4383; ANTH 2415, 3314, 3315, 3334, 3332, 3345, 3347, 3375, 4630; BIO 4322, 4305, 4410, 4415, 4416, 4420, 4421, 4422, 4423, 4434; ENG 3309, 3340G, 3345, 3346, 4325, GEO 2410, 3313, 3329, 3340, 4322, 4336, MKT 3343; PFW 1150H, 1190A, 1200, 2101, 1204, 1225; REC 1310, 1330, 3340, 3351, 4318, 4337; POSI 3328, 4322, 4322, 4361; or SOCI 3340, 3366, 3375.

Certificate in Environmental Interpretation

The Certificate in Environmental Interpretation is intended to provide a relevant background to prepare students to work as interpretive guides in park and other tourism venues and work in the professional areas of public information/education in resource management agencies.

Applicants to the Environmental Interpretation Certificate program will be required to meet the following criteria:

- Texas State University Undergraduate degree seeking or post-baccalaureate student in good standing.

- Minimum grade in all required/prescribed electives courses of at least a "C."
- Minimum cumulative GPA in all required/prescribed electives courses of a GPA of at least 2.5/4.0.

The application packet will consist of the following materials:

Certificate application form, Transcripts

Required courses include: GEO 4322, and 12 hours from: GEO 2410, 3313, 3325, 4313, 4316, and 4393 (cultural ecology).

Certificate in Geographic Information Systems

The Texas State Department of Geographic Information Systems Certificate provides the recipient with a working knowledge Geographic Information Systems (GIS) in sufficient detail that they are prepared for professional positions involving the theoretical and applied aspects of implementing and administering a Geographic Information System.

To the prospective employer, the certificate is a professional endorsement that the recipient has received four university level courses on issues fundamental to the design, implementation, and management of Geographic Information Systems. A formal certificate issued by the Texas State's College of Liberal Arts and a statement on the recipient's Texas State transcript recognize successful completion of the program.

Requirements for Certificate - Student must complete GEO 2426, GEO 2427 or 3411 or 3416, GEO 4426 & GEO 4427 with no grade less than a "C" and an overall average for the four classes of at least a 2.5. Please note that GEO 4426 and 4427 do not count toward the 36 hours required for majors in Physical Geography, Resource and Environmental Studies, Urban and Regional Planning, or Water Studies.

For additional information and application process, discuss with an academic advisor or refer to www.geo.txstate.edu/programs/certificate/gis/index.html.

Certificate in Water Resources Policy

The Texas State Department of Geography Water Policy Certificate provides the recipient with a working knowledge of water resources in sufficient detail that they are prepared for professional positions involving water resources management and policy. To the prospective employer, the certificate is a professional endorsement that the recipient has received four university level courses on issues fundamental to water resources management and policy. A formal certificate issued by the Texas State's College of Liberal Arts and a statement on the recipient's Texas State transcript recognize successful completion of the program.

Requirements for Certificate - Student must complete GEO 3434, GEO 4313, GEO 4314 & GEO 4341 with no grade less than a "C" and an overall average for the four classes of at least a 2.5. Please note that GEO 4426 and 4427 do not count toward the 36 hours required for majors in Physical Geography, Resource and Environmental Studies, Urban and Regional Planning, or Water Studies.

For additional information and application process, discuss with an academic advisor or refer to: www.geo.txstate.edu/programs/certificate/water/index.html.

Courses in Geography (GEO)

- 1105 (GEOL 1147) Meteorology Laboratory. (0-2) Laboratory observations, calculations, and exercises of meteorological data and phenomena. Prerequisite or corequisite: GEO 1305, Meteorology.
- 1305 (GEOL 1347) Meteorology. (3-0) An introduction to atmospheric science providing information on the properties of the atmosphere, the scientific principles that govern weather and climate, and interactions between the atmosphere and the other components of the Earth system.
- 1309 (GEOG 1302) Introduction to Cultural Geography. (3-0) This course introduces students to the geographical perspective and focuses on spatial distributions of human activities and investigates underlying geographical processes that account for present and past cultural patterns such as population, folk and popular culture, language, religion, gender, ethnicity, politics, urban and rural land use, and economic development. (MC)
- 1310 (GEOG 1303) World Geography. (3-0) This course stresses the similarities and differences of the major world regions. Emphasis is given to human behavior in a spatial context. (MC)
- 2310 Introduction to Environmental Geography. (3-0) Introduces the Geographic perspective to examine the Earth's environment and its opportunities, constraints, and risks, Principles of scale space, and distributions will be used in examining the environment.
- 2410 Introduction to Physical Geography. (3-2) A systematic study of the various elements that make up the Earth's physical environment, weather, climate, vegetation, soil, and landforms. Prerequisite: MATH 1315 or above (excluding MATH 1316) with a grade of "C" or higher.
- 2411 Maps and Society. (2-4) An introduction to map use designed to serve all university thematic topographic, weather, and computer-generated; are surveyed from the points of view of their correct uses and appropriate interpretations. no drafting background or artistic ability needed.
- 2420 Introduction to Geographic Information Techniques. (3-2) The course will introduce the foundations of geographic information systems (GIS), global positioning systems (GPS), remote sensing, cartography, data analysis, and other tools and methods used by geographic information scientists. Maps, data collection, using and creating Internet content, and data analysis and display will be topics in the course.
- 2426 Fundamentals of Geographic Information Systems. (2-4) This course is an introduction to Geographic Information Systems (GIS), a tool for integrating and analyzing spatial data to visualize relationships, seek explanations and develop solutions to pressing problems. The foundations and theory of GIS will be emphasized.
- 2427 Management and Implementation of GIS. (2-4) This course addresses strategies for successful GIS management and implementation in an organization-wide context and is organized around four primary issues: implementation planning, data management, technology assessment, and organizational setting. Prerequisite: GEO 2426 or equivalent.
- 3134 Water Quality Monitoring and Management. (0-3) This course incorporates the water quality training of Texas Watch so students can receive certification and become Texas Watch water quality monitors. In addition, students learn to compile, analyze, and present water quality data for watershed management. May be repeated once for credit. Corequisite or prerequisite: GEO 3434.
- 3301 Quantitative Methods in Geography. (3-0) This course introduces the quantitative methods used by geographers to describe, explain, and predict spatial organization. Course topics include statistical techniques, from summary descriptive measures through simple linear regression, and the utility of statistical software for solving geographic problems. Prerequisite: MATH 1315 or above (excluding MATH 1316) with a grade of "C" or higher.
- 3303 Economic Geography. (3-0) This course investigates the geographic organization of economic activity with emphasis on the interconnections from global to local scales. Technological advances, resource creation and destruction, supply and demand, distribution and development, environmental impacts, and economic justice are addressed. Theoretical models are used to interpret past and current situations. (MC)
- 3305 Climatology. (3-0) Introduction to the elements of climate and their use in environmental monitoring and analysis. Prerequisite: GEO 1305 or 2410 with a grade of "C" or higher.
- 3307 Geography of Europe. (3-0) The course presents a systematic and regional investigation of the physical and cultural processes and phenomena that have created the characteristic landscapes of Europe. Topics include the climate, landform regions, trade, transportation, urban growth, population change, and the evolution of economic integration in the region. (MC)
- 3308 Latin America. (3-0) A regional survey of the physical and cultural geography of Latin America. (MC)
- 3309 United States and Canada. (3-0) This course provides a systematic and regional analysis of the United States and Canada with emphasis on contemporary economic, environmental, political, and social issues. (MC) (WI)
- 3310 Urban Geography. (3-0) The study of city systems, form, and development with emphasis on functional patterns, economic base, industrial location, service, and social area analysis.
- 3313 Natural Resource Use and Planning. (3-0) Problems involved in the use and conservation of natural and agricultural resources.
- 3320 Community and Regional Planning. (3-0) History and development of planning in the United States, organizational and legal frameworks for planning, and an analysis of planning approaches and procedures, particularly within the context of the comprehensive plan. (WI)
- 3321 Energy Resource Management. (3-0) An analysis of energy sources, their distribution and characteristics, and the problems associated with their use and management. (WI)
- 3323 Location Analysis. (3-0) Location and movement stressed in terms of the factors considered in locating industry, business, housing, and community facilities.
- 3325 Geomorphology. (3-0) This course provides a study of landforms, the processes and materials that form them and change them over time. Students will be introduced to bibliographic research and the interpretation of landforms and landscapes in

- the field from photographs or maps. Prerequisite: GEO 2410 or GEOL 1410 or equivalents with a grade of "C" or higher.
- 3328 Geography of North Africa and the Middle East. (3-0) A regional treatment dealing with the physical features and cultural activities of the people in North Africa and the Middle East. (MC)
- 3329 Geography of Texas. (3-0) A physical and cultural geography of Texas with special emphasis on human resources and economic activities. (MC)
- 3332 Geography of South and Southeast Asia. (3-0) This course is a systematic and regional overview of the physical and human geography of the countries of the Indian subcontinent and Southeast Asia. Topics include the monsoons, cultural diversity, rapid economic development, agricultural systems, and environmental problems. (MC) (WI)
- 3333 Geography of China and Japan. (3-0) This course provides a regional overview of the physical and human geography of the countries of East Asia. This course also systematically examines China, Korea, and Japan by closely examining such topics as the impacts of high population densities and intensive land use practices. (MC)
- 3335 Oceanography. (3-0) An introductory course about the physical, chemical, geologic, and biologic characteristics of the oceans and coastal areas. Emphasis will be placed on the role of the oceans as a component of the global environment. Prerequisite: "C" or higher in GEO 2410 or GEOL 1410 or BIO 1320 or BIO 1430.
- 3340 Political Geography. (3-0) Political geography concerns the interrelationship between political activities and spatial distributions. Topics include the concept of the state, international spheres of influence and confrontation, boundaries, contemporary world issues and problems, and geographic aspects of electoral politics. (MC)
- 3349 Population Geography. (3-0) An in-depth study of the spatial distribution and movement of human populations. The course will emphasize current issues and analytical techniques. Topics will include the impact of population growth, spatial diffusion processes, migration trends and theories, explanation of regional demographic differences, and techniques such as population projections. (MC)
- 3351 Geography of Health. (3-0) This course introduces concepts of health, health care, disease, and illness from a geographical perspective. The course will examine how people and societies interact geographically with the environment in ways that result in varying degrees of health. The focus will be on understanding health from the perspective of populations rather than individuals in a geographic context.
- 3353 American Ethnic Geography. (3-0) A geographical analysis of ethnic groups in the United States with emphasis on their settlement patterns, spatial interactions, and current problems. (MC)
- 3411 Maps and Mapmaking. (3-2) An introduction to reference and thematic map use and design. The course introduces basic cartographic mapping techniques for quantitative and qualitative data, teaches about geospatial analysis and interpretation, and enables students to design basic maps. Prerequisite: MATH 1315 or above (excluding MATH 1316) with a grade of "C" or higher.
- 3416 Principles of Remote Sensing. (3-2) Introduction to the acquisition, mensuration, interpretation, and mapping of aerial photographs and satellite images for environmental monitoring and inventorying. Prerequisite: GEO 2410 with a grade of "C" or higher.
- 3434 Water Resources. (3-2) This course analyzes within a geographical perspective, the formation, use, conservation, and management of water resources. The students will develop a working knowledge of the hydrologic, water quality, legal, economic, political, and societal factors that determine water availability, hazards, use, demand, and allocation. Prerequisite: GEO 2410 or equivalent with a grade of "C" or higher.
- 4190 Independent Study. (1-0) Individual study under direct supervision of a professor. May involve field trips. This course may be repeated for credit, but a student may not exceed six hours of credit in Independent Study.
- 4290 Independent Study. (2-0) Individual study under direct supervision of a professor. May involve field trips. This course may be repeated for credit, but a student may not exceed six hours of credit in Independent Study.
- 4306 Geography of the Southwest. (3-0) Though primarily defined by aridity, the southwestern United States is extremely diverse in its environments and its people. This course explores how people have related to this land. This course also examines current issues and future trends in natural resources and cultural processes in the region. (MC)
- 4310 Regional Field Studies. (3-0) Observation, description, and analysis of a geographical environment based upon off-campus study in that environment. May be repeated once, provided the second study is in a different region, for a total of 6 semester hours. (WI)
- 4313 Environmental Management. (3-0) This course provides an analysis of the causes of environmental problems, from local to global scale, and the evaluation of attempts at management and solutions of those problems. Emphasis will be placed on the role that geography can play in environmental degradation and management. Prerequisite: GEO 2410 with a grade of "C" or higher. (WI)
- 4314 River Basin Management. (3-0) The purpose of this course is to study principles and practices of large-scale river basin management. Emphasis is on integrated management of land and water resources, including economic development and environmental protection issues. Prerequisite: GEO 2410 with a grade of "C" or higher. (WI)
- 4316 Landscape Biogeography. (3-0) Investigation of present-day and post-Pleistocene spatial patterns of plants, animals, and biogeographical processes. Human interactions with biogeographical patterns is also addressed, as are methods for reconstructing Holocene patterns of biogeographic distribution. Course to be taught over every other year. Prerequisite: GEO 2410 with a grade of "C" or higher.
- 4321 Planning Methods and Procedures. (3-0) A practical course on the design, analysis, and implementation of planning studies and procedures, with emphasis on methods utilized in planning for housing, community facilities, industry, commerce, and transportation including a discussion of renewal, community development, fund generation, and programming. Prerequisite: Grade of "C" or better in GEO 3320.

- 4322 Interpretive Environmental Geography. (3-0) Students learn principles, themes, and techniques for effective interpretation of environmental information to audiences ranging from park visitors to professional conferences. Interpretive themes are drawn from geographic concepts including the physical and cultural landscapes and cultural ecology. Techniques emphasize effective use of traditional and digital presentation methods. (WI)
- 4325 Fluvial Processes. (3-0) Students analyze modern principles of river processes and forms within a geographical perspective. This course examines the fundamental mechanics of fluvial channels with an emphasis on quantitative geographic evaluation of their processes. The course emphasizes natural scientific perspectives and includes linkages to ecology, engineering, resources management, and policy. Prerequisite: GEO 3325 or 3434 with a grade of "C" or higher.
- 4328 Geography of the Russian Realm. (3-0) This course presents a regional and systematic overview of the physical and human geography of the countries of the former Soviet Union. The course examines in depth issues such as the legacy of the degraded landscape and environmental problems left by decades of Soviet industrialization. (MC) (WI)
- 4334 Groundwater Resources. (3-0) This course examines, within a geographical perspective, the major concepts and principles that control groundwater availability and use. Students will analyze aquifer characteristics that determine their water quantity and quality. Constraints on aquifer use including environmental, economic, societal, and legal factors will be analyzed for optimizing aquifer management and water-use policy. Prerequisite: GEO 3434 with a grade of "C" or higher.
- 4335 Directed Research. (3-0) Individual and group research projects at the advanced level that are not offered in the present curriculum. Permission and project approval must be obtained from the faculty member prior to registration. This course may be repeated for credit, but a student may not exceed six hours of credit in Directed Research.
- 4336 Transportation Systems. (3-0) This course is an examination of the evolution of urban transportation systems, policies, institutions, and methods in the United States. Principles, procedures, and techniques of transportation planning in the State of Texas are covered and students are introduced to the literature in transportation geography and methods of transportation analysis.
- 4338 Land Use Planning. (3-0) A study of the patterns, characteristics, and impacts of land use at the local and regional levels. Also, how effective management through the use of such planning tools as the comprehensive plan, capital improvements, programming, subdivision regulations, and zoning influences the utility of land.
- 4339 Environmental Hazards. (3-0) Analysis of environmental hazards with respect to human use of the land. Includes geologic hazards and problems caused by floods and meteorological conditions. Prerequisite: GEO 2410 with a grade of "C" or higher.
- 4340 Fundamental Themes in Geography. (3-0) Students will become familiar with the K-12 Geography Texas Essential Knowledge and Skills (TEKS) and the national geography content standards, identify instructional resources and materials, design instructional units, and fully develop grade level appropriate inquiry based lessons and student assessments. (WI)
- 4341 Water Policy. (3-0) This course covers the evolution of water policy from the awareness of issues, through the political and legal process, to the implementation of specific plans, programs, and facilities. Prerequisite: GEO 3434 and 4313 with a grade of "C" or higher.
- 4350 Solid Waste Planning and Management. (3-0) A survey of the methods of solid waste disposal including waste storage, collection, transportation and disposal, and their short-and long-range effects on the environment. A practical course in the planning, implementation, and management of alternate methods of sanitary waste disposal. Prerequisite: GEO 2410 with a grade of "C" or higher.
- 4355 Geography of Crime. (3-0) This course provides understanding of geographical aspects of crime and criminal behavior. Students are exposed to theories and analysis methods and models explaining and predicting crime spatial patterns. Computer exercises give students hands on experience on crime pattern analysis.
- 4380 Internship in Geography. (3-0) On-the-job training in a public or private-sector agency. Students must apply to the department internship director at least six weeks prior to registering for the internship course. This course may be repeated one time for additional internship credit.
- 4390 Independent Study. (3-0) Individual study under direct supervision of a professor. May involve field trips. This course may be repeated for credit, but a student may not exceed six hours of credit in Independent Study.
- 4391 Environmental Geography of the Yellowstone Region. (3-0) Group investigation of the physical and cultural components of the Yellowstone region and its resulting landscape. Emphasis will be on the interaction between physical and cultural systems.
- 4393 Studies in Geography. (3-0) A course that is designed to consider a selected study in geography. Course studies may vary depending on faculty and student interests and may be applied to the appropriate undergraduate geography major. Repeatable once with different emphasis.
- 4411 Advanced Cartographic Design. (2-4) This advanced course in cartography focuses on thematic map design. The objective is to produce a cartographic portfolio of well-designed, professional grade maps. Theoretical concepts and principles will be introduced using practical examples and written assignments. Prerequisite: GEO 3411 with a grade of "C" or higher.
- 4412 Digital Remote Sensing. (3-2) Introduction to the digital image processing of satellite scenes including restoration, enhancement, classification, change detection, and mapping for environmental monitoring and inventorying. Prerequisite: GEO 3416 or equivalent with a grade of "C" or higher. (WI)
- 4417 Digital Terrain Modeling. (3-2) The course focuses on the mapping, transformation, mensuration, visualization, and applications of digital elevation models in Geography. Prerequisite: GEO 3416 or equivalent with a grade of "C" or higher.
- 4422 Web Mapping. (2-4) The course introduces students to modern interactive and dynamic mapping and GIS techniques that allow internet-based cartographic representations of temporal and non-temporal geospatial objects and

phenomena. Prerequisite: GEO 3411 or equivalent with a grade of "C" or higher.

- 4426 Advanced Geographic Information Systems I. (2-4) This course builds on the principles introduced in GEO 2426 and presents an in-depth examination of the technical aspects involved in spatial data handling, analysis, and modeling. Prerequisite: GEO 2426 or equivalent with a grade of "C" or higher.
- 4427 GIS Design and Implementation. (2-4) This course involves students working as a team on a substantive GIS project, which is designed and conducted by the class. Students will develop and demonstrate competence in GIS techniques at the professional level. Prerequisite: GEO 4426 or equivalent with a grade of "C" or higher. Junior or Senior Standing.
- 4430 Field Methods. (2-4) Methods and techniques for observing, measuring, recording, and reporting on geographic phenomena are investigated in this course. Students will learn the use of instruments and materials in the collection of data for mapping and field research in the local area. Prerequisites: GEO 2410 and 3301 or equivalents with a grade of "C" or higher. (WI)

Courses in Geology (GEOL)

- 1410 (GEOL 1403) Physical Geology. (3-2) The study of materials making up the Earth, the processes that act upon them, and the results of these processes; the development of tools for the interpretation of earth's history and structure, and the major geologic concepts.
- 1420 (GEOL 1404) Historical Geology. (3-2) A continuation of physical geology leading to consideration of the geologic history of the Earth (with special emphasis on North America), the evolution of life, the continents through geologic time and the principles and procedures used in the interpretation of earth history. Prerequisite: GEOL 1410.
- 2410 Mineralogy. (2-6) Study of the crystal systems, physical properties, classification, and hand specimen identification of common rock-forming and ore minerals. One semester of Chemistry recommended. Prerequisites: Chemistry 1141/1341, and "C" or better in GEOL 1410 and 1420.
- 3400 Petrology. (3-3) An introduction to the hand specimen and microscopic study of igneous, sedimentary, and metamorphic rocks. This course includes the origin of mineral assemblages that make up rocks and the environments of formation. Prerequisite: "C" or better in GEOL 2410.
- 3410 Sedimentation and Stratigraphy. (3-3) Principles of the weathering, transportation, deposition, and lithification of sediments. Primary structures and textures of sediments are used to determine environments of deposition. The recognition and classification of strata into stratigraphic units. Prerequisite: GEOL 2410 completed with a grade of "C" or higher.
- 3430 Structural Geology. (3-3) Description, classification, and origin of Earth structures and the stresses involved in their formation. Solution of structural geology problems using analytical geometry, geologic maps, contouring of data, and preparation of cross sections. Prerequisites: GEOL 1410 and 1420 (or equivalents).
- 3440 Paleontology and Biostratigraphy. (3-3) Identification of ancient invertebrate faunas and their applications in reconstruction of paleoenvironments, paleogeography, and the means by which "time" correlations can be effected in

sedimentary strata. Field intensive course, 1 full day in the field per week. Course will be offered alternating summers. Prerequisites: GEOL 1410 and 1420 (or equivalents).

- 4121 Directed Study. (1-0) Independent study of a particular subject area in geology. Specific topic to be discussed and agreed upon prior to registration. May be repeated once with different emphasis and professor for additional credit. Prerequisite: Approval of the instructor.
- 4320 Topics in Field Geology. (1-6) On-site directed investigations of geology in locations remote from campus.
- 4330 Applied Geology. (1-6) Application of practical geologic laboratory and field methods to environmental, engineering, and planning projects. Prerequisites: GEOL 1410 and 1420. (WI)
- 4421 Hydrogeology. (3-3) This course will provide the student with an introduction to the science of hydrogeology, a conceptual and quantitative understanding of groundwater from a geological/ mathematical/ geochemical perspective, and experience with hydrogeology applications. Prerequisites: GEOL 1420 (or equivalent) and a minimum of 3 hours of college-level chemistry. (WI)

Courses in Nature and Heritage and Tourism (NHT)

- 4301 Planning and Development of Nature and Heritage Tourism. (3-0) This course applies basic planning and development principles to the special issues of nature and heritage tourism. Particular emphasis is placed on locational analysis, site analysis, and planning for sustainable use.
- 4302 Internship in Nature and Heritage Tourism. (0-10) Students will work in private or public sector settings to gain practical experience in the planning, development and management of nature and/or heritage tourism. Internships must be approved by the director of the Center for Nature and Heritage Tourism. Students will be expected to perform at high professional standards and will interpret the internship experience within the context of current literature. Prerequisite: NHT 4301.

Department of History

Taylor-Murphy 202

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www.txstate.edu/history

DEGREE PROGRAMS OFFERED

BA, major in History

BA, major in History (with Teacher Certification, Single Teaching Field)

BA, major in History (with Teacher Certification, Two Teaching Fields)

BA, major in History (with Teacher Certification, Social Studies Composite)

As an undergraduate major, the discipline of history provides students with skills and knowledge valued in our increasingly global society and economy. Emphasizing both American and World societies, cultures, and politics, history imparts important understandings of human motivation and interaction, which form an essential background for all current activities whether they are in the realm of business, law, journalism, politics, or education. Students in history develop skills in intensive reading, expository writing, and logical and analytical thinking while learning how to communicate electronically.

Academic Advising

The Department of History provides extensive academic advising services which include group and individual advising. All History majors are encouraged to seek advice about program requirements and course selection each semester. The academic advisor can offer detailed program and course information as well as course checklists for each degree program offered. Proper academic planning and academic advising leads students toward completing the steps for satisfying graduation requirements.

Bachelor of Arts
Major in History
Minimum required: 120 semester hours

General Requirements:

1. The major requires 33 hours, including HIST 1310 and 1320, 2310 or 2311, 2320 or 2312, HIST 4399 (Senior Seminar) and 18 hours of advanced HIST courses. In choosing advanced History courses, students are required to complete at least one course from Group A (World History) one course from Group B (European History), and one course from Group C (U.S. History). The remaining 9 hours of History must be selected from group A, B, or C, but no more than three courses may be taken from any one group.
2. Majors must satisfy general education core curriculum and BA requirements.
3. Majors must complete an approved minor. See minors in the Degrees and Programs section of this catalog.
4. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the 120 and/or the 36 advanced hours required.

Group A (World History): 3319; 3320; 3322; 3324; 3325F, G, H; 3326; 3327; 3329; 3368F; 4318G; 4325; 4326; 4327; 4333; 4334; 4343; 4344; 4350A, B, D, E, F, G, H, I, J, K, L, M; 4368; 4373; 4388 (All 3 groups according to topic).

Group B (European History): 3310; 3311; 3312; 3313; 3314; 3315; 3316; 3358; 3361; 4303; 4304; 4307; 4309; 4317; 4318A, G, H, J, O, P; 4320; 4333; 4334; 4335; 4336; 4337; 4368; 4388 (All 3 groups according to topic).

Group C (U.S. History): 3329; 3340; 3341; 3342; 3343; 3344; 3346; 3349; 3352; 3353; 3357; 3359; 3363; 3365; 3368A, B, D, E, F, G, H, I, J, K, L; 3369Q, V, Y, Z; 3372; 3373A, B, C; 3375A; 3380; 4360; 4361; 4363; 4364; 4365; 4367; 4368; 4371; 4372; 4373; 4375A, B; 4376; 4388 (All 3 groups according to topic); 4390.

Group D (Capstone and Teacher Certification Preparation): 4300; 4380; 4399.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	COMM 1310	3	ENG 2310, 2320, 2330, 2340, 2359 or 2360	3
US 1100	1	HIST 1310	3	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	Modern Language 2320	3
POSI 2310	3	POSI 2320	3	Modern Language 2310	3	HIST 2310 or 2311	3
MATH 1315 or higher	3	Modern Language 1420	4	HIST 1320	3	Natural Science Component	3-4
Modern Language 1410	4	PHIL 1305 or 1320	3	Social Science Component	3	PFW	1
PFW	1			PFW	1		
Total	15	Total	16	Total	16	Total	13-14

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	HIST Advanced Group electives	6	Electives as needed	3	Electives as needed	6
Natural Science Component	3-4	BA Science Requirement	3	HIST advanced Group electives	6	HIST Advanced Group Electives	3
HIST 2320 or 2312	3	Minor	6	Minor	6	Minor	3
HIST advanced Group electives	3					HIST 4399	3
Minor	3						
Total	15-16	Total	15	Total	15	Total	15

Bachelor of Arts
Major in History (with Certification—Single Field Teacher)
Minimum required: 132 semester hours

General Requirements:

1. This option is designed to prepare majors for secondary teacher certification in History.
2. The major requires 33 hours, including HIST 1310, 1320, 2311, 2312; HIST 4380, and 18 hours of advanced History electives. Students are required to take one course from Group A (World History), one course from Group B (European History), three courses from Group C (U.S. History), and one course from either Group A or B.
3. ECO 2301 or 2314 is recommended to satisfy the Social Science Component area.
4. Majors must complete an approved minor. See minors in the Degrees and Programs section of this catalog.
5. Majors must satisfy general education core curriculum, teacher certification, and BA requirements.
6. All required course work must be completed before student teaching (EDST 4681). Course work related to the teaching field ENG 1310 and 1320, and Education courses must be completed with a grade of C or higher in addition to a 2.5 GPA in all teaching fields.
7. In addition to the teaching field students must also complete 21 hours of professional sequence courses under the College of Education: CI 4332, 3325, 4370, 4343; RDG 3323; and EDST 4681 (student teaching).

Group A (World History): 3319; 3320; 3322; 3324; 3325F, G, H; 3326; 3327; 3329; 3368F; 4318G; 4325; 4326; 4327; 4333; 4334; 4343; 4344; 4350A, B, D, E, F, G, H, I, J, K, L, M; 4368; 4373; 4388 (All 3 groups according to topic).

Group B (European History): 3310; 3311; 3312; 3313; 3314; 3315; 3316; 3358; 3361; 4303; 4304; 4307; 4309; 4317; 4318A, G, H, J, O, P; 4320; 4333; 4334; 4335; 4336; 4337; 4368; 4388 (All 3 groups according to topic).

Group C (U.S. History): 3329; 3340; 3341; 3342; 3343; 3344; 3346; 3349; 3352; 3353; 3357; 3359; 3363; 3365; 3368A, B, D, E, F, G, H, I, J, K, L; 3369Q, V, Y, Z; 3372; 3373A, B, C; 3375A; 3380; 4360; 4361; 4363; 4364; 4365; 4367; 4368; 4371; 4372; 4373; 4375A, B; 4376; 4388 (All 3 groups according to topic); 4390.

Group D (Capstone and Teacher Certification Preparation): 4300; 4380; 4399.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	COMM 1310	3	ENG 2310, 2320, 2330, 2340, 2359 or 2360	3
US 1100	1	HIST 1310	3	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	Modern Language 2320	3
POSI 2310	3	POSI 2320	3	Modern Language 2310	3	HIST 2311	3
MATH 1315 or higher	3	Modern Language 1420	4	HIST 1320	3	Natural Science Component	3-4
Modern Language 1410	4	PHIL 1305 or 1320	3	Social Science Component	3	PFW	1
PFW	1			PFW	1		
Total	15	Total	16	Total	16	Total	13-14

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	BA Science Requirement	3	HIST advanced Group Electives	6	CI 4370, 4343 RDG 3323 (Block)	9
CI 4332	3	CI 3325	3	Minor	9	HIST 4380	3
HIST 2312	3	HIST Advanced Group Electives	6			HIST Advanced Group Electives	3
HIST Advanced Group Electives	3	Minor	3				
Natural Science Component	3-4						
Total	15-16	Total	15	Total	15	Total	15

Senior Year - 3rd Semester	
Course	Hr
EDST 4681	6
Total	6

Bachelor of Arts
Major in History (with Certification-Two Teaching fields)
Minimum required: 132 semester hours

General Requirements:

1. This option is designed to prepare majors for secondary teacher certification in History and an additional teaching field.
2. The major requires 33 hours, including HIST 1310, 1320, 2311, 2312; HIST 4380, and 18 hours of advanced HIST electives. In choosing advanced History electives, students are required to take one course from Group A (World History), one course from Group B (European History), three courses from Group C (U.S. History), and one course from either Group A or B.
3. ECO 2301 or 2314 is recommended to satisfy the Social Science Component area.
4. Majors must complete an approved second teaching field.
5. Majors must satisfy general education core curriculum, teacher certification, and BA requirements.
6. All required course work must be completed before student teaching (EDST 4681). Course work related to the teaching fields, plus ENG 1310 and 1320, and Education courses must be completed with a grade of C or higher in addition to a 2.5 GPA in all teaching fields.
7. In addition to the first and second teaching fields, students must also complete 21 hours of professional sequence courses under the College of Education: CI 4332, 3325, 4370, 4343; RDG 3323; and EDST 4681 (student teaching).

Group A (World History): 3319; 3320; 3322; 3324; 3325F, G, H; 3326; 3327; 3329; 3368F; 4318G; 4325; 4326; 4327; 4333; 4334; 4343; 4344; 4350A, B, D, E, F, G, H, I, J, K, L, M; 4368; 4373; 4388 (All 3 groups according to topic).

Group B (European History): 3310; 3311; 3312; 3313; 3314; 3315; 3316; 3358; 3361; 4303; 4304; 4307; 4309; 4317; 4318A, G, H, J, O, P; 4320; 4333; 4334; 4335; 4336; 4337; 4368; 4388 (All 3 groups according to topic).

Group C (U.S. History): 3329; 3340; 3341; 3342; 3343; 3344; 3346; 3349; 3352; 3353; 3357; 3359; 3363; 3365; 3368A, B, D, E, F, G, H, I, J, K, L; 3369Q, V, Y, Z; 3372; 3373A, B, C; 3375A; 3380; 4360; 4361; 4363; 4364; 4365; 4367; 4368; 4371; 4372; 4373; 4375A, B; 4376; 4388 (All 3 groups according to topic); 4390.

Group D (Capstone and Teacher Certification Preparation): 4300; 4380; 4399.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	COMM 1310	3	ENG 2310, 2320, 2330, 2340, 2359 or 2360	3
US 1100	1	HIST 1310	3	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	Modern Language 2320	3
POSI 2310	3	POSI 2320	3	Modern Language 2310	3	HIST 2311	3
MATH 1315 or higher	3	Modern Language 1420	4	HIST 1320	3	Natural Science Component	3-4
Modern Language 1410	4	PHIL 1305 or 1320	3	Social Science Component	3	Second Teaching Field	3
PFW	1			PFW	1	PFW	1
Total	15	Total	16	Total	16	Total	16-17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	BA Science Requirement	3	HIST advanced Group Electives	6	CI 4370, 4343 RDG 3323 (Block)	9
CI 4332	3	CI 3325	3	Second Teaching Field	9	HIST 4380	3
HIST 2312	3	HIST Advanced Group Electives	6			HIST Advanced Group Electives	3
HIST Advanced Group Electives	3	Second Teaching Field	3				
Natural Science Component	3-4						
Total	15-16	Total	15	Total	15	Total	15

Senior Year - 3rd Semester	
Course	Hr
EDST 4681	6
Total	6

Bachelor of Arts
Major in History
(Social Studies Composite with Teacher Certification: Geography Minor and Political Science Third Field)
Minimum required: 133 semester hours

General Requirements:

1. This option is designed to prepare students for secondary teacher certification in all four of the social studies disciplines: History, Geography, Government, and Economics.
2. Students must take ECO 2301 or 2314 as the social science component for the core curriculum, as Economics is another subject tested on the Social Studies Composite TExES exam.
3. Majors must satisfy general education core curriculum, teacher certification, and BA requirements.
4. The Social Studies Composite with a History major, Geography minor, and Political Science third field requires 30 hours of History, including HIST 1310, 1320, 2311, 2312, 4300 and 15 hours of advanced HIST electives. In choosing advanced History electives, students are required to complete one advanced course from Group A (World History), one advanced course from Group B (European History), two advanced courses from Group C (U.S. History), and one advanced course from either Group A or B. The minor in Geography (16 hours) requires the following: GEO 1309 or 1310, 2410, 3303, 3309, and 3329. The third field in Political Science (15 hours) requires the following: POSI 2310, 2320; 6 hours from Group 2 (American Government); and 3 hours from Group 3 (Public Law) selected from: POSI 3310, 3311, or 4311.
5. In addition to the first major, minor, and third field requirements, students must also complete 21 hours of professional sequence courses under the College of Education: CI 4332, 3325, 4370, 4343; RDG 3323; and EDST 4681 (student teaching).
6. All required course work must be completed before student teaching (EDST 4681). Course work related to the teaching fields, plus English 1310 and 1320, and all Education courses must be completed with a grade of C or higher in addition to a 2.50 GPA in all teaching fields.

Group A (World History): 3319; 3320; 3322; 3324; 3325F, G, H; 3326; 3327; 3329; 3368F; 4318G; 4325; 4326; 4327; 4333; 4334; 4343; 4344; 4350A, B, D, E, F, G, H, I, J; 4368; 4373; 4388 (All 3 groups according to topic).

Group B (European History): 3310; 3311; 3312; 3313; 3314; 3315; 3316; 3358; 3361; 4303; 4304; 4307; 4309; 4317; 4318A, G, H, J, O, P; 4320; 4333; 4334; 4335; 4336; 4337; 4368; 4388 (All 3 groups according to topic).

Group C (U.S. History): 3329; 3340; 3341; 3342; 3343; 3344; 3346; 3349; 3352; 3353; 3357; 3359; 3363; 3365; 3368A, B, D, E, F, G, H; 3369D, V, Y, Z; 3372; 3373A, B, C; 3375A; 3380; 4360; 4361; 4363; 4364; 4365; 4367; 4368; 4371; 4372; 4373; 4375A, B; 4376; 4388 (All 3 groups according to topic); 4390.

Group D (Capstone and Teacher Certification Preparation): 4300; 4380; 4399.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	COMM 1310	3	ENG 2310, 2320, 2330, 2340, 2359 or 2360	3
US 1100	1	HIST 1310	3	ENG Literature 2310, 2320, 2330, 2340, 2359, or 2360	3	Modern Language 2320	3
POSI 2310	3	POSI 2320	3	Modern Language 2310	3	HIST 2311	3
MATH 1315 or higher	3	Modern Language 1420	4	HIST 1320	3	GEO 2410	4
Modern Language 1410	4	PHIL 1305 or 1320	3	GEO 1309 or 1310	3	POSI Group II	3
PFW	1			PFW	1		
Total	15	Total	16	Total	16	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	ECO 2301 or 2314	3	HIST Advanced Group Electives	6	CI 4370, 4343 RDG 3323 (Block)	9
CI 4332	3	CI 3325	3	GEO 3309	3	HIST 4300	3
HIST 2312	3	HIST Advanced Group Electives	3	POSI 3310, 3311, or 4311	3	HIST Advanced Group Electives	3
HIST Advanced Group Electives	3	GEO 3303	3	GEO 3329	3		
Natural Science Component	4	POSI Group II	3	Natural Science Component	3		
		PFW	1				
Total	16	Total	16	Total	18	Total	15

Senior Year - 3rd Semester	
Course	Hr
EDST 4681	6
Total	6

Bachelor of Arts
Major in History
(Social Studies Composite Teacher Certification: Political Science Minor and Geography Third Field)
Minimum required: 133 semester hours

General Requirements:

1. This option is designed to prepare students for secondary teacher certification in all four of the social studies disciplines: History, Geography, Government, and Economics.
2. Students must take ECO 2301 or 2314 as the social science component for the core curriculum, as Economics is another subject tested on the Social Studies Composite TExES exam.
3. Majors must satisfy general education core curriculum, teacher certification, and BA requirements.
4. The Social Studies Composite with a History major, Political Science minor, and Geography third field requires 30 hours of History, including: HIST 1310, 1320, 2311, 2312, 4300, and 15 hours of advanced HIST electives. In choosing advanced History electives, students are required to complete one advanced course from Group A (World History), one advanced course from Group B (European History), two advanced courses from Group C (U.S. History), and one advanced course from either Group A or B. The minor in Political Science (21 hours) requires the following: POSI 3300 or 3301; 2310, 2320; 6 hours from group II (Amer. Govt.), 3 hours from group III (Pub. Law) selected from 3310, 3311, or 4311; and POSI 4398. The third field in Geography (10 hours) requires the following: GEO 1309 or 1310, 2410, and 3303, or 3309.
5. In addition to the major, minor, and third field requirements, students must also complete 21 hours of professional sequence courses under the College of Education: CI 3310, 3325, 4332, 4343; RDG 3323; and EDST 4681 (student teaching).
6. All required course work must be completed before student teaching (EDST 4681). Course work related to the teaching fields, plus English 1310 and 1320, must be completed with a grade of C or higher and a 2.50 GPA in all teaching fields.

Group A (World History): 3319; 3320; 3322; 3324; 3325F, G, H; 3326; 3327; 3329; 3368F; 4318G; 4325; 4326; 4327; 4333; 4334; 4343; 4344; 4350A, B, D, E, F, G, H, I, J; 4368; 4373; 4388 (All 3 groups according to topic).

Group B (European History): 3310; 3311; 3312; 3313; 3314; 3315; 3316; 3358; 3361; 4303; 4304; 4307; 4309; 4317; 4318A, G, H, J, O, P; 4320; 4333; 4334; 4335; 4336; 4337; 4368; 4388 (All 3 groups according to topic).

Group C (U.S. History): 3329; 3340; 3341; 3342; 3343; 3344; 3346; 3349; 3352; 3353; 3357; 3359; 3363; 3365; 3368A, B, D, E, F, G, H; 3369Q, V, Y, Z; 3372; 3373A, B, C; 3375A; 3380; 4360; 4361; 4363; 4364; 4365; 4367; 4368; 4371; 4372; 4373; 4375A, B; 4376; 4388 (All 3 groups according to topic); 4390.

Group D (Capstone and Teacher Certification Preparation): 4300; 4380; 4399.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	COMM 1310	3	ENG 2310, 2320, 2330, 2340, 2359 or 2360	3
US 1100	1	HIST 1310	3	POSI 3300 or 3301	3	Modern Language 2320	3
POSI 2310	3	POSI 2320	3	Modern Language 2310	3	HIST 2311	3
MATH 1315 or higher	3	Modern Language 1420	4	HIST 1320	3	GEO 2410	4
Modern Language 1410	4	PHIL 1305 or 1320	3	GEO 1309 or 1310	3	POSI Advanced Group II	3
PFW	1			PFW	1		
Total	15	Total	16	Total	16	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	ECO 2301 or 2314	3	HIST Advanced Group Electives	6	CI 4370, 4343 RDG 3323 (Block)	9
CI 4332	3	CI 3325	3	GEO 3303 or 3309	3	HIST 4300	3
HIST 2312	3	HIST Advanced Group Electives	3	POSI Advanced Group	3	HIST Advanced Group Electives	3
POSI Advanced Group	3	POSI Advanced Group	3	POSI 4398	3		
Natural Science Component	4	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, or 2360)	3	PFW	1		
		Natural Science Component	3				
Total	16	Total	18	Total	15	Total	15

Senior Year - 3rd Semester	
Course	Hr
HIST Advanced Group Electives	3
EDST 4681	6
Total	9

Minor in History

A minor in History requires 24 semester hours which includes HIST 1310, 1320, 2310 or 2311 and 2320 or 2312, plus 12 hours advanced History courses. In selecting advanced courses students are required to take at least one course from Group A (World History), one course from Group B (European History), and one course from Group C (U.S. History).

Second Teaching Field in History

A second teaching field in History requires 27 semester hours: HIST 1310, 1320, 2311, 2312, six advanced hours of either Group A (World History) or Group B (European History), six advanced hours of Group C (U.S. History), and HIST 4380. Students seeking certification in History must maintain a GPA of 2.50 in all HIST courses with no grade lower than "C" in each course.

Courses in History (HIST)

HIST 2310 or 2311 and 2320 or 2312 are open to all students regardless of classification. However, it must be understood that HIST 2310 or 2311 and 2320 or 2312 will not satisfy the legislative requirement in American history. Students majoring in fields other than history would be well advised to begin with HIST 1310 or 1320.

- 1310 (HIST 1301) History of the United States to 1877. (3-0) A general survey of the history of the United States from its settlement to the end of Reconstruction. (MC/P) (WI)
- 1320 (HIST 1302) History of the United States, 1877 to Date. (3-0) A general survey of the history of the United States from Reconstruction to present. (MC/P) (WI)
- 2310 (HIST 2311) Western Civilization to 1715. (3-0) A general survey of western civilization from earliest times to the end of the 17th century. (MC) (WI)
- 2311 (HIST 2321) History of World Civilization to the 17th Century. (3-0) A general survey of world civilization from the earliest times to the 17th Century. (MC) (WI)
- 2312 (HIST 2322) History of World Civilization from the 17th Century. (3-0) A general survey of world civilization from the 17th Century to the present. (MC) (WI)
- 2320 (HIST 2312) Western Civilization, 1715 to Date. (3-0) A general survey of western civilization from the Treaty of Utrecht to the present. (MC) (WI)

Advanced Courses-Group A (World History)

- 3319 Colonial History of Brazil. (3-0) The development of the Portuguese society in South America from the sixteenth century until 1822. (MC) (WI)
- 3320 History of Mexico. (3-0) A survey of the national period of Mexican history from the independence movement to the present. (MC) (WI)
- 3322 Colonial History of Latin America to 1828. (3-0) A study of the colonial period of Latin America from the early Spanish and Portuguese colonization to the beginning of the period of independence. (MC) (WI)
- 3324 Latin America from Independence to Present. (3-0) This course examines the history of Latin America from independence to present. Explores the challenges of formation and consolidation of the new states; of economic policy and development; the rise of Populism and the age of reforms;

revolutions and revolutionary movements; and present challenges. (MC) (WI)

- 3325 Special Topics in Latin American History. (3-0) A study of various subjects or problems in Latin American history. Topics and instructors will vary from semester to semester. May be repeated with a different emphasis. (MC) (WI)
- 3325F Militarism in Latin America (3-0) An in-depth survey of militarism and the causes and processes of transition to democracy in Latin America. The course will examine the major characteristics of different types of military regimes in Latin America with particular attention to the military regimes in Argentina, Chile, Brazil, and Uruguay, and their relinquishing of power for democratic transitions. (WI)
- 3325G Modern Revolutions in Latin American History (3-0) This course will focus on the historical antecedents and events surrounding the Mexican, Guatemalan, Cuban, Chilean, and Nicaraguan revolutions. The purpose is to analyze these five revolutions and to come to an understanding of the current problems facing Latin America. (WI)
- 3325H Development and Underdevelopment in Latin America (3-0) This topic course discusses the economic history of Latin America from the colonial period to present and addresses the major phases of its development and the characteristics of its economics. It further discusses the several economic models that at different periods guided these economies and the differentiation of these economies at the end of the twentieth century. (WI)
- 3326 The Southern Cone of Latin America. (3-0) A topical survey of Argentina, Chile, Brazil, and Uruguay which stresses the political balance, geopolitical interests, and forces of commonality and division that have influenced this region since the colonial period. (MC) (WI)
- 3327 History of Mexico to 1848. (3-0) A survey of Mexico from prehistoric times to the Treaty of Guadalupe Hidalgo. (MC) (WI)
- 3329 Spanish Borderlands, 1521-1821. (3-0) A survey of the social, economic and political development of the frontier regions of Spain's empire in North America. (May be taken for either Group A or Group C credit.) (MC) (WI)
- 4325 Islamic History to 1798. (3-0) This course explores the history and culture of the Arab and Muslim peoples in the Middle East and North Africa from the late 6th century to Napoleon's invasion of Egypt in 1798. Emphasis is placed on the interrelationships of indigenous socio-economic structures and intellectual developments in Islamic theology and Shar' a law. (MC) (WI)
- 4326 The Modern Middle East. (3-0) This course emphasizes economic social and intellectual developments in the Arab Middle East and North Africa in the 19th and 20th centuries. Some attention will be paid to Iran in the period after World War II. (MC) (WI)
- 4327 The Problem of Palestine. (3-0) Examination of Arab Palestine. Ottoman records to 1914, Israel's creation in 1948, and Jordan's loss of control of the West Bank and Gaza in 1967 will be surveyed. The Palestinian Diaspora, Yasir Arafat's leadership, and the "Intifada," also will be examined. (MC) (WI)
- 4343 Modern China, 1600-Present. (3-0) A survey of the political, social, economic, and intellectual history of China from 1600 to the present. Emphasis on the issues of domestic

- troubles and external aggression, and on the revolutionary changes in the 19th and 20th centuries. (MC) (WI)
- 4344 Modern Japan, 1600-Present. (3-0) A survey of the political, social, economic, and intellectual history of Japan from 1600 to the present. Focus on the radical changes in the state, society, and economy in the 19th and 20th centuries and on the impact of these changes on Japan's status in the world today. (MC) (WI)
- 4350 Special Topics in World History. (3-0) A course based on major topics in World history. Emphasis will vary from political, social, economic, and cultural history in a cross-cultural context. May be repeated with a different emphasis. (MC) (WI)
- 4350A Slavery and Emancipation in the Americas (3-0) An Atlantic and continental perspective of the institutionalization of the slave trade, the adaptation of the plantation system and the evolution of slave laws, the various models of emancipation in the Americas, followed by the modified forms of indigenous and foreign slave labor adopted in the Americas. (WI)
- 4350B Origins of the Modern Global Economic System (3-0) An interdisciplinary and inter-cultural perspective that examines the rise and fall of the economic system of the thirteenth century centered in Asia and the reasons why the system was eclipsed in the fifteenth century by a new economic system centered in Europe. (WI)
- 4350D Empire and Identity in Central Asia (3-0) This course explores the historical development of local, ethnic, and national identity in Central Asia from the 13th-century Mongol conquest to the present. The course concludes with explorations of the transnational links within the region and the challenges and possibilities for the five Central Asian republics in the post-Soviet era. (WI)
- 4350E Gender in Latin American History (3-0) This course surveys the role of gender in Latin American history, from pre-conquest to the present. It analyzes Latin American politics, culture, and economics, and gives particular attention to the creation and resistance of social norms. The course strengthens analytical skills through extensive discussion and writing. (WI)
- 4350F Postwar Japan. (3-0) This course explores Japan's development from the 1940s through the 1970s. Emphasis is on the continuities and discontinuities from the wartime to the postwar regime, American influence on policies and discourses on post-occupation society, the legacies of the war in culture and society, and the repercussions of economic affluence. (WI)
- 4350G Modern Korea. (3-0) A survey of the political, social, economic, and intellectual history of modern Korea. Focus on external aggression and internal transformation between 1876 and 1910, the impact of the Japanese rule, the split into two Koreas in 1945, and the North/South developments and interactions since then. (WI)
- 4350H Mahatma Gandhi and Non-Violent Political Movements. (3-0) Mohandas K. Gandhi is recognized as one of the major figures of the modern era. This course explores Gandhi's leadership of the non-violent movement against British colonialism in South Africa and India, and the legacy of Gandhi's ideas in other non-violent freedom movements of the twentieth century. (WI)
- 4350I History of India. (3-0) This course traces Indian history from ancient times to the creation of the present modern nation-states of India and Pakistan. It focuses on the cultural developments of the region, including the caste system and the religious traditions originating in India and the unique Islamic tradition that developed in South Asia. (WI)
- 4350J History and Culture of Modern India (1500-Present). (3-0) The course features an intensive study of the history of modern India. Course coverage includes the Mughal Empire, British Colonialism, Mahatma Gandhi and the Indian Independence Movement, and the establishment of the nations of India and Pakistan. (WI)
- 4350K Gender & Militarization in the Arab World. (3-0) For women and men in the modern Arab world, national identity and sovereignty – or civil war – influence how they live. This class takes advantage of cutting-edge scholarship on the twentieth-century Middle East to hone students' skills in historical analysis. (WI)
- 4350L History of Southeast Asia. (3-0) Southeast Asia today includes eleven countries: Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar (Burma), Philippines, Singapore, Thailand, East Timor, and Vietnam. This course will explore the region from its earliest origins through the periods of European colonialism, nationalism, revolution, and the transformation of old societies into new nations. (WI)
- 4350M History of Hong Kong. (3-0) A survey of the political, social, economic, and intellectual history of Hong Kong from 1842 to present. Topics covered include British rule and the Handover in 1997, the current Hong Kong Special Administrative Region of the People's Republic of China, and Hong Kong's status as a major world financial center. (WI)
- 4373 Economic and Social History of the Americas. (3-0) Comparative history of the Americas with special attention to the United States, Canada, and Mexico. Explores different patterns of economic growth and their impact on societies and international relations. (May be taken for either Group A or Group C credit.) (MC) (WI)

Advanced Courses-Group B (European History)

- 3310 History of Europe, 1815-1919. (3-0) The background, course, and results of World War I, with emphasis on imperialism, diplomatic alliances, and nationalistic rivalries from the Congress of Vienna to the Paris peace settlements. (MC) (WI)
- 3311 History of Europe Since 1919. (3-0) The rise of Communism, Fascism, and Nazism; the background of World War II, and the post-war problems of peace. (MC) (WI)
- 3312 Renaissance and Reformation. (3-0) The cultural, political, and economic changes that marked the transition from the Middle Ages in Europe to the modern period; special attention to the decline of the medieval church and the Protestant revolt. (MC) (WI)
- 3313 Europe During the Old Regime, 1600-1760. (3-0) A study of European society and institutions in the 17th and 18th centuries with special attention to the development of absolute and constitutional monarchy, the scientific revolution, and the intellectual ferment of the Enlightenment. (MC) (WI)
- 3314 Revolutionary Europe, 1760-1815. (3-0) A study of the dynamics of revolutionary change in France and the rest of

- the European continent from the period of the Seven Years War through the fall of Napoleon Bonaparte. (MC) (WI)
- 3315 History of England to 1603. (3-0) The development of the English nation from prehistoric times to the end of the Tudor Dynasty in 1603. (MC) (WI)
- 3316 History of England Since 1603. (3-0) The English nation and the British Empire from 1603 through the modern era. (MC) (WI)
- 3358 The Military History of the Western World. (3-0) A history of military institutions of the western world, with emphasis on the development of military thought, technology, and application from the earliest period to the present. (MC) (WI)
- 3361 The Napoleonic Wars. (3-0) Examines the origin, development and consequences of the Napoleonic Wars, 1754 to 1871. (MC) (WI)
- 4303 Ancient Greece and the Mediterranean World, 1600 B.C. to 30 B.C. (3-0) A survey of Greek and Hellenistic history from Mycenaean civilization to the Roman conquest of the Eastern Mediterranean. (MC) (WI)
- 4304 Ancient Rome and the Mediterranean 500 B.C. to 500 A.D. (3-0) A survey of Roman History from the Republican period to the fall of the Western Empire with emphasis on its Mediterranean milieu. (MC) (WI)
- 4307 Medieval European History, 300-1400. (3-0) A study of the Latin West and the Byzantine East during the Middle Ages with emphasis on the continuity of Greco-Roman culture as it encounters Islam and the Barbarians. (MC) (WI)
- 4317 Tudor-Stuart England, 1485-1689. (3-0) A study of the constitutional, social, political, and religious developments in England during the Tudor-Stuart dynasties. (MC) (WI)
- 4318 Special Topics in Interpretations of Modern European History. (3-0) A study of conflicting historical interpretations of several major topics in Modern European history, e.g., Napoleon, Italian Unification, the origins of World War I. Topics and instructors will vary from semester to semester. May be repeated with a different emphasis. (MC) (WI)
- 4318A Daily Life in the Roman Empire (3-0) A survey of the various aspects of daily life of the ancient Romans. (WI)
- 4318G Western Europe and the Development of Modern Africa (3-0) The course will examine the impact of western Europe on the development of African countries from c1640 to present. Themes to be considered include: the impact of the slave trade, the Mfecane, European penetration and conquest of Africa, African resistance, the varieties of colonialism and the legacy of the same. (May be taken for either Group A or Group B credit.) (WI)
- 4318H Everyday Life in Europe from the Reformation through World War II (3-0) A social history of Europe from 1500 to 1950, which allows students to relate the "great events" of history to the lives of ordinary people. Explores developments in family life and life-cycle; changes in material culture, including food, drink, clothing, housing; and the evolution of social and cultural issues such as crime, poverty, sexuality, spiritual life and popular entertainment. (WI)
- 4318J The Arab-Israeli Wars, 1948-1996 (3-0) Highlights the genesis of the Arab-Israeli wars from the inception of the Jewish State in 1948 to most recent developments. Will examine the seething nationalism, religious fervor, political and economic agendas, and military developments that fanned the flames of open hostilities. (WI)

- 4318O History of Modern Spain (3-0) The course traces the history of Spain from the time of Ferdinand and Isabella to the rise of the European Union. (WI)
- 4318P France and the Modern World. (3-0) A survey of important phenomena in nineteenth and twentieth-century French history that have had an impact on the development of the modern world. (WI)
- 4320 Origins of Christianity. (3-0) A survey of the development of the institutional church from the founding of the first primitive communities of believers to the rending of Christian unity in the 16th century. (MC) (WI)
- 4333 The History of Russia and Eurasia to 1917. (3-0) A survey of Kievan Rus, Muscovy, and the Russian Empire to 1917. (MC) (May be taken for either Group A or Group B credit.) (WI)
- 4334 The History of Russia and Eurasia from 1917 to Present. (3-0) A survey of the history of the former Soviet Union and post-Soviet society from 1917 to the present. (MC) (WI)
- 4335 Topics in 20th Century East European History. (3-0) A survey of the history of Eastern Europe. May be repeated with a different emphasis. (MC)(WI)
- 4336 Germany from 1815 to Present. (3-0) The political, social, economic, and cultural development of Germany since Napoleonic times. Includes the Confederation period, unification under Bismarck, the Second Empire, National Socialism, and the post-war period. (MC) (WI)
- 4337 Germany and National Socialism, 1918-1945. (3-0) Survey of German history and the Nazi movement. Topics covered will include the Weimar Republic, Hitler's rise to power, everyday life in Nazi Germany and in peace and war and the Holocaust. (MC) (WI)

Advanced Courses-Group C (U. S. History)

- 3340 History of the United States, 1877-1914. (3-0) A survey of American history from the end of Reconstruction to the outbreak of World War I with an emphasis on the pertinent historical literature. (WI)
- 3341 History of the United States, 1914-1945. (3-0) The study of American history from World War I through World War II with an emphasis on the pertinent historical literature. (WI)
- 3342 Social and Intellectual History of the United States, 1607-1865. (3-0) A history of American culture, with emphasis on the development of religious, political, social, and philosophical ideas through the Civil War. (WI)
- 3343 Social and Intellectual History of the United States since 1865. (3-0) A study of the development of the United States after 1865, with emphasis on the social, political, economic, aesthetic, and philosophical ideas that have influenced contemporary American culture. (WI)
- 3344 Economic History of the United States. (3-0) Economic history of the United States from the colonial times to the present. (WI)
- 3346 The Civil War and Reconstruction. (3-0) The history of the United States from the Compromise of 1850 through the election of 1876. (WI)
- 3349 The Constitution of the United States. (3-0) An intensive study of the origin and development of the Constitution of the United States. (WI)
- 3352 Western America. (3-0) A general examination of the Trans-Mississippi West, its major cultural, economic, political,

- and social frontiers, and its development as a region and as a national component, from 1803 to the present. (WI)
- 3353 The Greater Southwest. (3-0) A general examination of the region including Texas, California, and the states dominated geographically by the Great Basin, the Southern Rockies, and the Sonoran Desert, from the earliest European contacts to the present. (MC) (WI)
- 3357 History of U.S. Foreign Relations. (3-0) A study of American diplomacy since the Civil War. (WI)
- 3359 African American History. (3-0) A survey of African-American history, 1619 to the present. Emphases include African and European backgrounds, hemispheric slavery, slavery in early America, the antislavery movement, the Civil War and Reconstruction, post-Reconstruction culture and society, and Civil Rights movement. (MC) (WI)
- 3363 Early American History to 1763. (3-0) An intensive study of selected topics in the history of the settlement and expansion of British North America, including the development of the social, economic, and political life of the American colonies. (WI)
- 3365 The Early American Republic. (3-0) History of the early national era, 1788-1828, with emphasis on development of the first party system in American politics, the social and economic issues, the expansion of southern slavery, and the western frontier. (WI)
- 3368 Special Topics in Interpretation of American History. (3-0) A study of various topics in American History. Topics treated and instructors will vary from semester to semester. May be repeated for credit with a different emphasis. (WI)
- 3368A Introduction to Public History (3-0) A topic addressing the definition, evolution, and philosophy of public history. (WI)
- 3368B Courts and Society in Early America (3-0) A survey of American courts and society from its European antecedents to the mid-nineteenth century. (WI)
- 3368D Everyday America ca. 1900 (3-0) An interdisciplinary review of U.S. History during the 1880-1920 era that considers the visual arts, architecture, material culture, technology, leisure and work of Americans at the turn of the 20th century. (WI)
- 3368E United States Westward Expansionism, 1776-1861 (3-0) This course examines the expansion of the United State across the North American continent from the time of the American Revolution to the beginning of the Civil War. Special attention will be devoted to the Louisiana Purchase, the annexation of Texas, the Mexican Cession of 1848, and the Gadsden Purchase. (WI)
- 3368F History of U.S. Foreign Policy-Making in the Muslim World (3-0) A lecture and readings-based course in the history of U.S. foreign policy-making in the Muslim Middle East. (May be taken for either Group A or Group B credit.) (WI)
- 3368G Democracy and Education. (3-0) This course provides an overview of the relationship (and tension) between democracy and education in the U.S. between 1865 and 1930, when emancipation, westward expansion, rural poverty, and growing immigrant and working-class populations motivated reassessment and reform of public education to meet both individual and societal needs. (WI)
- 3368H LBJ's America. (3-0) This is a team-taught course covering LBJ's evolution as politician. Beginning with LBJ's early career, students will learn the New Deal/Rooseveltian roots of LBJ's political philosophy. Second, students will discuss LBJ's presidency, Great Society, and Civil Rights legislation. Lastly, students will study LBJ's Cold War politics, particularly the Vietnam conflict. (WI)
- 3368I Introduction to Ethnohistory. (3-0) Through readings, lectures, discussions, critical film viewing, and writing assignments, this course seeks to familiarize students with the methodologies, concepts, and theories of Ethnohistory, a multidisciplinary discipline that studies the historical, social and cultural processes undergone by so-called indigenous peoples before, during, and after contact with nation-states. (WI)
- 3368J The Space Race. (3-0) This course traces the history of space exploration, focusing on the competition between the United State and Russia since the launch of Sputnik in 1957. Themes include the creation and role of NASA, the scientific and economic impact of rocket science, and the political use of the space program. (WI)
- 3368K Topics in American Cultural History. (3-0) This course examines the history of specific expressive, popular, and symbolic forms of US culture in shaping American intellectual life, aesthetics, and material culture during the post-Civil War – mid 20th century period. (WI)
- 3368L History of Mexican American Music in the Southwest. (3-0) This class will explore Mexican American Music in all of its forms as it has developed in the American Southwest. The course will begin with an historical review of the region. It will then explore, from Islamic Spain to the contemporary Southwest, the development of musical language, styles and fusions. (WI)
- 3368M Popular Music and Social Movements in 20th Century America. (3-0) The examination of music as both a reflection of historical trends and a tool of social change will illuminate the relationship between music, culture, politics, and protest movements in 20th-century American history. (WI)
- 3369 Special Topics in American History. (3-0) A study of selected topics in American history. Topics treated and instructors will vary from semester to semester. May be repeated with a different emphasis. (WI)
- 3369Q The History of Country Music (3-0) Examines the development of Country Music in the Southern and Southwestern United States from 1920 to present, with emphasis given to Texas and its role in the evolution of this music. Reciprocal influences, including social, political, and economic factors, and ethnic identity, will be examined for the state and region. (WI)
- 3369Y Black Women and Black Protest in America (3-0) (MC) This course will trace the participation of Black women in every stage of Black protest in America from slavery and Reconstruction to Civil Rights and the Black Panthers. Through autobiographies, memoirs, film, literature, and monographs we will explore particular forms of Black female resistance, the unique concerns of Black female organizations, and the contradictions and successes Black women face within African-American freedom struggles. (WI)
- 3369Z Immigration and Ethnicity (3-0) This course will focus on the history of immigration into North America from colonial times to the present. It will examine how and why various individuals and groups emigrated to America, as well

- as what experiences they had after arriving. This course will look at how both immigrants and native-born Americans struggled to reconcile often conflicting notions of ethnic identity and national loyalty. Finally, this course will help students evaluate the impact of immigration and ethnicity on American society. (MC) (WI)
- 3370 The Tools and Techniques of Historical Research and Writing. (3-0) A survey of traditional research methodology and the basic techniques in quantitative historical research. (WI)
- 3372 Texas History: A Survey. (3-0) A one-semester survey of Texas History which will emphasize political, economic and social development from prehistory to the twentieth century. (MC) (WI)
- 3373 Special Topics in American Women's History. (3-0) Topics course that focuses on women as a force in American history from colonial to modern times, with emphasis on religious, social, and political movements. Women's activities are analyzed within the context of a multicultural, patriarchal society, and the roots of American feminism and the implications for women's future roles in society are explored. May be repeated for credit with a different emphasis. (MC) (WI)
- 3373A Women as a Force in American Society (3-0) This course surveys the roles of women as a force in American history from the colonial era to modern times. Particular emphasis is given to the role of women in religious, social, and political movements throughout American history. The public activities and personal choices available to women are analyzed within the context of being female in a patriarchal society. (WI)
- 3373B U.S. Women's History (3-0) Study of the diversity of women's experiences in the United States from 1890 to the present. The social, economic, political, and intellectual realms of women's worlds, both public and private, are explored. (WI)
- 3373C The History of Rural Women. (3-0) This course surveys rural women in the United States from the founding of the nation to the present. Topics include women's work in the agricultural economy, female influence in community and agrarian organizations, and the relationship between rural and government services from regional, national, and global perspectives. (WI)
- 3375 Topics in American Labor History, 1877-1945. (3-0) A topics course covering the history of American labor from the American Revolution to the present. May be repeated with a different emphasis. (WI)
- 3375A American Labor History, 1877-1945 (3-0) Examine the history of American labor in the era of the Industrial Revolution from the end of Reconstruction through World War II. Study the experiences of organized and unorganized workers in the context of their social, cultural, political, and workplace environments and investigate the role of labor in shaping American industrial society and institutions. Also, the course will examine managerial and public policy initiatives designed to promote labor peace and stabilize industrial relations. (MC) (WI)
- 3378 History of the Blues. (3-0) This course examines the evolution of the blues and other forms of African-American music throughout American history, with an emphasis on how blues music reflects the rich and complex traditions of the African-American community and helped give birth to rock & roll.
- 3380 The Desegregation of the South from 1944-1970. (3-0) Course will address the history and the historiography of the desegregation of the South from 1944-1970. (MC) (WI)
- 4360 History of the United States, 1945 to 1968. (3-0) A study of the interplay of economic, social, political, and cultural forces that shaped American society from the end of World War II to the presidential election of 1968. (WI)
- 4361 History of the United States, 1968 to the Present. (3-0) A study of the interplay of economic, social, political and cultural forces that have shaped American society from 1968 to the present. (WI)
- 4363 Riddles of the Civil War. (3-0) This course examines many unanswered questions or "riddles" of the American Civil War. Topics include, "Why Lincoln Chose to Invade," "Jomini, the Generals: Strategy and Tactics," "Lincoln, the Constitution and the War," "Interior lines: Strategic Casual Availability," etc. (WI)
- 4364 Military History of the United States. (3-0) A specialized study of the military problems of the United States since 1789 and their impact upon non-military problems. (WI)
- 4365 Early American History: The Revolutionary Period, 1763-1789. (3-0) A history of the American people during the age of the American Revolution, from the beginning of the crisis with Britain to the adoption of the Constitution. (WI)
- 4367 Antebellum America. (3-0) A survey of conflicting American attitudes about the desirability of a strong central government, rapid economic growth, aggressive national expansion, and human slavery in a democratic society. (WI)
- 4368 War and Society. (3-0) A study of the relationship of war with social and cultural institutions from the 18th century to the present. (May be taken for Group A, Group B, or Group C credit.) (WI)
- 4371 Introduction to American Indian History. (3-0) This course promotes understanding of the role played by the native peoples of North America in the history of the United States. Among the subjects to be covered through lectures and discussions: initial migrations and cultural development; impact of European conquest; adaptation; removal and reservation life; 20th century adjustments. (MC) (WI)
- 4372 Mexican American History. (3-0) A survey of the political, economic, and social-cultural role of the Mexican-American in United States from the era of Spanish colonization to the present. (WI)
- 4375 Special Topics in Texas History. (3-0) A study of selected topics in Texas history. Topics treated and instructors will vary from semester to semester. May be repeated for credit with a different emphasis. (WI)
- 4375A Critical Issues in Texas History (3-0) Emphasis will be on significant critical issues in Texas history. Topics will include: Mexican independence, Texas and U.S. expansion, the Texas Revolution and the Mexican War, the Civil War and Reconstruction, Spindletop, the Depression and WWII, and the rise of urban, high-tech Texas. (WI)
- 4375B African-American Experience in Texas (3-0) People of African ancestry have played a role in Texas history since Estebanico accompanied Cabeza de Vaca in exploring the region in the 1530s. As slaves, soldiers, and cowboys, Afro-Texans have participated in the state's development while

being at the center of controversies regarding rights, race-mixing and economic opportunity. (WI)

- 4376 **The History of Texas Music.** (3-0) Examination of the evolution of music in Texas and the American Southwest, emphasizing how music reflects the richly diverse ethnic and cultural heritage of the region. It also considers the importance of ethnic identity and other social, political, and economic factors in shaping the Southwest, its people, and its music. (MC) (WI)
- 4388 **Problems in History.** (3-0) This is an independent study course open to advanced students on an individual basis. Repeatable for credit with different emphasis. (May be taken for either Group A, B, or C credit.) Prerequisite: Approval of the Department Chair. (WI)
- 4390 **History Practicum.** (3-0) Researching, Writing, and Publishing Local History. This course will involve students in researching, writing, and publishing short historical guidebooks to sites/areas such as San Marcos, San Antonio, Fredericksburg, etc. Using desk-top publishing techniques, which are to be taught, the short (24-48 pages) guidebooks will be produced and marketed by the class. (WI)

Advanced Courses-Group D (Capstone and Teacher Certification Preparation)

- 4300 **Social Studies Resources and Practices.** (3-0) This course is required for those students seeking the Social Studies Composite. This is an interdisciplinary methods course designed for students planning to teach Social Studies at the secondary level. This course will examine the philosophy behind the social sciences as well as integrate instructional techniques of History, Economics, Political Science, and Geography. Prerequisite: Departmental approval. (WI)
- 4380 **Historical Resources and Practices.** (3-0) This course is required for students seeking teacher certification in History. This course is an introductory methods course designed to familiarize students with general historical practice and its application in secondary teaching. Prerequisite: Departmental approval required. (WI)
- 4399 **Senior Seminar.** (3-0) This course is required for History majors not seeking teaching certification. In this course students refine skills and techniques essential to the historical profession. Students analyze primary and secondary sources, apply methods, and write a term paper. Prerequisite: 24 semester credit hours in History and departmental approval. (WI)

Department of Modern Languages

Centennial Hall 214

T: 512.245.2360 F: 512.245.8298

www.modlang.txstate.edu

DEGREE PROGRAMS OFFERED

BA, major in French

BA, major in French (with Teacher Certification)

BA, major in German

BA, major in German (with Teacher Certification)

BA, major in Spanish

BA, major in Spanish (with Teacher Certification)

MINORS OFFERED

French

German

Japanese

Spanish

The Department of Modern Languages offers courses in American Sign Language, Arabic, Chinese, French, German, Italian, Japanese, and Spanish. Instruction focuses on the acquisition of proficiency in the foreign language and on the development of knowledge of the culture, traditions, and literature of the speakers of the foreign language. Majors in French, German, or Spanish complete 24 hours of upper division course work and may simultaneously earn teacher certification.

People proficient in a foreign language have always been in demand in both the public and private sectors. As communication specialists, they bridge the gap between nations and make possible the free interchange of information, ideas, and transactions. Career opportunities abound in such diverse fields as interpretation, international business, international law, foreign affairs, publishing, and teaching.

Language Requirement

For the BA, a proficiency level of successful completion of American Sign Language, Arabic, Chinese, French, German, Italian, Japanese, Latin, or Spanish 2310 and 2320 is required. Most students will need to complete the first year of the language (1410 and 1420) before beginning 2310.

Students who have previous language experience are required to take a placement/credit test in that language on the first-class day in any first-semester class (1410).

Students who choose Spanish as their foreign language, must earn a grade of "C" or higher in each course (SPAN 1410, 1420, 2310, and 2320) to advance to the next level course.

Bachelor of Arts
Major in French
 Minimum required: 120 semester hours

General Requirements:

1. Majors must complete 24 upper division (3000-4000 level) hours in French and maintain a GPA of at least a 2.50 in all upper division French course work to meet graduation requirements.
2. A minor must be completed.
3. Majors must satisfy general education core curriculum and BA requirements.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	HIST 1310	3	PHIL 1305 or 1320	3	POSI 2320	3
ENG 1310	3	ENG 1320	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	FR 2320	3
US 1100	1	MATH 1315 or higher	3	FR 2310	3	Natural Science Component	4
POSI 2310	3	FR 1420	3	Natural Science Component	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3
FR 1410	4	PFW	1	HIST 1320	3	Social Science Component	3
PFW	1						
Total	15	Total	14	Total	15	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	FR upper division hours	9	FR upper division hours	6	FR upper division hours	3
Minor	3	Minor	6	Minor	6	Electives as needed	12
BA Science Requirement	3			Electives as needed	3		
FR upper division hours	6						
Total	15	Total	15	Total	15	Total	15

Bachelor of Arts
Major in French (with All-Level Teacher Certification)
Minimum required: 132 semester hours

General Requirements:

1. Majors must complete 24 upper division hours in French and maintain a GPA of at least 2.50 in all upper division French course work to meet graduation requirements.
2. Majors must satisfy general education core curriculum, teacher certification, and BA requirements.
3. A minor must be completed.
4. Majors must complete LING 4307, CI 3325, 4332, 4343, 4370; RDG 3323; and EDST 4681 (student teaching). The education sequence course work must be completed before student teaching.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	HIST 1310	3	PHIL 1305 or 1320	3	POSI 2320	3
ENG 1310	3	ENG 1320	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	FR 2320	3
US 1100	1	MATH 1315 or higher	3	Minor	3	Natural Science Component	4
POSI 2310	3	Minor	3	FR 2310	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3
FR 1410	4	FR 1420	4	Natural Science Component	3	Social Science Component	3
PFW	1	PFW	1	HIST 1320	3	Total	16
Total	15	Total	17	Total	18		

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	CI 4332	3	LING 4307	3	EDST 4681	6
BA Science Requirement	3	CI 3325	3	CI 4370, 4343	6		
FR upper division hours	9	FR upper division hours	9	RDG 3323	3		
Minor	3	Minor	3	Minor	6		
Total	18	Total	18	Total	18	Total	6

Bachelor of Arts Major in German Minimum required: 120 semester hours							
General Requirements: 1. Majors must complete 24 upper division hours in German and maintain a GPA of at least 2.50 in all upper division German course work to meet graduation requirements. 2. An approved minor must be completed. 3. Majors must satisfy general education core curriculum and BA requirements.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	HIST 1310	3	PHIL 1305 or 1320	3	POSI 2320	3
ENG 1310	3	ENG 1320	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	GER 2320	3
US 1100	1	MATH 1315 or higher	3	GER 2310	3	Natural Science Component	4
POSI 2310	3	GER 1420	4	Natural Science Component	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3
GER 1410	4	PFW	1	HIST 1320	3	Social Science Component	3
PFW	1						
Total	15	Total	14	Total	15	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	GER upper division hours	9	GER upper division hours	6	GER upper division hours	3
Minor	3	Minor	6	Minor	6	Electives as needed	12
BA Science Requirement	3			Electives as needed	3		
GER upper division hours	6						
Total	15	Total	15	Total	15	Total	15

Bachelor of Arts
Major in German (with All-Level Teacher Certification)
Minimum required: 132 semester hours

General Requirements:

1. Majors must complete 24 upper division hours in German and maintain a GPA of at least 2.50 in all upper division German course work to meet graduation requirements.
2. An approved minor must be completed.
3. Majors must satisfy general education core curriculum, teacher certification, and BA requirements.
4. Majors must complete LING 4307, CI 3325, 4332, 4343, 4370; RDG 3323; and EDST 4681 (student teaching). The education sequence course work must be completed before student teaching.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	HIST 1310	3	PHIL 1305 or 1320	3	POSI 2320	3
ENG 1310	3	ENG 1320	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	GER 2320	3
US 1100	1	MATH 1315 or higher	3	Minor	3	Natural Science Component	4
POSI 2310	3	Minor	3	GER 2310	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3
GER 1410	4	GER 1420	4	Natural Science Component	3	Social Science Component	3
PFW	1	PFW	1	HIST 1320	3		
Total	15	Total	17	Total	18	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	CI 4332	3	LING 4307	3	EDST 4681	6
BA Science Requirement	3	CI 3325	3	CI 4370, 4343	6		
GER upper division hours	9	GER upper division hours	9	RDG 3323	3		
Minor	3	Minor	3	Minor	6		
Total	18	Total	18	Total	18	Total	6

**Bachelor of Arts
Major in Spanish**
Minimum required: 120 semester hours

General Requirements:

1. Majors must complete 24 upper division hours in Spanish and maintain a GPA of at least 2.50 in all upper division Spanish course work to meet graduation requirements.
2. Majors should complete SPAN 3308 (prerequisite to all other upper division courses); SPAN 3309 (prerequisite to all other upper division courses in literature); SPAN 4340; three courses from SPAN 3301, 3302, 3305, 3306, 3310, 3311, 3312, 3370, or 3371; and two courses from SPAN 4302, 4350, 4361, 4371, or 4380.
3. An approved minor must be completed.
4. Majors must satisfy general education core curriculum and BA requirements.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	HIST 1310	3	PHIL 1305 or 1320	3	POSI 2320	3
ENG 1310	3	ENG 1320	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	SPAN 2320	3
US 1100	1	MATH 1315 or higher	3	SPAN 2310	3	Natural Science Component	4
POSI 2310	3	SPAN 1420	3	Natural Science Component	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3
SPAN 1410	4	PFW	4	HIST 1320	3	Social Science Component	3
PFW	1		1				
Total	15	Total	14	Total	15	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	SPAN upper division hours	9	SPAN upper division hours	6	SPAN upper division hours	3
Minor	3	Minor	6	Minor	6	Electives as needed	12
BA Science Requirement	3			Electives as needed	3		
SPAN upper division hours	6						
Total	15	Total	15	Total	15	Total	15

Bachelor of Arts
Major in Spanish (with All-Level Teacher Certification)
Minimum required: 132 semester hours

General Requirements:

1. Majors must complete 24 upper division hours in Spanish and maintain a GPA of at least 2.50 in all upper division Spanish course work to meet graduation requirements.
2. Majors should complete SPAN 3308 (prerequisite to all other upper division courses); SPAN 3309 (prerequisite to all other upper division courses in literature); SPAN 4340; SPAN 3370 or 3371; two courses from SPAN 3301, 3302, 3305, 3306, 3310, and two courses from SPAN 4302, 4350, 4361, 4371, or 4380.
3. Majors must complete LING 4307, CI 3325, 4332, 4343, 4370; RDG 3323; and EDST 4681 (student teaching). The education sequence course work must be completed before student teaching.
4. Majors must select a minor from the approved list of minors.
5. Majors must satisfy general education core curriculum, teacher certification, and BA requirements

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
COMM 1310	3	HIST 1310	3	PHIL 1305 or 1320	3	POSI 2320	3
ENG 1310	3	ENG 1320	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	SPAN 2320	3
US 1100	1	MATH 1315 or higher	3	Minor	3	Natural Science Component	4
POSI 2310	3	Minor	3	SPAN 2310	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3
SPAN 1410	4	SPAN 1420	4	Natural Science Component	3	Social Science Component	3
PFW	1	PFW	1	HIST 1320	3		
Total	15	Total	17	Total	18	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	CI 4332	3	LING 4307	3	EDST 4681	6
BA Science Requirement	3	CI 3325	3	CI 4370, 4343	6		
SPAN upper division hours	9	SPAN upper division hours	9	RDG 3323	3		
Minor	3	Minor	3	Minor	6		
Total	18	Total	18	Total	18	Total	6

Minor in French

A minor in French requires 15 upper division hours in the language. The first two years of introductory and intermediate level course work (FR 1410, 1420, 2310, and 2310) serve as prerequisites to all upper division courses. Students may satisfy these prerequisites by passing a credit-bearing test (e.g. CLEP or departmental proficiency exam) or successfully completing the courses.

Minor in German

A minor in German requires 15 upper division hours in the language. The first two years of introductory and intermediate level course work (GER 1410, 1420, 2310, and 2310) serve as prerequisites to all upper division courses. Students may satisfy these prerequisites by passing a credit-bearing test (e.g. CLEP or departmental proficiency exam) or successfully completing the courses.

Minor in Japanese

A minor in Japanese requires 12 upper division hours in the language. The first two years of introductory and intermediate level course work (JAPA 1410, 1420, 2310, and 2310) serve as prerequisites to all upper division courses. Students may satisfy these prerequisites by passing a credit-bearing test (e.g. CLEP or departmental proficiency exam) or successfully completing the courses.

Minor in Spanish

A minor in Spanish requires 15 upper division hours in the language. The first two years of introductory and intermediate level course work (SPAN 1410, 1420, 2310, and 2310) serve as prerequisites to all upper division courses. Students may satisfy these prerequisites by passing a credit-bearing test (e.g. CLEP or departmental proficiency exam) or successfully completing the courses. SPAN 3308 is a prerequisite to all other upper division courses, and SPAN 3309 is a prerequisite to all other upper division literature courses.

Courses in American Sign Language (ASL)

Note: American Sign Language courses are taught by extension. For additional information please contact the Office of Correspondence and Extension Studies at 512.245.2322 or <http://www.studyanywhere.txstate.edu/>

- 1410 (SGNL 1411) Beginning American Sign Language I. (4-1) Introduction to understanding and using American Sign Language within the cultural framework of the deaf community.
- 1420 (SNGL 1412) Beginning American Sign Language II. (4-1) Continued practice in understanding and using American Sign Language within the cultural framework of the deaf community. Students who begin ASL 1420 toward general education requirements must also complete ASL 1420.
- 2310 (SGNL 2311) Intermediate American Sign Language I. (3-0) Continued development and review of American Sign Language within the cultural framework of the deaf community.
- 2320 (SNGL 2312) Intermediate American Sign Language II. (3-0) More advanced practice in American Sign Language within the cultural framework of the deaf community.

Courses in Arabic (ARAB)

- 1410 (ARAB 1411) Beginning Arabic I. (3-1) Introduction to listening, speaking, reading, and writing skills within an Arabic cultural framework. Students who begin ARAB 1410 toward general education requirements must also complete 1420. (MC)
- 1420 (ARAB 1412) Beginning Arabic II. (3-1) Continued practice in listening, speaking, reading, and writing skills within an Arabic cultural framework. (MC)
- 2310 (ARAB 2311) Intermediate Arabic I. (3-0) Continued development and review of all language skills within an Arabic cultural framework. (MC)
- 2320 (ARAB 2312) Intermediate Arabic II. (3-0) More advanced practice in all language skills with greater emphasis on reading within an Arabic cultural framework. (MC)
- 3301 Levantine Arabic. (3-0) An introduction to Arab dialects with a focus on Levantine Arabic (Jordan, Syria, Lebanon, and Palestinian territories). The course will emphasize oral communication and using the dialect correctly in its cultural context. It will also compare Levantine Arabic to Modern Standard Arabic. Repeatable once with different content.
- 3302 Media Arabic. (3-0) Introduction to Arab media designed to advance students' proficiency in Arabic. It will present cultural characteristics of Arab media and describe how those characteristics differ from those of US media. The course will increase students' vocabulary knowledge and enable them to understand various Arab media sources. Repeatable once with different content.

Courses in Chinese (CHI)

Note: Chinese courses are taught by extension. For additional information please contact the Office of Correspondence and Extension Studies at 512.245.2322 or <http://www.studyanywhere.txstate.edu/>

- 1410 Beginning Chinese I. (4-1) Introduction to listening, speaking, reading, and writing skills within a Chinese cultural framework. Students who begin Chinese 1410 toward degree requirements must also complete 1420.
- 1420 Beginning Chinese II. (4-1) Continued practice in listening, speaking, reading, and writing skills within a Chinese cultural framework.
- 2310 Intermediate Chinese I. (3-0) Continued development and review of all language skills within a Chinese cultural framework.
- 2320 Intermediate Chinese II. (3-0) More advanced practice in all language skills with greater emphasis on reading within a Chinese cultural framework.

Courses in French (FR)

- 1410 (FREN 1411) Beginning French I. (4-1) Introduction to listening, speaking, reading, and writing skills within a French cultural framework. Students who begin FR 1410 toward general education requirements must also complete 1420. (MC)
- 1420 (FREN 1412) Beginning French II. (4-1) Continued practice in listening, speaking, reading, and writing skills within a French cultural framework. (MC)

- 2310 (FREN 2311) Intermediate French I. (3-0) Continued development and review of all language skills within a French cultural framework. (MC)
- 2320 (FREN 2312) Intermediate French II. (3-0) More advanced practice in all language skills with greater emphasis on reading within a French cultural framework. (MC)
- 3305 Acting French. (3-0) An introduction to upper division courses in French designed to strengthen reading skills and oral command of the language through the study and performance of short French plays from the classical to the contemporary period. (MC)
- 3306 Masterpieces of French Literature. (3-0) Masterpieces of French literature in various genres from different periods with emphasis on the modern period. Repeatable for credit with different emphasis. (MC) (WI)
- 3310 French Pronunciation and Intonation. (3-0) Study and intensive practice of problems in French pronunciation and intonation. (MC)
- 3341 Advanced Grammar in French. (3-0) A study of more advanced grammatical, syntactical, and stylistic problems in mastering the French language with the aim of strengthening students' command of the structure of French and developing skills for more effective writing. (MC)
- 3381 Business French I. (3-0) A course designed for students interested in business related careers. The course will help students to become familiar with basic French business language and the specifics of Francophone business cultures. (MC)
- 3382 Business French II. (3-0) A case study-based course that uses a simulation approach to problem-solving in a French business environment. The course objective is the development of an understanding of French practices, and the way they differ from American ones, through the analysis of contextualized situations in marketing and management. Prerequisite: FR 3381 or consent of the instructor. (MC)
- 4304 Topics in French Literature and Culture. (3-0) Topics vary and include the study of specific literary or cinematic genres, periods, authors or film directors, and ethnic and women's contributions to literature or film in French. Repeatable for credit with different emphasis. (MC) (WI)
- 4341 French Composition and Stylistics. (3-0) Students will incorporate their more advanced grammatical and syntactical skills with the study of style in the writing of compositions in French. Writing exercises will explore a variety of expository techniques from description, narration, dialogue, portraits, to the writing of letters. (MC) (WI)
- 4370 French Civilization. (3-0) A survey of the cultural institutions of France designed to provide a background for a better understanding of the French people, encompassing the development of French culture and the forces that have shaped modern France. Recent essays, films, and comparative analyses of French-American relations will be presented. Repeatable for credit with different emphasis. (MC) (WI)
- 4390 Studies in French Culture, Language, or Literature. (3-0) A course designed to offer students an opportunity to pursue independent studies in special areas of interest beyond those of other catalog courses. The course is generally available only to graduating seniors who have completed at least two advanced courses or graduate students with special needs. Prerequisite: Approval by the Chair of the Department of

Modern Languages. Applications must be submitted prior to the registration period each semester. May be repeated once for additional credit. (MC)

Courses in German (GER)

- 1410 (GERM 1411) Beginning German I. (4-1) Introduction to listening, speaking, reading, and writing skills within a German cultural framework. Students who begin GER 1410 toward general education requirements must also complete 1420. (MC)
- 1420 (GERM 1412) Beginning German II. (4-1) Continued practice in listening, speaking, reading, and writing skills within a German cultural framework. (MC)
- 2310 (GERM 2311) Intermediate German I. (3-0) Continued development and review of all language skills within a German cultural framework. (MC)
- 2320 (GERM 2312) Intermediate German II. (3-0) More advanced practice in all language skills with greater emphasis on reading within a German cultural framework. (MC)
- 3304 Topics in German Literature and Culture. (3-0) Topics vary and include the study of specific literary or cinematic genres, periods, authors or film directors, and ethnic and women's contributions to literature or film in German.
- 3304A German Cinema. (3-0)
- 3304B German Colonialism, Orientalism, and Exoticism in Film and Literature. (3-0)
- 3305 German on the Stage. (3-0) An introduction to upper division courses in German designed to strengthen reading skills and oral command of the language through the study and performance of short German-language plays from the classical to the contemporary period.
- 3320 Improving German Communication Skills. (3-0) Extensive practice in speaking and writing German and in mastering advanced grammatical structures in speaking and writing. Prerequisite: GER 2320 or equivalent. (MC)
- 3370 German Civilization. (3-0) An examination of German culture and life designed to provide a background for a better understanding of Germany and the Germans, encompassing historical survey of the development of German culture, the forces that shaped modern Germany, and a survey of contemporary German life and culture. Collateral readings; oral and written reports in German. May be repeated once for additional credit. (MC) (WI)
- 3380 Business German in Global Economy. (3-0) An introduction to the individual economies of each German state, the language and standards of the German business world, the tourist industry of Germany, and Germany's role in the European Community. (MC)
- 4310 Masterpieces of German Literature. (3-0) An examination of major literary works representing the major genres and periods of German literature. The course may be repeated once with different content for additional credit. Prerequisite: completion of one 3000-level course or departmental approval. (MC)
- 4340 Advanced Conversation, Composition, and Stylistics. (3-0) A course designed to strengthen total command of the language. Collateral readings; oral and written reports in German. May be repeated once for additional credit. (MC) (WI)

- 4341 Advanced German Grammar. (3-0) Study of more advanced grammatical features of the German language essential for mastering the language and communicating effectively in it.
- 4390 Studies in German Culture, Language, or Literature. (3-0) A course designed to offer students an opportunity to pursue independent studies in special areas of interest beyond those of other catalog courses. The course is generally available only to graduating seniors who have completed at least two advanced courses or graduate students with special needs. Prerequisite: Approval by the Chair of the Department of Modern Languages. Applications must be submitted prior to the registration period each semester. May be repeated once for additional credit. (MC)

Courses in Italian (ITAL)

Note: Italian courses are taught by extension. For additional information please contact the Office of Correspondence and Extension Studies at 512.245.2322 or <http://www.studyanywhere.txstate.edu/>

- 1410 (ITAL 1411) Beginning Italian I. (3-1) Introduction to listening, speaking, reading, and writing skills within an Italian cultural framework. Students who begin Italian 1410 toward general educational requirements must also complete 1420. (MC)
- 1420 (ITAL 1412) Beginning Italian II. (3-1) Continued practice in listening, speaking, reading, and writing skills within an Italian cultural framework. (MC)
- 2310 (ITAL 2311) Intermediate Italian I. (3-0) Continued development and review of all language skills within an Italian cultural framework. (MC)
- 2320 (ITAL 2312) Intermediate Italian II. (3-0) More advanced practice in all language skills with greater emphasis on reading within an Italian cultural framework. (MC)
- 3308 Advanced Grammar and Composition. (3-0) This course is designed to improve writing skills in Italian through the reading and writing of Italian texts. Focus on writing skills and the reading of selected works from Italian literature. Repeatable once with different content.

Courses in Japanese (JAPA)

- 1410 (JAPA 1411) Beginning Japanese I. (4-1) Introduction to listening, speaking, reading, and writing skills within a Japanese cultural framework. Students who take JAPA 1410 toward general education requirements must also complete 1420. (MC)
- 1420 (JAPA 1412) Beginning Japanese II. (4-1) Continued practice in listening, speaking, reading, and writing skills within a Japanese cultural framework. (MC)
- 2310 (JAPA 2311) Intermediate Japanese I. (3-0) Continued development and review of all language skills in a Japanese cultural framework. Prerequisite: JAPA 1410 and 1420 or consent of instructor. (MC)
- 2320 (JAPA 2312) Intermediate Japanese II. (3-0) Advanced practice in all language skills in a Japanese cultural framework. Prerequisite: JAPA 2310 or consent of instructor. (MC)
- 3304 Advanced Conversation and Grammar. (3-0) A course designed to strengthen oral and written command of the language.

Collateral readings and reports in Japanese. May be repeated once with different emphasis for additional credit. (MC)

- 3307 Advanced Japanese Writing and Grammar. (3-0) A writing intensive course designed to strengthen students' knowledge of the structure of Japanese and written command of the language. May be repeated once with different emphasis for additional credit. (MC)
- 3308 Advanced Japanese for Business. (3-0) An advanced course designed to develop the skills needed to succeed in the complex business world of Japan. May be repeated once with different emphasis for additional credit. (MC)

Courses in Latin (LAT)

Note: Latin courses are taught by extension. For additional information please contact the Office of Correspondence and Extension Studies at 512.245.2322 or <http://www.studyanywhere.txstate.edu/>

- 1410 Beginning Latin I. (4-1) Introduction to reading and writing skills in Latin with a Latin cultural framework.
- 1420 Beginning Latin II. (3-1) Continued practice in reading and writing skills in Latin within a Latin cultural framework.
- 2310 Intermediate Latin. (3-0) Introduction to complex grammatical structures and syntax of Latin. Focus on the application of the rules of grammar and syntax to the translation of original classical texts. Some attention given to the diction and written styles of individual authors.
- 2320 Intermediate Latin. (3-0) Continued acquisition of complex grammatical structures and syntax. Introduction to reading Latin poetry. Some attention given to meter and scansion as needed.

Courses in Applied Linguistics and Language Learning (LING)

- 4307 Foreign Language Acquisition. (3-0) An introduction to the nature of language development and to the theories that describe foreign language acquisition and development.
- 4390 Independent Study in Applied Linguistics and Language Learning. (3-0) This course is generally open only to students with special needs. Students select a topic in line with their special interests and requirements. May be repeated once with different topic for additional credit.

Courses in Portuguese (POR)

Note: Portuguese courses are taught by extension. For additional information please contact the Office of Correspondence and Extension Studies at 512.245.2322 or <http://www.studyanywhere.txstate.edu/>

- 1410 (PORT 1411) Beginning Portuguese I. (3-1) Introduction to listening, speaking, reading, and writing skills within a Brazilian cultural framework. Students who begin Portuguese 1410 toward general educational requirements must also complete 1420. (MC)
- 1420 (PORT 1412) Beginning Portuguese II. (3-1) Continued practice in listening, speaking, reading, and writing skills within a Portuguese cultural framework. (MC)
- 2310 (PORT 2311) Intermediate Portuguese I. (3-0) Continued development and review of all language skills within a Portuguese cultural framework. (MC)

- 2320 (PORT 2312) Intermediate Portuguese II. (3-0) More advanced practice in all language skills with greater emphasis on reading with a Portuguese cultural framework. (MC)
- 3308 Advanced Composition and Conversation through the Brazilian Short Story. (3-0) This course will help students advance their knowledge of the Portuguese language through the reading, discussion, and analysis of modern and contemporary Brazilian short stories. By reading the works of renowned writers students will be able to expand their vocabulary and develop fluent reading and writing skills. (MC)

Courses in Spanish (SPAN)

- 1410 (SPAN 1411) Beginning Spanish I. (4-1) Introduction to listening, speaking, reading, and writing skills within a Spanish cultural framework. Students who begin SPAN 1410 toward general education requirements must also complete 1420. (MC)
- 1420 (SPAN 1412) Beginning Spanish II. (4-1) Continued practice in listening, speaking, reading, and writing skills within a Spanish cultural framework. Prerequisite: a grade of "C" or higher in SPAN 1410. (MC)
- 2310 (SPAN 2311) Intermediate Spanish I. (3-0) Continued development and review of all language skills within a Spanish framework. Prerequisite: a grade of "C" or higher in SPAN 1420. (MC)
- 2320 (SPAN 2312) Intermediate Spanish II. (3-0) More advanced practice in all language skills with greater emphasis on reading within a Spanish cultural framework. Prerequisite: a grade of "C" or higher in SPAN 2310. (MC)
- 3301 Survey of Spanish Literature. (3-0) Spanish literature from its beginnings through the 18th century. Prerequisite: a grade of "C" or higher in Spanish 3309. (MC) (WI)
- 3302 Survey of Spanish Literature. (3-0) Spanish literature from the Nineteenth Century to the present. Prerequisite: a grade of "C" or higher in Spanish 3309. (MC) (WI)
- 3305 Survey of Spanish-American Literature. (3-0) A study of Spanish-American literature from the colonial period to 1880 and its antecedents in Spain. Prerequisite: a grade of "C" or higher in Spanish 3309. (MC) (WI)
- 3306 Survey of Spanish-American Literature. (3-0) A study of Spanish-American literature from 1880 to the present and its antecedents in Spain. Prerequisite: a grade of "C" or higher in Spanish 3309. (MC) (WI)
- 3308 Advanced Composition. (3-0) A course designed to improve writing skills in Spanish through the reading of texts in Spanish. Prerequisite: a grade of "C" or higher in Spanish 2320. (MC) (WI)
- 3309 Introduction to Hispanic Literature and Literary Analysis. (3-0) Focus on writing skills, literary analysis, and the reading of selected works from Spanish, Latin American and Hispanic literature. Prerequisite: a grade of "C" or higher in Spanish 2320. Corequisite: SPAN 3308 or equivalent (MC)
- 3310 Spanish Phonetics and Phonemics. (3-0) Articulatory phonetics and sound discrimination and production; phonemic and allophonic variants; geographical and social distribution. Prerequisite: a grade of "C" or higher in Spanish 3308. (MC)
- 3311 Business Spanish I. (3-0) Business language and cultural basics and strengthening of oral and written Spanish. Prerequisites: SPAN: 3308. (MC)
- 3312 Business Spanish II. (3-0) Commercial Spanish terminology, strengthening written Spanish for correspondence and documentation, and oral Spanish for trans-cultural business situations. Prerequisites: SPAN: 3311. (MC)
- 3370 Spanish Civilization. (3-0) A survey of the civilization and cultures of Spain designed to provide a background for a better understanding of the Spanish people. Prerequisite: a grade of "C" or higher in Spanish 3308. (MC) (WI)
- 3371 Spanish-American Civilization. (3-0) A survey of the civilizations and cultures of Latin America and the Hispanic U.S. designed to provide a background for a better understanding of both groups. Prerequisite: a grade of "C" or higher in Spanish 3308. (MC) (WI)
- 4302 The Spanish Novel. (3-0) A study of the outstanding novels of Spain with emphasis on the 19th and 20th centuries. Prerequisite: a grade of "C" or higher in Spanish 3309. (MC) (WI)
- 4311 Historical Aspects of Hispanic Linguistics. (3-0) Course designed to develop knowledge and skills required for analysis and discussion of structural and external aspects of the history of the Spanish language with special focus on word formation and social aspects of language variation. The course provides an overview of morphology, sociolinguistics, and historical linguistics. Prerequisite: SPAN 3308.
- 4312 Spanish Sentence Structure and Meaning. (3-0) Course designed to develop knowledge and skills required for analysis and discussion of different fields of study that address structural and social aspects of the Spanish language. The course provides an overview of semantics, syntax, pragmatics, and language acquisition in Spanish. Prerequisite: SPAN 3308.
- 4330 The Spanish-American Novel. (3-0) The most representative novels in the literary history of Spanish-America. Prerequisite: a grade of "C" or higher in Spanish 3309. (MC) (WI)
- 4340 Advanced Spanish Grammar and Stylistics. (3-0) Major emphasis is placed on syntax, usage, and grammatical nomenclature. Prerequisite: a grade of "C" or higher in Spanish 3308. (MC) (WI)
- 4350 Latin American Novel and Film. (3-0) Comparative study of the relationship between literary texts and their cinematographic counterparts in Hispanic literature and their film adaptations. Prerequisite: a grade of "C" or higher in Spanish 3309. (MC)
- 4361 Masterpieces of Hispanic Poetry. (3-0) Selected studies in Spanish and Latin American poetry, with attention to critical analysis of texts. Prerequisite: a grade of "C" or higher in Spanish 3309. (MC) (WI)
- 4362 Masterpieces of Hispanic Drama. (3-0) Selected studies in Spanish and Latin American drama, with attention to critical analysis of texts. Prerequisite: a grade of "C" or higher in Spanish 3309. (MC) (WI)
- 4370 Hispanic Literature of the Southwest: Space and Images. (3-0) The study of the Hispanic literature of the Southwest in order to have a better understanding of the cultural diversity of the region. Prerequisite: a grade of "C" or higher in Spanish 3309. (MC)
- 4380 Special Topics in Hispanic Literature and Linguistics. (3-0) Topics vary and include the study of specific genres, periods, authors, ethnicities, and women's contributions to Hispanic literature and linguistics. Repeatable for credit with different emphasis. Prerequisite: SPAN 3308. (MC)

- 4380A Hispanic Nobel Prizes in Literature. The study of eleven Hispanic writers, all recipients of the Nobel Prize for Literature. (3-0) Prerequisite: a grade of "C" or higher in Spanish 3309. (WI)
- 4380B Don Quijote. (3-0) The study of Miguel de Cervantes' masterpiece, Don Quijote. Analysis of literary sources and novel's influence throughout the centuries. Prerequisite: a grade of "C" or higher in Spanish 3309.
- 4380C Hispanic Film. (3-0) A study of Hispanic cultural issues through film and selected readings. Prerequisite: a grade of "C" or higher in Spanish 3309.
- 4380D Gabriel Garcia Marquez. (3-0) A study of selected works of Nobel Prize author Gabriel Garcia Marquez, focusing on literature, history, politics, and popular culture of Latin America. Prerequisite: a grade of "C" or higher in Spanish 3309.
- 4380E Translation Practice and Theory. (3-0) An introduction to Spanish translation at the upper division. The object of the course is to improve reading comprehension – a fundamental skill for translators-, language proficiency, and cultural and historical knowledge of the target language. Prerequisite: a grade of "C" or higher in Spanish 3308.
- 4390 Studies in Spanish Culture, Language, or Literature. (3-0) The course is generally available only to graduating seniors who have completed several advanced courses or graduate students with special needs. Repeatable for credit with different emphasis. Prerequisite: a grade of "C" or higher in Spanish 3308, approval by the Chair of the Department of Modern Languages and the Spanish Division Head. Applications must be submitted prior to the registration period each semester. (MC)

Department of Philosophy

Psychology Building 110
T: 512.245.2285 F: 512.245.8335
www.txstate.edu/philosophy

DEGREE PROGRAM OFFERED

BA, major in Philosophy

MINORS OFFERED

Philosophy
Religious Studies
Value Studies

Philosophy raises some of the most fundamental questions about our world and ourselves-questions about the nature of reality, knowledge, morality, God, and society. Students of philosophy study the thinking of major philosophers on such matters and learn to think critically and clearly on their own.

Since philosophy is the home of the study of logic and the principles of good argumentation, it lends itself well to being joined with virtually any course of study. Some philosophy majors pursue careers in business, journalism, law, medicine, and education. In these cases students recognize that the successful practitioner is the good thinker and turn to philosophy to develop their critical and creative powers. Other majors develop an interest in becoming professional philosophers and enroll in some of the nation's best graduate programs in philosophy.

For those students with special interests in a particular area, the department offers the following recommendations:

Pre-Professional Study of Philosophy

Students interested in pursuing graduate work in philosophy are advised to take PHIL 3320, 3340, 4356, and 4370. They should also develop a language proficiency in French or German.

Pre-Law

All pre-law students should consider an undergraduate major in philosophy, given the importance that both philosophy and law attach to analysis, argumentation, and the evaluation of evidence. Pre-law students should also consider taking the following electives: PHIL 2330, 3320, 3322, 3323, 3331, and 3332.

Pre-Professional Study of Religion

A minor in religious studies is appropriate for various professional plans, including education, journalism, the arts, ministry, and graduate work in religious studies and other humanities and social sciences. Students interested in graduate work in religious studies should combine the minor with a major appropriate to their plans and interests.

Bachelor of Arts Major in Philosophy Minimum required: 120 semester hours							
General Requirements: 1. The major requires 30 hours, including PHIL 1305, 2311, 2312, and 2330 and 18 semester hours of advanced Philosophy electives. 2. Graduating seniors must submit a portfolio of their work and participate in an exit interview with the Philosophy faculty. Details about the portfolio are available in the Department's main office. 3. Majors must satisfy general education core curriculum and BA requirements. 4. Majors must complete an approved minor. 5. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the 120 and/or the 36 advanced and 9 hour writing intensive total hours required for graduation.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	HIST 1310	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	POSI 2320	3
US 1100	1	ENG 1320	3	MATH 1315 or above	3	PHIL 2312	3
POSI 2310	3	PHIL 2330	3	Modern Language 1410	4	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3
Natural Science Component	4	Natural Science Component	3	PHIL 2311	3	Modern Language 1420	4
PHIL 1305	3	COMM 1310	3	HIST 1320	3	Electives as needed	3
PFW	1	PFW	1				
Total	15	Total	16	Total	16	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
PHIL advanced electives	6	Social Science Component	3	PHIL advanced electives	6	PHIL advanced electives	3
ART, DAN, MU, or TH 2313	3	Modern Language 2320	3	Electives (as needed)	6	Minor	6
BA Science Requirement (in major)	0	PHIL advanced electives	3	Minor	3	Electives as needed	6
Minor	3	Minor	6				
Modern Language 2310	3						
Total	15	Total	15	Total	15	Total	15

Minor in Philosophy

A minor in Philosophy requires 18 hours, including PHIL 1305, and 15 hours of PHIL electives, of which 12 hours must be advanced.

Minor in Religious Studies

A minor in Religious Studies is an interdisciplinary minor that requires 18 hours, selected from ANTH 3305, 3322, 3326, 3332, 3349, 4320; ARTH 2301, 2302; ENG 3329; HIST 3312, 4320, 4325, 4350H; PHIL 3317, 3318, 3381, 4371, 4388; POSI 3306, 4313, 4328; and ALL REL courses. Students should check with each department for any prerequisites.

Minor in Value Studies

A minor in Value Studies requires 18 hours, including PHIL 1305, PHIL 4388 for the independent research project, and four of the following upper division courses: PHIL 3320, 3321, 3322, 3323, 3324, 3326, 3331, 3332, 3333, 4303, 4350, or 4351.

This minor allows a student with special interests in value theory to pursue a course of study, which culminates in an independent research project in value studies. This project may be a study of a theoretical issue in value studies or something of an applied nature; students may affiliate with people in various work environments or service learning settings to identify value conflicts and suggest resolutions.

Courses in Philosophy (PHIL)

- 1305 PHIL 1301) Philosophy and Critical Thinking. (3-0) A study of universal philosophical problems and their solutions with a view toward developing clear thinking about knowledge, belief, and value. Approximately one half of this course will focus on the student's critical thinking skills. Credit cannot be given for both PHIL 1305 and 3301. (WI)
- 1320 Ethics and Society. (3-0) Study of ethics, its recent focus on social problems, and new fields of inquiry, including environmental ethics, ethics in business, professions, technology and sport. Also such global issues as poverty, minority rights, and stem cell research. Emphasis on development and application of principles of critical thinking and moral reasoning.
- 1330 Critical Thinking. (3-0) Study of informal fallacies, valid argument forms, problem solving strategies, language clarification, and application of analytic skills.
- 2311 (PHIL 2316) History of Philosophy Before 1600. (3-0) Early Greek, Roman, and medieval systems of thought. (MC) (WI)
- 2312 (PHIL 2317) History of Philosophy Since 1600. (3-0) Modern philosophical thought through the 19th century. (MC) (WI)
- 2330 (PHIL 2303) Elementary Logic. (3-0) A study of the nature and forms of correct reasoning, both deductive and inductive.
- 3301 Philosophical Issues. (3-0) The great philosophical concepts that have challenged the best thoughts of people and have contributed to the fulfillment of the good life. Emphasis

- upon the applicability of those concepts to human life in our time and to the development of intellectual perspective. Approximately one half of this course will focus on the student's critical thinking skills. Credit cannot be given for both PHIL 3301 and 1305. (WI)
- 3314 American Philosophy. (3-0) Examination of contributions of Americans to perennial philosophical issues. (WI)
- 3315 Contemporary Philosophy. (3-0) Selected readings in late 19th and 20th century philosophy: existentialism, positivism, analytic philosophy, phenomenology, and pragmatism. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (WI)
- 3316 Existentialism and Phenomenology. (3-0) A study of the nature of human experience and existence in the philosophies of Kierkegaard, Nietzsche, Husserl, Heidegger, Sartre, Merleau-Ponty, and Camus. Topics will include freedom, dread, emotion, death, other minds, faith, and the past as experienced by the individual. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (WI)
- 3317 Science and Religion. (3-0) An examination of modern science and Western religion, and an analysis of the issues and ideas involved in the relationships between them. Prerequisites: 3 hours of lower division PHIL, PHIL 3301, or consent of the instructor. (WI)
- 3318 Reason, God and Nature. (3-0) An analysis of the concept of God, terms predicated on God, and theological propositions. An attempt to determine the nature of religious utterances in comparison with those of everyday life, scientific discovery, morality, and imaginative expression. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (Capstone) (WI)
- 3320 Ethics. (3-0) A study of classical and contemporary philosophical inquiries into our knowledge of the "good" and the grounds of moral obligation. May be repeated once for additional credit. (Capstone) Prerequisite: Three hours of lower division PHIL, PHIL 3301, or consent of the instructor. (WI)
- 3321 Contemporary Moral Problems. (3-0) Exploration of philosophical dimensions of contemporary moral problems such as abortion, euthanasia, poverty, animal rights, nuclear war, and privacy in a computer age. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. May be repeated once for additional credit. (WI)
- 3322 Professional Ethics. (3-0) Study of major topics in business and professional ethics, including what a profession is, whether it differs from business, and what is involved with the moral education, social responsibilities, and ethical standards of professionals and business people. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI)
- 3323 Environmental Ethics. (3-0) Study of ethical issues associated with the environment including nature, use, preservation, and restoration of the environment.
- 3324 Meaning of Life. (3-0) Investigation of major theories of the meaning of life in Western and Eastern philosophies. (WI)
- 3325 Philosophy of Sex and Love. (3-0) Critical survey of major thinking on sex and love from ancient to modern times. (WI)
- 3326 Philosophy and Sport. (3-0) Examines philosophical issues in sport, including the social significance of sport, ethical issues, gender equity, sport and race, mind and body in sport, aesthetics, sport and self-knowledge, and the connection of sport and philosophy. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (WI)
- 3331 Philosophy of Law. (3-0) The major theses which have been set forth in the history of jurisprudence including foundations of law, natural law, legal positivism, and the judicial process. (Capstone) (WI)
- 3332 Social and Political Philosophy. (3-0) Critical examination of major theories concerning the organization of societies and governments. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI)
- 3333 Feminist Theory. (3-0) This course will examine major feminist theories including liberal feminism, Marxist feminism, radical feminism, and post-modernist feminism with an eye especially to revealing the complexity and diversity of contemporary feminist thought. Prerequisite: Three hours of lower division philosophy, PHIL 3301, WS 3376 or 3377, or permission of the instructor. (MC) (WI)
- 3340 Symbolic Logic. (3-0) Study of the logic of propositions through prepositional calculi, formal proofs, and first-order functional calculi. Also included is an investigation into the axiomatic method as used in logic and mathematics, including the concepts of completeness and consistency. Prerequisite: PHIL 2330, or MATH 2372, or consent of instructor.
- 3351 Philosophy and Literature. (3-0) The course explores the relation between philosophy and literature. Prerequisite: Three hours lower division PHIL, PHIL 3301, or consent of instructor. (WI)
- 3381 The Philosophical and Spiritual Heritage of India. (3-0) Philosophy in India is essentially spiritual. Accordingly, sages of India, both ancient and modern, use reason and the examination of experience to make the insights of the spiritual tradition accessible. This course will explore Indian spiritual philosophy from the time of the ancient Vedas to the contributions of modern sages.
- 4301 Applied Philosophy. (3-0) Practical application of methods and teaching of philosophy to religion, science, morality, politics, art, or literature. The study of one or more of these areas will demonstrate how philosophy contributes to the identification of issues as well as their resolution. May be repeated for credit. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (Capstone) (WI)
- 4302 Dialogue. (3-0) Study of literature about the nature, purpose, and significance of dialogue along with active participation in the dialogues of the Department of Philosophy's Dialogue Series. Prerequisite: PHIL 1305 or permission of the instructor. (WI)
- 4303 Philosophy of Technology. (3-0) Study of philosophical and ethical dimensions of technology including the nature of technology and technological progress, the relation of humans to the technological environment, whether technology is value-laden, and the social character of technology. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (WI)
- 4350 Philosophy of the Arts. (3-0) A critical and historical analysis of the nature of aesthetic experience and creative genius.

- Prerequisite: three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI)
- 4351 Philosophy of Education. (3-0) Study of major philosophical theories on nature, values, and purpose of education. (WI)
- 4355 Philosophical Theory of Science. (3-0) Study of the major theories concerning the nature and value of science and the scientific method. Repeatable for credit with different emphasis. Prerequisite: 3 hours of lower division philosophy, PHIL 3301, or consent of instructor. (Capstone) (WI)
- 4356 Philosophical Theory of Knowledge. (3-0) A study of the major theories concerning knowledge, belief, certainty, and perception. Repeatable for credit with different emphasis. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (WI)
- 4370 Metaphysics. (3-0) Systematic study of metaphysical problems by examination of classical and modern texts. Topics considered will involve being and unity, mind and matter, God, causation and necessity, free will and determinism. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (WI)
- 4371 Asian Philosophy. (3-0) The course covers mainly Chinese and Indian philosophy, such as Confucianism, Taoism, Buddhism. How do people in the orient look at the meanings of life, the nature of the world and their place in the world? This course shall shed light on these issues. May be repeated for credit. (MC) (WI)
- 4372 Latin American Philosophy. (3-0) Study of ancient Latin American thought, including Mayan, Aztec, Toltec, and Incan, pre- and post conquest Latin American philosophy, contemporary Latin American philosophy, and the thinking of Latin Americans in the U.S. Prerequisite: PHIL 1305 or permission of the instructor. (WI)
- 4388 Problems in Philosophy. (3-0) Independent study of specific problems in philosophy. Open to students on an individual or small group basis by arrangement with the Department of Philosophy. Problem area, bibliography, and study paper outline are to be approved by the instructor. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. May be repeated once for additional credit.

Courses in Religion (REL)

- 1300 World Religions. (3-0) This course will be a survey and comparative study of the major religions of the world including Judaism, Christianity, Islam, Hinduism, Buddhism, Taoism, Confucianism, and the Indigenous Religions. Recommended as an entry course for religion minors.
- 2310 Introduction to the Hebrew Bible. (3-0) An introduction to the contemporary academic study of the Hebrew Bible ("Old Testament") and related Near Eastern and Second Temple Jewish literature. Representative texts will be examined using the historical and literary methods of scholarship.
- 2315 Introduction to the New Testament. (3-0) An introduction to the contemporary academic study of the New Testament, including apocryphal and post-canonical works. Representative texts will be examined using the historical and literary methods of scholarship.
- 2321 Founders, Prophets and Saints. (3-0) Critical analysis of the life, works, and thought of a major religious figure, e.g., Jesus, Paul, Luther, St. Teresa, Maimonides, the Baal Shem

- Tov, Mohammad, al-Ghazzali, Rumi, Buddha, Gandhi. May be repeated for credit. (WI)
- 3340 Religion, Literature, and the Arts. (3-0) The course features a thematic selection of literary and artistic works in order to examine the connections and disconnections between the aesthetic and religious aspects of human culture. May be taken twice for credit with different topics. (WI)
- 3342 The Homeric Epic: The Illiad and the Odyssey. (3-0) A close reading of the Illiad and the Odyssey in English translation, with emphasis on philosophical and religious issues. Prominent topics include the gods, religious rituals, heroic ethics, and the human condition. The course also considers the concept of a classic in religion and literature. (WI)
- 3360 Asian Religious Traditions. (3-0) A survey of the major religious traditions originating in Asia: Hinduism, Buddhism, Taoism, and Shinto. Basic doctrines and practices will be covered in an historical framework. Some attention will be given to related Asian movements, e.g. Jainism, Sikhism, and Confucianism. (WI)
- 3364 Abrahamic Religious Traditions. (3-0) A comparative study of Judaism, Christianity, and Islam. Basic doctrines and practices will be covered in an historical framework. Attention will be given to both majority and minority variants of each tradition. (WI)
- 3366 Topics in Western Religions. (3-0) A study of the history, doctrines, and rituals of one of the major Western traditions. Topics may also focus on a major movement or practice shared by more than one tradition. Examples of topics: Judaism; Christianity; Islam; Scripture and Monotheism; Greco-Roman Religions; Religions of Old Europe. Recommended prerequisite: REL 3365. (WI)
- 3370 Mythology and Culture. (3-0) A study of mythology as sacred narrative and its role in articulating a culture's beliefs and values. The course will focus on religious and philosophical themes, including comparison of mythical-traditional thought with modernity. May be taken twice for credit with different topics.
- 3372 Apocalypticism. (3-0) An historical-cultural survey of end-of-the-world literature, art, and thought in Western Civilization, from ancient Judaism and Christianity to the present. Historical and scientific methods provide the framework for this course. (WI)
- 3381 The Philosophical and Spiritual Heritage of India. (3-0) Philosophy in India is essentially spiritual. Accordingly, sages of India, both ancient and modern, use reason and the examination of experience to make the insights of the spiritual tradition accessible. This course will explore Indian spiritual philosophy from the time of the ancient Vedas to the contributions of modern sages.
- 4300 Methods in Religious Studies. (3-0) A survey of major methods and key theorists in the academic study of religion. The course is intended as a capstone for religion minors and as graduate school preparation for those planning further study. Pre-requisites: at least two academic courses in religious studies. (WI)
- 4388 Problems in Religion. (3-0) Independent study of specific topics in religion. Open to students on an individual or small group basis. May be repeated for credit with different emphasis.

Department of Political Science

Evans Liberal Arts Building 266
T: 512. 245.2143 F: 512. 245.7815
www.polisci.txstate.edu

DEGREE PROGRAMS OFFERED

BA, major in Political Science
BA, major in Political Science (with Teacher Certification-Social Studies Composite)
BPA, major in Public Administration

MINORS OFFERED

Political Science
Public Administration
Political Communication

Political science is the study of government-the most important decision-making part of society-and of the social, economic, and other institutions and practices that influence this decision-making process. On the one hand, it is a discipline that can trace its roots to the ancient Greek political community, the polis; but it is also a modern social science, which uses techniques such as content analysis, public opinion surveys, and statistical analysis to create and evaluate generalizations about how government and people behave.

As a liberal arts discipline, the department is dedicated to developing analytical skills and promoting critical thinking. Students are encouraged to reflect not simply on their career goals, but also on what type of persons they want to become, and on their rights and duties as citizens. The department offers students the opportunity to earn up to six credit hours in an internship program in which students gain practical experience by working for various federal, state, local or non-profit community agencies.

Political science prepares students for careers in various fields, not only in government, law, and education but also in business, journalism, urban planning, and many fields on which public policies have a significant effect.

Bachelor of Arts
Major in Political Science
Minimum required: 120 semester hours

General Requirements:

1. Majors must take a minimum of 30 hours in political science, including: POSI 3300 or 3301; one advanced course from four of the five groups: I. Political Theory and Methodology; II. American Government; III. Public Law and Public Administration; IV. Comparative Politics; V. International Relations; 6 hours advanced POSI electives, and POSI 4399 (or 4398). POSI 3300 or 3301 serve as corequisites for all advanced courses in political science.
2. The senior seminar courses (POSI 4398 or 4399) have a prerequisite of at least 21 hours of Political Science.
3. Majors are required to complete 6 additional hours of history in Western or World Civilization (HIST 2310 or 2311 and 2312 or 2320).
4. Majors are required to complete 6 hours of a Modern Language (2310, 2320). Most students will complete 1410 and 1420 as prerequisites before attempting 2310.
5. Majors must complete an additional science course known as the BA Science Requirement in addition to the core curriculum science requirement, a minor from the approved list of minors, and general education core curriculum and BA requirements.
6. Majors must complete at least 120 total hours of which 36 hours must be advanced (24 advanced completed at Texas State) and 9 hours must be writing intensive.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	HIST 1310	3	COMM1310	3	POSI Advanced Group Electives	3
US 1100	1	POSI 2320	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	Modern Language 2320	3
POSI 2310	3	Modern Language 1420	3	Modern Language 2310	3	Social Science Component	3
MATH 1315 or higher	3	PHIL 1305 or 1320	4	HIST 1320	3	Natural Science Component	3
Modern Language 1410	4		3	POSI 3300 or 3301	3	Minor	3
PFW	1			PFW	1		
Total	15	Total	16	Total	16	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	POSI Advanced Group electives	6	Minor	3	Electives as needed	3
Natural Science Component	4	BA Science Requirement	3	POSI Advanced Group Electives	6	POSI Advanced Group Electives	3
HIST 2310 or 2311	3	HIST 2312 or 2320	3	Minor	6	Minor	3
POSI Advanced Group Electives	3	Minor	3			POSI 4398 or 4399	3
ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, or 2360)	3						
Total	16	Total	15	Total	15	Total	12

Bachelor of Arts
Major in Political Science
(Social Studies Composite Teacher Certification: Geography Minor and History Third Field)
Minimum required: 133 semester hours

General Requirements:

1. This option is designed to prepare students for secondary teacher certification in any of the four social studies disciplines (History, Geography, Government, and Economics). Upon completion of the social studies curriculum and passage of the social studies TExES test, students will receive certification in social studies and eligibility to teach in any of the four disciplines.
2. Majors must select a minor in Geography or History.
3. Majors will complete specific courses in the third social studies discipline not chosen as a major or minor.
4. Students must take ECO 2301 or ECO 2314 as the social science component for the core curriculum, as Economics is another subject tested on the Social Studies Composite TExES exam.
5. Majors must satisfy general education core curriculum, teacher certification, and BA requirements.
6. The Social Studies Composite requires completion of the following:
Political Science major, Geography minor, History third field. Requires 30 hours, including POSI 3300 or 3301, 2310, and 2320; one advanced course from four of the five groups; POSI 4398; and six hours of POSI advanced electives. The certification minor in Geography (16 hours) requires the following: GEO 1309 or 1310, 2410, 3303, 3309 and 3329. The third field in History (15 hours) requires the following: HIST 1310, 1320, 2311, 2312, and 3 hours advanced Group C (U.S. History).
7. In addition to the major, minor, and third field requirements, students must also complete 21 hours of professional sequence courses under the College of Education: CI 4332, CI 3325, CI 4370, CI 4343, RDG 3323, and EDST 4681.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	COMM1310	3	POSI Advanced Group Electives	3
US 1100	1	HIST 1310	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	Modern Language 2320	3
POSI 2310	3	POSI 2320	3	Modern Language 2310	3	GEO 1309 or 1310	3
MATH 1315 or higher	3	Modern Language 1420	4	HIST 1320	3	Natural Science Component	3
Modern Language 1410	4	PHIL 1305 or 1320	3	POSI 3300 or 3301	3	HIST 2311	3
PFW	1			PFW	1		
Total	15	Total	16	Total	16	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	POSI Advanced Group electives	6	CI 4332	3	CI 4370, 4343 RDG 3323 (Block)	9
Natural Science Component	4	GEO 2410	4	GEO 3309	3	CI 3325	3
HIST 2312	3	HIST Advanced Group C	3	POSI Advanced Group	6	POSI 4398	3
POSI Advanced Group Electives	3	GEO 3303	3	GEO 3329	3		
ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, or 2360)	3			PFW	1		
Total	16	Total	16	Total	16	Total	15

Senior Year - 3rd Semester	
Course	Hr
EDST 4681	6
Total	6

Bachelor of Arts
Major in Political Science
(Social Studies Composite Teacher Certification: History Minor and Geography Third Field)
Minimum required: 133 semester hours

General Requirements:

1. This option is designed to prepare students for secondary teacher certification in any of the four social studies disciplines (History, Geography, Government, and Economics). Upon completion of the social studies curriculum and passage of the social studies TExES test, students will receive certification in social studies and eligibility to teach in any of the four disciplines.
2. Majors must select a minor in Geography or History.
3. Majors will complete specific courses in the third social studies discipline not chosen as a major or minor.
4. Students must take ECO 2301 or 2314 as the social science component for the core curriculum, as Economics is another subject tested on the Social Studies Composite TExES exam.
5. Majors must satisfy general education core curriculum, teacher certification, and BA requirements.
6. The Social Studies Composite requires completion of the following:
Political Science major, History minor, Geography third field. Requires 30 hours, including POSI 3300 or 3301, 2310, 2320; one advanced course from four of the five groups; POSI 4398; and six hours of POSI advanced electives. The minor in History for certification (21 hours) requires the following: HIST 1310, 1320, 2311, 2312 and 3 hours advanced Group A (World) and 3 hours advanced Group B (European) and 3 hours Group C (American). The third field in Geography (10 hours) requires the following: GEO 1309 or 1310, 2410, and 3303 or 3309.
7. In addition to the major, minor, and third field requirements, students must also complete 21 hours of professional sequence courses under the College of Education: CI 4332, CI 3325, CI 4370, CI 4343, RDG 3323, and EDST 4681.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	COMM1310	3	POSI Advanced Group Electives	3
US 1100	1	HIST 1310	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	Modern Language 2320	3
POSI 2310	3	POSI 2320	3	Modern Language 2310	3	GEO 1309 or 1310	3
MATH 1315 or higher	3	Modern Language 1420	4	HIST 1320	3	Natural Science Component	3
Modern Language 1410	4	PHIL 1305 or 1320	3	POSI 3300 or 3301	3	HIST 2311	3
PFW	1			PFW	1		
Total	15	Total	16	Total	16	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	POSI Advanced Group electives	6	CI 4332	3	CI 4370, 4343 RDG 3323 (Block)	9
Natural Science Component	4	GEO 2410	4	HIST Advanced Group B	3	CI 3325	3
HIST 2312	3	HIST Advanced Group A	3	POSI Advanced Group	6	POSI 4398	3
POSI Advanced Group Electives	3	GEO 3303 or 3309	3	HIST Advanced Group C	3		
ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, or 2360)	3			PFW	1		
Total	16	Total	16	Total	16	Total	15

Senior Year - 3rd Semester	
Course	Hr
EDST 4681	6
Total	6

Bachelor of Public Administration Major in Public Administration Minimum required: 120 semester hours							
General Requirements: 1. Major requires 33 semester hours in political science with a public administration focus. 2. Majors are strongly encouraged, but not required, to choose 12 hours of their free electives from the following career support areas: Local Government: POSI 3319; GEO 3310, 3320, or 3360; International: POSI 4345, 4356, or 4357; ECO 3317; Social Services: SOCI 3328; SOWK 2375, 4310, or 4355; Legal Services: POSI 3310, 3311, or 4304; CJ 2360; Health Services: HA 3308, 4307, or 4302; HIM 3380. 3. Enrollment in the required internship requires completion of 24 hours of Political Science and the following minimum GPA's: a Texas State GPA of 2.25 and a major GPA of 2.25. 4. There is no foreign language requirement for those who have completed two years of the same foreign language in high school. 5. Majors must satisfy general education core curriculum and additional BPA requirements.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	COMM1310	3	POSI 3316	3
US 1100	1	HIST 1310	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	ENG 3303 or 3304	3
POSI 2310	3	POSI 2320	3	Elective	3	Social Science Component	3
MATH 1315 or higher	3	Modern Language 1420	4	HIST 1320	3	Natural Science Component	3
Modern Language 1410	4	PHIL 1305 or 1320	3	POSI 3301	3		
PFW	1			PFW	1		
Total	15	Total	16	Total	16	Total	12

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	POSI 3328	3	Minor	6	GEO 3313 or 3340 or 4338	3
Natural Science Component	4	POSI 3377	3	POSI 3314 or 3319	3	Minor	6
HIST 2310 or 2311	3	SOCI 3353	3	POSI 3320, 4303, 4320, 4322, 4304, 4331, 4337A, 4337B, 4357, 4361, 4362 (select two courses)	6	POSI 4381	3
POSI 3318	3	HIST 2312 or 2320	3			Electives	3
Elective	3	Minor	3				
Total	16	Total	15	Total	15	Total	15

Minor in Political Science

A minor in Political Science requires 24 hours, including POSI 3300 or 3301, 2310 and 2320, at least one course from 4 of the 5 groups, and one POSI advanced elective course.

Minor in Public Administration

A minor in Public Administration requires 24 hours, including POSI 2310, 2320, 3316, and 3377. In addition, they must take 12 hours from the following courses: POSI 3310, 3311; 3314 or 3319; 3318, 3320, 3328, 4322, 4357, 4361, 4362, or 4381.

Minor in Political Communication

A minor in Political Communication requires 24 hours, including 12 hours of POSI and 12 hours of COMM. This minor is administered by the Department of Communication Studies; please refer to the Department section of this catalog for more information.

Recognition of Student Scholarship

The Annual Professor Henderson Award: The Department of Political Science annually presents the Professor Henderson Award to the graduating Political Science major with the highest overall GPA (the award may be for either a December or May graduate of the current academic year). The award has the purpose of recognizing and honoring a student of Political Science who has, as a

student at Texas State, displayed academic excellence and character in the tradition and values cherished and exhibited by Richard B. Henderson, Distinguished Professor Emeritus.

The Howard M. "Prof" Greene Award: This award honors an academic mentor in politics to Lyndon B. Johnson and thousands of other Texas State alumni and goes to one or more graduating Political Science majors who have earned overall Texas State grade-point averages of 3.9 or above.

Interested students who believe they may be eligible for these awards should consult with the Department Chair.

Lower-level Courses in Political Science (POSI)

2310 (GOVT 2301) Principles of American Government. (3-0) A survey of the principles of political science, of the American system of government, and of the origins and development of the constitutions of the United States and Texas. Satisfies the legislative requirements for teacher certification.

2320 (GOVT 2302) Functions of American Government. (3-0) A study of functions performed in the American system of government, both national and state, with special reference to Texas. Prerequisite: POSI 2310 or equivalent.

- 3300 Basic Political Ideas. (3-0) Introduction to the fundamental ideas of the Western political tradition including conservatism, liberalism, socialism, democracy, and totalitarianism. This course (or 3301) is required of all Political Science majors and minors, and it serves as a co-requisite for other advanced courses in Political Science.
- 3301 Basic Political Institutions. (3-0) The study of political institutions emphasizing the fundamentals of political science research and analysis, the tools used in bibliographical research, and methods of locating and presenting data for comparing political institutions. This course is required of all public administration majors and is a co-requisite for other advanced political science courses.

Group I-Political Theory and Methodology

- 3331 American Political Thought. (3-0) The development of American political ideas from the colonial period to the present. (WI)
- 3332 Ancient and Medieval Political Thought (Greeks to 1600). (3-0) A study of the masters of classical and medieval political theory from Plato to Machiavelli. (MC) (WI)
- 3333 Modern Political Theory (1600-1900). (3-0) The development of modern political ideas; the meaning and relationships of the significant ideologies of our time; democracy, capitalism, the welfare state, socialism, fascism, and totalitarian communism. (MC) (WI)
- 3334 Contemporary Political Theory. (3-0) A study of selected theories, ideologies, and movements in 20th century political theory. (WI)
- 3377 Analytical Techniques. (3-0) Examines basic scientific methods, including problem definition, hypothesis testing, explanation and prediction, and theory construction. Statistical analysis is applied to problems in political science. Prerequisites: MATH 1315 or higher with a grade of C or better, POSI 330 and 3316 with a grade of C or better.
- 4328 The Holocaust. (3-0) An undergraduate seminar on The Holocaust. Among the topics covered are: efforts to understand The Holocaust; the evolution of anti-Semitism in Germany; ordinary Germans and ordinary Poles and The Holocaust; and representing The Holocaust in fiction, film, and poetry. (may be used to satisfy group IV requirement.)(WI)
- 4335 Politics and Personality. (3-0) An introduction to the relationship between political behavior and human motivation. Topics include psychological perspectives and political theory; personality and political orientation; the political personality, and the politically relevant insights into these areas offered by fiction. (WI)

Group II-American Government

- 3305 The American Founding. (3-0) An examination of the origins, nature, and foundations of the American Constitutional system with special emphasis on the Federalist/Anti-federalist debates and the writing of the constitution.
- 3306 Religion and American Public Life. (3-0) An examination of the ways in which religious beliefs and groups have influenced the course of American democratic experience; and the on going debates in constitutional law and democratic theory regarding the proper role of religion in American public life. (WI)

- 3307 Parties and Party Politics. (3-0) The American political system, including its history and organization, suffrage, nominations and elections, campaigns, and the related areas of public opinion and pressure group activities. (WI)
- 3308 Congress and the Legislative Process. (3-0) The dynamics of lawmaking and legislative politics in the United States. The structure, party organization, rules of procedure, and actual operation of the Congress and of selected state legislatures (including Texas) are analyzed, compared, and evaluated. (WI)
- 3309 The American Presidency. (3-0) A comprehensive examination of both the presidency and the men who have held it. (WI)
- 3314 State and Local Government. (3-0) A study of the organization, functions, and powers of state, county, and municipal government in the United States with particular reference to patterns of such governments in Texas. (May be substituted for POSI 2310) (WI)
- 3319 Metropolitan Politics. (3-0) An examination of the political institutions and processes of urban and suburban America, including such topics as urban sprawl, reform movements, ethnic politics, and city-county consolidation. (MC) (WI)
- 3395 Ethnicity and Nation Building. (3-0) This course serves as an introduction to the politics of ethnic and gender issues and organizations and introduces the student to basic concepts involved in dealing with the diversity that is the American nation. (MC) (WI)
- 4301 Politics in Film. (3-0) This course will expose the students to films which explicitly address political issues such as racism in the United States, the conflict between public duty and private conscience, and politics and media manipulation, and the role of perception in all the actions people take. (WI)
- 4320 Issues and Interest Groups: Power and Pressure in America. (3-0) An examination of selected issues at the state and national level and the interest groups which attempt to influence governmental decisions about them. The goal of the course is to promote a better understanding of the process of government and an informed opinion on the question, "Is there a Public Interest?" Prerequisite: POSI 2310. (WI)
- 4330 Women in Politics. (3-0) A study of the role of women in political life. The course will examine women's influence on politics as well as how various public policies affect women. Topics may include feminism, electoral politics, political representation, and the internal politics of women's groups. (WI)
- 4331 Minority Politics. (3-0) This course examines and analyzes the political participation of American minorities (Blacks, Hispanics, women, and other minorities) in the American political system and the impact of various public policies on minority groups. The course will emphasize the following topics: electoral participation; public policy participation, representation and implementation; protest politics; and political behavior. Some reference will be to Texas and the Southwest. May be repeated once with different emphasis. (MC) (WI)
- 4336 Campaigns and Elections. (3-0) An examination of the dynamics of American political campaigns and elections, including an analysis of federal and state elections as well as voting behavior and party and interest group influence. (WI)
- 4337 Topics in American and State Politics. (3-0) This course will address specific issues, ideas, political cultures, and/or institutions that are prevalent in American and state politics.

- 4337A Texas Politics. (3-0) This course focuses on the history, culture, institutions, issues, and policies of the Texas political systems. (WI)
- 4337B The Politics of the American Working Class. (3-0) This course engages students in an intensely focused examination of the social, cultural, and political reasons why Americans vote at a lower rate than do citizens of most other Industrial Democracies. We will examine policy consequences of this phenomenon and consider whether or not policy change is warranted. (WI)
- 4337C Media and Public Opinion. (3-0) This class will cover how the media influences public opinion and voting behavior. Specific topics include media functions in campaigns and elections, media bias, new media, and media effects on political attitudes and behaviors. This course uses lectures, discussions, with active participation, and group projects. (WI)
- 4345 American Foreign Policy. (3-0) This course focuses on how foreign policy is made. The major institutions involved in the decision-making process as well as the ideological setting in which they function are examined. Topics studied include the foreign policy roles of Congress, Interest Groups, the State Department and the Secretary of State, the Military Establishment, the Intelligence Community, the Presidency, and Public Opinion. Specific foreign policy decisions will be examined to illustrate the various roles of these institutions in the decision-making process. (May be used to satisfy Group V requirement) (WI)
- 4362 Government and American Business. (3-0) An overview of the relationship of American business to public policy as a whole. Focus is on several factors affecting the relationship between the public and private sectors including political ideology and culture, pluralism, political party development, political business cycles, monetary policy, and the domestic economy and political accountability. May be repeated once with different emphasis.

Group III-Public Law and Public Administration

- 3310 Constitutional Law: Basic Structures and Principles. (3-0) A case study approach to an analysis of fundamental principles of governmental structure with an emphasis on the office and powers of the President and inter-governmental relationships in the main body (Articles I through VII) of the U.S. Constitution.
- 3311 Constitutional Law: Individual Liberties. (3-0) An examination of that area of Constitutional interpretation commonly known as Civil Liberties or the relations between the individual and the government. (May be used to satisfy Group II requirements)
- 3316 Introduction to Public Administration. (3-0) The organization and management of the machinery for executing public policies, with particular emphasis upon the Federal bureaucracy. (WI)
- 3318 Public Personnel Administration. (3-0) A study of public personnel systems in the United States with major concentrations on the national civil service system. Special emphasis is given to current research in the areas of leadership, informal organization, motivation, and small group theory. (WI)
- 3320 Comparative Public Administration. (3-0) A survey of the field of Public Administration that will emphasize those aspects of

administration that are common to all administrative systems. (May be used to satisfy Group IV requirements.) (WI)

- 3328 Public Finance Administration. (3-0) Focuses on planning, organization, and implementation of budgeting including fund accounting, auditing, and debt management in the public sector. Prerequisites: MATH 1315 or higher with a grade of C or better, POSI 3301 and 3316 with a grade of C or better. (WI)
- 4302 Legal Theories and Research. (3-0) This course examines the American Legal System at both the state and federal levels involving civil and criminal procedure. Emphasis is on the process of these systems and the framework within which disputes are resolved. Students will become familiar with legal research methods to better understand the composition of legal options.
- 4303 Civil Law in American Society. (3-0) This course considers the structure and functions of government together with the law regulating private social relations, i.e., contract law, property law, tort law, and the causal relations between legal policies and societal goals and regulations.
- 4304 Issues in Law and Public Policy. (3-0) This course examines contemporary legal issues by focusing on their relationship to public policy. Selected topics will vary, i.e., AIDS, abortion, affirmative action/reverse discrimination, capital punishment, environmental protection, euthanasia, and surrogate motherhood. In connection with these controversial issues we will address: (1) alternative views; (2) social consequences; and (3) political responses to and legal issues resulting from alternative positions.
- 4311 The Supreme Court and the Judicial Process. (3-0) An intensive examination of the judiciary, focusing upon the politics of judicial selection and the decision-making process of the judiciary as well as the position of the judiciary in the entire political process. (WI)
- 4322 Public Policy Formulation. (3-0) Intensive analysis of theories and processes of both policy formation and policy enforcement in the American administrative system, emphasizing the regulatory function. Prerequisite: POSI 2310 and 3301. (WI)
- 4361 Administrative Law. (3-0) Course stresses the legal principles and practical doctrines involved in the work of administrative tribunals vested with quasi-legislative or quasi-judicial powers or both. Primary focus on development, practice, and procedures of federal administrative agencies. (WI)

Group IV-Comparative Government

- 4313 Islamic Law and Politics. (3-0) This course is a study of the law, origins, development, divisions, and politics of Islam. Special emphasis will be given to law, political thought, history, and the culture of the Middle East. Topics covered include Muslim law and political institutions; the Arab and Persian roles in Islam; the Islamic Community as a political system; major points of the Islamic faith and their political significance and the political and historical significance of Muslim mysticism. (This course may be used to satisfy Group I requirements.) (MC) (WI)
- 4314 Revolution and Nationalism. (3-0) This course examines the phenomena of modern revolution and nationalism focusing on different countries in various geographical areas such as the

- Middle East, Latin America, and others. This course is repeatable for credit twice with different emphasis. (MC) (WI)
- 4327 Theories of International Politics. (3-0) This course focuses on theories and concepts in the study of international relations. Major theoretical works and illustrative case studies will be critically examined. Prerequisite: POSI 3322. (WI)
- 4338 Government and Politics of Latin America. (3.0) A comparative analysis of political systems in Latin America, examining the impact of sociocultural and economic factors on political attitudes and behaviors. Special emphasis on Mexico, Cuba, and Brazil. (MC) (WI)
- 4339 Canadian Government and Politics. (3-0) An introduction to Canadian government and politics. The class will include the historical, ethical, constitutional, and political culture background to and the political issues dominant in contemporary Canadian government and politics.
- 4340 Government and Politics of Europe. (3-0) An in-depth analysis of the political systems of the states of Europe and the emerging European Union, with special emphasis on Great Britain, France, Italy, and Germany. (MC) (WI)
- 4341 Government and Politics of Russia. (3-0) A comprehensive study of the domestic and foreign policy of the former Soviet Union, examined both historically and analytically. (MC) (WI)
- 4349 Special Topics in Comparative Politics. (3-0) Topics in Comparative Politics will address political concepts in specific countries or areas of the world in a comparative context. The course will examine how political ideas and culture, governmental institutions, political parties, interest groups, and external influences affect the area studies. (MC)
- 4349A Spanish Democracy in Comparative Context (3-0) An examination of the Politics of Democratic Consolidation in Southern Europe using Spanish Political Institutions and Behavior as a case study. (WI)
- 4349C Liberty and Property: A Comparison of Australia and the United States (3-0) This course studies the history and politics of property rights in Australia and the United States. It will be taught simultaneously with a course offered at Macquarie University in Sydney, Australia. Students in both universities will read the same material and engage in discussion with Australian faculty and students via the Internet. (WI)
- 4349D Organization of American States. (3-0) This course will introduce students to the major issues in the study of the OAS, with emphasis on the evolving relationships to member-states. We will focus on the functions and limitations of the OAS, understanding social, political, and economic variables on the relations of member-states, and developing familiarity with parliamentary procedure. (WI)
- 4349E Politics of Mexico. (3-0) This course will introduce students to modern Mexican politics. We will explore the historical, economic, and social factors that have influenced the politics of Mexico, beginning with the revolution and continuing to the present. We will assess the strength of Mexico's political institutions, its party system, and its ability to maintain democracy. (WI)
- 4349F Politics of Democratization in Developing Countries. (3-0) A critical examination of the third wave of democratization in the developing world and the multiple challenges faced these neodemocracies. (WI)
- 4350 Government and Politics of Asia. (3-0) A critical analysis of political development in the nations of Far East and South Asia, concentrating on China, Japan, and India. (MC) (WI)
- 4351 African Politics. (3-0) A comprehensive examination of politics in Africa. (MC) (WI)
- 4354 The Politics of Extremism. (3-0) This course is an undergraduate seminar on international terrorism and extremist politics in America. (MC) (WI)

Group V-International Relations

- 3322 Introduction to International Studies. (3-0) This "core seminar" identifies critical interdisciplinary questions that will be examined in all courses in the International Studies Program. Required of all majors and minors in International Studies. (WI)
- 4315 The Arab-Israeli Conflict. (3-0) Origins and development of the Arab-Israeli conflict: Jewish and Palestinian nationalism; regional, international and religious dimensions; and the changing social and political character of Israel and the Palestinian community. (WI)
- 4326 Issues in World Politics. (3-0) This course is designed to acquaint the student with major issues in world politics and major concepts in international relations and comparative politics. (MC) (WI)
- 4327 Theories of International Politics. (3-0) This course focuses on theories and concepts in the study of international relations. Major theoretical works and illustrative case studies will be critically examined. (MC) (WI)
- 4356 International Law. (3-0) Examines the nature, sources, and development of international law as both a legal and political process. The law of treaties, acquisition of personality, territorial jurisdiction, the law of the sea, land and air, diplomatic immunities, nationality, state responsibility, human rights, and the law of war will be emphasized. Students will research contemporary international problems and participate in a Moot International Court of Justice (ICJ) proceeding. (May be used to satisfy Group III requirements.) (MC) (WI)
- 4357 International Organization. (3-0) This course will examine the historical roots of international organizations, the development of the League of Nations, and the evolution of the United Nations System. The nature, process, and function of contemporary international organization will be analyzed. The role of non-governmental organizations, transnational organizations, and multi-national corporations will be assessed. The course will include a mix of lecture, discussion, and model sessions. (MC) (WI)
- 4358 United States-Latin American Relations. (3-0) Examines policies, problems, and attitudes, together with detailed analysis of U.S. relations with selected countries. (MC) (WI)
- 4359 Politics of International Economic Relations. (3-0) This course examines the institutional structure of interstate economic relations, trade and monetary regimes, foreign investment, foreign aid, and development policies of governments. Prerequisite: POSI 3322. (MC) (WI)
- 4367 International Conflict and Security. (3-0) Examines historical and spatial patterns of conflict (including war, terrorism, and economic coercion) from Realist, Idealist, and Marxian schools of thought. The course will also examine strategies for

conflict prevention and resolution such as deterrence, arms control, collective security, and "building democracy." (MC)

General Upper-Level Courses

The following courses may be used to satisfy a requirement in any of the preceding groups, if specified on the degree outline.

- 4379 Independent Study. (3-0) Independent reading and/or research on various problem areas of political science. Instructor will approve specific problem area, bibliography, and study paper outline. May be repeated once with different subject matter and instructor. No more than six semester hours credit in meeting degree requirements. (WI)
- 4380 Internship in Government. (3-0) The student will participate in the ongoing work of a selected governmental unit. A research paper dealing with the internship experience written under the direction of a faculty member will be required. This course may be repeated one time for additional internship credit.
- 4381 Internship in Public Administration. (0-20) Students in the Bachelor of Public Administration (BPA) degree program will participate in the ongoing work of a public or non-profit agency. A research paper dealing with the internship experience written under the direction of a faculty member will be required. May be repeated once.
- 4397 Research in Public Administration. (3-0) This course is designed to assure familiarity with the basic concepts and approaches used in the study of public administration. Students will learn to identify, locate, and employ resources to assist in understanding public administration at all governmental levels. Course may be taken as a substitute for POSI 4381.
- 4398 Practicum in Political Science: Concepts, Resources, and Applications in the Study of Politics. (3-0) This course is designed to assure familiarity with the basic concepts and approaches used in the study of politics. Students will learn to identify, locate, and employ resources to assist in understanding politics at local, state, national, and international levels. Model Congress or U.N., visits to local government offices and councils, moot court, critiques of political propaganda films, and simulations in international relations are some of the applied methods of studying politics that students will learn. This course is required of all B.A. students seeking a teaching certificate in Political Science; it may be taken as a substitute for 4399 for Political Science non teacher certification majors. (WI)
- 4399 Senior Seminar in Political Science. (3-0) Seminar devoted to intensive reading, research, writing, and discussion focusing on different sub-fields in the discipline taught by appropriate faculty. Students in consultation with faculty in their area of interest should select a particular sub-field seminar in accordance with their needs and professional objectives. Required of all majors and must be taken in the student's junior or senior year. Other interested students may take the course with the consent of the chair and instructor. May be repeated with different instructor and approval of chair. Prerequisites for the Senior Seminar are all of the core courses in Political Science or approval of the Department Chair. (WI)

- 4680 Internship in Government. (6-0) The student will participate full time (40 hours per week) in the ongoing work of selected governmental units. A research paper dealing with the internship experience written under direction of a faculty member will be required.

Department of Psychology

Psychology Building 208C
T: 512. 245.2526 F: 512. 245.3153
www.psych.txstate.edu

DEGREE PROGRAMS OFFERED

BA, major in Psychology
BS, major in Psychology

MINORS OFFERED

Psychology
Forensic Psychology
Sports Psychology

Psychology is the science that studies the behavior of individual people, animals, and organizations. To psychologists, behavior means not only actions, but also thoughts and feelings. Beyond its introductory course, the department offers courses in individual differences, biological, social, and learned bases of behavior, as well as statistics and methodology. Psychology majors take courses in these areas and in methodology. Later they may participate in advanced theory, individual research, and internship classes to prepare for graduate programs in psychology.

Employment as a psychologist in clinical or industrial psychology requires a graduate degree beyond the bachelor's level. Many psychology majors, however, plan to enter jobs in business, government, health, and education immediately, with a BA or BS in Psychology. For more information planning courses for a suitable program, the "Guide for Psychology Majors" is available in the department office or at <http://www.psych.txstate.edu>.

Admission Process and Continuation in the Psychology Major Coursework

Students who meet university admissions requirements (intended majors) enter Psychology as pre-majors. However, admission to the major itself and to the PSY 3301 and 3302 courses in Group 0 require:

Completion of PSY 1300 and MATH 1315 (or their equivalents) with a grade of "C" (2.0) or higher in each course.

A grade of "C" in PSY 3301 is a prerequisite for PSY 3302; a grade of "C" in PSY 3302 is a prerequisite for PSY 3341 and PSY 4342. A grade of "C" in PSY 3302 and 24 psychology hours are prerequisites for PSY 4391. With this sequencing and set of prerequisites, a grade of "C" in PSY 1300, 3301, and 3302 is necessary for graduation.

**Bachelor of Arts
Major in Psychology
Minimum required: 120 semester hours**

General Requirements:

1. PSY 1300, 3300, 3301, and 3302 are the foundation for all serious study of psychology; much material covered in later courses depends on a thorough knowledge of topics in these four. These courses are recommended before students take PSY 3341 and all 4000-level courses. PSY 1300 is a prerequisite for all other PSY courses.
2. All majors are required to take at least one course from each of Groups 1-4 and to take PSY 4391.
3. Majors are required to have a minor. See the Degrees and Programs section of this catalog for a list of approved Texas State minors.
4. Majors are required to complete their BA Science requirement by taking one additional science and/or mathematics course, to be selected from the following disciplines: ANTH 2414 or 2415, any advanced Physical Anthropology or Archaeology course, biology (above 1421), chemistry, physics (including astronomy), mathematics (1317 and above), computer science (1319 and above), geology, PHIL 2330 (only), or GEO 1305 or GEO 2410 (only).
5. At least 36 advanced hours (3000- and 4000-level) must be taken. Of these, at least 24 advanced hours must be in psychology. Sufficient courses from the minor and other electives must be selected to ensure a total of 36 hours of advanced course work.
6. Majors are required to complete their Social and Behavioral Science perspective requirement by taking one of the following courses: ANTH 1312, SOCI 1310, ECO 2301, ECO 2314, or GEO 1310.
7. Psychology Majors are required to complete their Natural Science perspective requirement by taking two courses in biology (BIO 1320 and 1421, or BIO 1430 and 1431 for biology minors).

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	BIO 1320	3	BIO 1421	4
US 1100	1	POSI 2310	3	Mod. Lang. 2310	3	Mod. Lang. 2320	3
PSY 1300	3	HIST 1310	3	PSY 3300	3	PSY 3301	3
MATH 1315	3	Mod. Lang. 1420	4	HIST 1320	3	ENG Lit.	3
Mod. Lang. 1410	4	COMM 1310	3	POSI 2320	3	PHIL 1305 or 1320	3
PFW	1						
Total	15	Total	16	Total	15	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
PSY 3302	3	Eng Lit	3	PSY Group 2	3	PSY elective	3
PSY Group 1	3	PSY Group 3	3	PSY Group 4	3	PSY 4391	3
BA Science requirement	3	ART, MU, TH, DAN 2313	3	PSY ADV elective	3	PSY ADV elective	3
Soc and Beh Sci Req.	3	Minor	6	Minor	6	Minor or electives	3
Minor	3			PFW	1		
Total	15	Total	15	Total	16	Total	12

Bachelor of Science
Major in Psychology (with Science Minor)
Minimum required: 120 semester hours

General Requirements:

1. PSY 1300, 3300, 3301, and 3302 are the foundation for all serious study of psychology; material covered in later courses depends on a thorough knowledge of topics in these four. These courses are recommended before students take PSY 3341 and all 4000-level courses. PSY 1300 is a prerequisite for all other psychology courses.
2. All majors are required to take at least one course from each of Groups 1-4 and to take PSY 4391.
3. A science minor must be selected from the Departments of Anthropology (courses to be taken from Physical, Forensic, or Archaeology), Biology, Chemistry and Biochemistry, Computer Science, Geography, Mathematics, or Physics.
4. At least 36 advanced hours (3000- and 4000-level) must be taken. Of these, at least 24 advanced hours must be in psychology; sufficient courses from the minor and other electives must be selected to ensure a total of 36 hours of advanced coursework.
5. Majors are required to complete their Social and Behavioral Science perspective requirement by taking one of the following courses: ANTH 1312, SOCI 1310, ECO 2301, ECO 2314, or GEO 1310.
6. Majors are required to complete their Natural Science perspective requirement by taking two courses in biology (BIO 1320 and 1421, or BIO 1430 and 1431 for biology minors).

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG 1310	3	ENG 1320	3	BIO 1320 (or 1430 BIO minor)	4	BIO 1421 (or 1431 BIO minor)	4
US 1100	1	POSI 2310	3	PSY 3300	3	PSY 3301	3
PSY 1300	3	HIST 1310	3	HIST 1320	3	ENG Lit. or ENG 3303	3
MATH 1315	3	Mod. Lang. 1420	4	POSI 2320	3	ART, MU, TH, DAN 2313	3
Mod. Lang. 1410	4	COMM 1310	3	PHIL 1305 or 1320	3	Minor	3
PFW	1						
Total	15	Total	16	Total	16	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
PSY 3302	3	Eng Lit or ENG 3303	3	PSY Group 2	3	PSY ADV elective	3
PSY Group 1	3	PSY Group 3	3	PSY Group 4	6	PSY 4391	3
Social and Beh Sci Req	3	PSY elective	3	Minor	6	Minor or electives	6
Minor	6	Minor	6	PFW	1		
Total	15	Total	15	Total	16	Total	12

Minor in Psychology

A minor in Psychology requires 18 hours, including PSY 1300, and 15 hours selected from any PSY courses, of which at least 12 hours must be advanced (3000- or 4000-level).

Minor in Forensic Psychology

Forensic is defined as “evidence” or “relating to, used in, or appropriate for courts of law.” This minor looks at forensic issues from both psychological and criminal justice perspectives. The minor is suitable for criminal justice majors or any individual wishing to pursue a background in psychology and criminal justice. The minor also would be good preparation for those individuals wishing to pursue pre-law or social work and for individuals considering graduate coursework in forensic psychology.

A minor in Forensic Psychology requires 21 hours, including the following: CJ 1310, 2360, 3329; PSY 3315 or 3316; PSY 3331 and 3335; one course selected from ANTH 3381, CJ 4340, SOCI 3343, or an elective approved by the Department.

Psychology majors pursuing the forensic psychology minor cannot double count courses toward their major and the minor. Enrollment in the required PSY courses assumes that non-psychology majors will have completed PSY 1300 as part of their social science core curriculum component. If not, PSY 1300 is a prerequisite for PSY 3315, 3316, 3331, and 3335. The prerequisite requirements for CJ 3329 and 4340 will be waived only for students pursuing this minor. This is justified by the fact that students will be exploring many of the issues covered in those requisite courses in the psychology coursework portion of the minor.

Minor in Sports Psychology

Sports Psychology examines the relationships between psychological concepts, theories and an individual's thoughts toward health and exercise. Current theoretical perspectives of personality factors in exercise, why people exercise, exercise adherence, mental skills and the psychological effects of exercise will be investigated. The minor will focus on topics such as methods of training and coaching, teamwork and leadership, motivation and stress, and social issues in sport. Students will study the relationships between brain biology

and behavior. Students will learn to apply psychological theories and perspectives toward understanding thoughts about exercise, an individual's willingness to exercise, choice of exercise, and to assess the relationships between physical health and mental health.

A minor in Sports Psychology requires 21 hours, including the following: PSY 3331 and 4390L; PSY 3350 or 3361; PSY 3321 or 4322; PE 3317 and 3329; one course selected from PHIL 3325, SOCI 3340, or an elective approved by the Department.

Psychology majors pursuing the sports psychology minor cannot double count courses toward their both major and the minor. Enrollment in the required PSY courses assumes that non-psychology majors will have completed PSY 1300 as part of their social science core curriculum component. If not, PSY 1300 is a prerequisite for PSY 3321, 3331, 3350, 3361, 4322, and 4390L.

Courses in Psychology (PSY)

Group 0: Foundations of Psychology

1300 (PSYC 2301) Introduction to Psychology. (3-0) A survey of the major principles derived from research on human and animal behavior. Topics studied include learning, thinking, motivation, emotion, personality, the senses, perception, and the form and functions of the nervous system. PSY 1300 is a prerequisite for all other psychology courses.

3300 Lifespan Development. (3-0) Survey of the psychology of human development from the pre-natal period through adulthood. Emphasis placed on cognitive, motivational, and physiological processes of development in childhood and adolescence. Prerequisite: PSY 1300.

3301 Introduction to Statistics. (2-2) The application of elementary descriptive statistics, statistical inference, and correlation and regression of behavioral science data, with an emphasis on the relationship of theory and methods in the research setting. Prerequisite: Psychology major standing or permission of the Department Chair.

3302 Experimental and Research Methods. (2-2) Introduction to laboratory equipment and procedures, with basic instruction in experimental design, data collection and treatment, and technical report writing. Several psychological experiments and research reports will be required of each student. Prerequisite: PSY 3301 and Psychology major standing or permission of the Department Chair. (WI)

4391 History and Theory. (3-0) Study of the evolution of psychology as a science through a systematic review of the principal scientific and philosophic antecedents of modern psychology, and analysis of the status of the major contemporary theoretical schools. Prerequisite: PSY 3302 or consent of instructor. (WI)

Group 1: Individual Differences in Behavior.

3315 Abnormal Psychology. (3-0) An introduction to the study of abnormality: (1) issues in defining and evaluating it, (2) examples, (3) theories and research attempting to categorize, describe, and explain it, and (4) approaches used to prevent or change it when it is deemed a problem by the individual and/or society.

3316 Personality Psychology. (3-0) A comprehensive introduction to research, theory, and application in the field of personality. Individual differences and situation influences are examined concerning authoritarianism, achievement motivation, anxiety, intelligence, self-concept, interpersonal attraction, aggression, sexuality, and altruism. An integrative model is suggested for describing and predicting human behavior.

Group 2 Biological Bases in Behavior

3321 Sensation and Perception. (3-0) An introduction to the processes of perception. Topics will include perceptual measurement, the physiological bases of perception, basic visual processes, and basic haptic, olfactory, and gustatory processes.

4322 Brain and Behavior. (3-0) Research findings and theoretical concepts concerned with the physiological, anatomical, and pharmacological bases of behavior. Topics include sensory systems, the physiological mechanisms of motivation, and the physiological correlates of associate processes such as learning. Prerequisite: PSY 3302 or consent of instructor.

Group 3: Social Bases for Behavior

3331 Social Psychology. (3-0) The study of how people influence each other. The course covers such topics as conformity, inter-personal attraction, prejudice, and aggression.

3333 Industrial Psychology. (3-0) The study of applying psychological knowledge and techniques to the modern industrial environment. Topics studied include employee needs, attitudes, selection, testing, boredom, motivation, anxiety, and job satisfaction.

Group 4: Learned Bases of Behavior

3341 Cognitive Processes. (3-0) The acquisition and use of knowledge, contemporary research on perception, pattern recognition, memory, thinking, problem solving, and language comprehension will be considered. Prerequisite: PSY 3302 or consent of instructor. (WI)

4342 Learning and Memory. (3-0) A study of memory and learning in humans and animals. Attention is given to comparative cognition, cognitive and neuropsychological aspects of memory, and memory deficits. Prerequisite: PSY 3302 or consent of instructor. (WI)

Ungrouped Courses

2311 (PSYC 2306) Psychology of Human Sexuality. (3-0) A psychological and physiological examination of the human sexual experience from conception through old age. Current research findings serve as a basis for study. Major consideration is given to the human sexual system, the sexual act, sexual attitudes and behavior, and sexual complications.

3312 Adolescent Psychology. (3-0) A developmental psychology course designed to examine the complex characteristics of human cognitive and emotional life during the period of adolescence. Emphasis is directed toward the basis of behavior, interpersonal relationships, development, growth, and motivation. Prerequisite: PSY 3300.

3313 Psychology of Adulthood and Aging. (3-0) The development of individuals in the post-adolescent period, particularly

- after middle age. Topics studied include social, psychological, and physiological changes and problems associated with the aging process.
- 3314 **Psychology of Consciousness.** (3-0) An introduction to theory, research, and experiential applications in the study of consciousness; topics studied include the findings and implications of post-Einsteinian science relevant to the study of consciousness. (WI)
- 3323 **Evolution and Behavior.** (3-0) The course provides a contemporary understanding of human behaviors, emotions, and cognitions through an examination of Darwin's theories of natural selection, sexual selection, and mental evolution. Relevant interdisciplinary perspectives from philosophy, history, anthropology, archaeology, biology, ethology, and genetics are incorporated. Prerequisites: PSY 1300, PSY 3300.
- 3325 **Psychology of Persuasion.** (3-0) This course uses a socio-psychological perspective to understand the dynamics of persuasion and propaganda. It applies selected theories and research on social influence, persuasion, and attitude change to such areas as political and educational campaigns, product advertising, mass media and public opinion. Prerequisite: PSY 1300 (PSY 3302 recommended).
- 3332 **Psychology of Women.** (3-0) The special problems and demands made on the woman within modern western culture. Topics studied include status, roles, values, opportunities, expectations, stress, and self-realization of the modern woman. (MC) (WI)
- 3334 **Psychology of Human Diversity.** (3-0) Explanations about how the environment, genetics and culture shape human differences, and how these differences are linked to world progress and understanding are addressed. (MC)
- 3335 **Forensic Psychology.** (3-0) Examines the relationships between psychology and the processes of the American courtroom. Sample issues to be addressed include; (a) What psychological theories are used to explain jury decision-making? (b) How accurate is the memory of eyewitnesses? (c) How do characteristics of defendants influence juries?
- 3336 **Sports Psychology.** (3-0) This course examines the relationships, psychological concepts, and individual's thoughts regarding sports, health and exercise. Sample topics include (1) current theoretical perspectives of personality factors at sports and exercise, (2) why people engage in sports, (3) exercise adherence, (4) mental skills, and (5) the psychological effects of sports and exercise.
- 3337 **Psychology of Prejudice, Discrimination, and Hate.** (3-0) This course will explore psychological theories and factors that underlie prejudice, discrimination, and hate. Although the course will focus primarily on these issues as they have developed and influence realities in the United States, global issues will also be explored.
- 3350 **Behavior Modification.** (3-0) The course provides theory, research, and application of psychological principles that affect humans in education, business, and personal life. Emphasis is placed on effective use of reinforcement, classroom management, self-control, relaxation, and assertiveness. (WI)
- 3352 **Group Processes.** (3-0) A study of how the individual relates to his group membership. Students will analyze the development and functioning of their own groups, with attention to such issues as problems faced by group members in the early phases of a group's existence, leadership roles, group pressure, and trust. Prerequisite: Consent of instructor. (WI)
- 3353 **Computer Applications in the Social and Behavioral Sciences and Education.** (3-0) The principles of data analysis and interpretation using SPSS. Topics studied include data entry and management, statistical concepts, hypothesis testing and the proper interpretation of SPSS output. Prerequisite: PSY 3301 and 3302.
- 3361 **Health Psychology.** (3-0) Surveys contemporary theory and research on body/mind interaction in physical and mental health. Emphasis on personality, psychosocial, and stress factors in physical health. Other topics include the effects of physical health on psychological well being, pain management, longevity and aging, and coping with illness and dying. (WI)
- 4318 **Psychological Measurement.** (3-0) Study of principles, concepts, and methods involved in tests and inventories currently used in the assessment of intelligence, aptitudes, interests, and personality, with emphasis on the proper administration, scoring, and evaluation of psychological instruments. Prerequisites: PSY 3301; 3302 or consent of instructor.
- 4350 **Reality Therapy/Choice Theory.** (3-0) This course focuses on Glasser's concepts of Choice Theory and Reality Therapy. This course explores how the "total behaviors" and choices we make impact our lives, the kinds of relationships we want to have with others, health and quality of the life.
- 4352 **Introduction to Clinical Psychology.** (3-0) Overview of clinical psychology. Emphasis on current theories and methods of individual psychotherapy. Class discussions of readings, films, audiotapes, and live examples illustrating approaches. Experiential learning via class exercises in pairs and small groups and by role-playing both therapist and client in a series of helping sessions. Practical focus on developing relationship skills and job skills. Prerequisites: PSY 3315, 3302 and consent of instructor. (Apply in advance.) (WI)
- 4390 **Special Topics in Psychology.** (3-0) Tutorial sessions focusing in depth on a selected topic of great interest in psychology. Topics must be within the scope of 3000 or 4000 level psychology courses presently in the catalog. Open to junior and senior students by invitation of instructor and consent of the chair. Repeatable for credit with different emphasis.
- 4390B **Emotion and Human Behavior.** (3-0) This course will provide an advanced understanding of the multifaceted phenomenon of emotion and its effect on human behavior. Students will be introduced to the philosophical and theoretical underpinnings of emotion, the various individual emotions (e.g. fear, anger, happiness) and will learn how emotion can affect physical and psychological health.
- 4390C **Interpersonal Relationships.** (3-0) This course will provide students with an overview of theory and research in the area of interpersonal relationships. The goals of relationships as well as the different forms that relationships may take will be discussed. A major emphasis will be placed on applying ideas from class to students' everyday lives.
- 4390F **Psychology of Persuasion.** (3-0) The course uses a social psychological perspective to understand the dynamics of persuasion and propaganda. It applies selected theories and research on social influence, persuasion and attitude change to an understanding of such areas as political and

educational campaigns, product advertising and impact of media on public opinion.

- 4390M Psychology and Opera. (3-0) This course will explore the ways in which psychology and opera may, together, enrich our understanding of the human condition and will deal with the scientific attempts to establish causes of human behavior. This course will show the relationship of the intellectual enterprise-psychology-with a great art form-opera.
- 4390N Psychopharmacology. (3-0) This course reviews psychopharmacology topics including: neuronal and chemical mechanisms underlying drug action; environmental factors modulating the impact of drugs on emotion, cognition, perception and behavior; the processes underlying drug dependency, tolerance, and withdrawal; and the implications for drug abuse treatment and prevention strategies, especially concerning adolescents.
- 4393 International Psychology. (3-0) The course focuses on the history, status, and future directions of scientific and professional psychology throughout the world. It requires reading about, discussing, and writing about the relatively new specialty area of international psychology. The objective is to deepen students' knowledge of psychology's relevance to the solution of global problems. (WI)
- 4395 Individual Study. (3-0) Students design and execute original research, or engage in extensive fieldwork, in the field of psychology under the supervision of a faculty member. All students planning to attend Graduate School are advised to enroll in the course. May be repeated once for additional credit. Prerequisites: PSY 3302 and consent of instructor. (WI)
- 4396 Internship in Psychology. (0-10) Extensive field work in a professional setting related to psychology. May be repeated once for additional credit. Prerequisites: 12 hours of PSY and consent of instructor.

Department of Sociology

Derrick Hall 105

T: 512. 245.2113 F: 512. 245.8362

www.soci.txstate.edu

DEGREE PROGRAMS OFFERED

BA, major in Sociology

BS, major in Applied Sociology

MINORS OFFERED

Aging and the Life Course

Sociology

Studies in Popular Culture

Sociology contributes both to the classic liberal arts tradition and to the practical application of the liberal arts to the world of work. The Department of Sociology provides academic advising and encourages all students considering a major in sociology to take advantage of these services. Suggested degree plans, while helpful in planning an academic schedule, should not be used in lieu of academic advising.

Sociology majors may choose the Bachelor of Arts, major in Sociology, which prepares them for professional or graduate study in the liberal arts tradition, or the Bachelor of Science, major in Applied Sociology, which provides practical research skills for students who wish to attend graduate school or to enter the work force upon graduation. The BA in sociology is a 33-hour degree for students interested in entering the professions. As such, it is a pre-professional degree that includes courses designed to prepare students for professional or graduate study. The BS is a 36-hour major designed for students who intend to apply sociological principles and practices in governmental and business settings. Students who are interested in collecting, analyzing, interpreting, and presenting data on a variety of social phenomena may select the BA or the BS.

Majors in both degree programs learn to conduct social research, to work with computers, and to enhance the practical skills of writing and analysis. Graduates enter a variety of fields, including law, management, education, the ministry, public administration, and human resource management in business, government and industrial settings.

Bachelor of Arts
Major in Sociology
Minimum required: 120 semester hours

General Requirements:

1. Majors are required to complete SOCI 1310 or 3300, 3307, 4306, 4308, and 4309.
2. The remaining 18 hours of coursework may be selected from any SOCI courses. Majors are encouraged to consult with the undergraduate academic advisor for elective course selection.
3. Sociology majors must select a minor from the list of approved minors in this catalog.
4. Nine hours of writing intensive courses (not including ENG 1310 or 1320) are required for graduation.
5. The natural science component (7-8 hours) must include at least one semester of laboratory science.
6. The social science component may not include SOCI 1310 or 3300.
7. The minimum number of hours required for a degree is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the 120 and/or the 36 advanced and/or the 9 hours writing intensive required for graduation.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
SOCI 1310	3	HIST 1310	3	SOCI 3307	3	POSI 2320	3
ENG 1310	3	ENG 1320	3	Social Science Component	3	HIST 1320	3
US 1100	1	COMM 1310	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	ART, DAN, MU, or TH 2313	3
POSI 2310	3	MATH 1315 or higher	3	Modern Language 1410	4	Modern Language 1420	4
PHIL 1305 or 1320	3	Natural Science Component	4	Natural Science Component	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3
PFW	1						
Total	14	Total	16	Total	16	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
SOCI, advanced electives	6	SOCI 4306	3	SOCI 4308	3	SOCI 4309	3
Modern Language 2310	3	PFW	1	SOCI advanced electives	6	SOCI advanced elective	3
BA Science Requirement	3	Modern Language 2320	3	Minor	3	Minor	6
Minor	3	SOCI advanced elective	3	Electives (as needed)	3		
		Minor	6				
Total	15	Total	16	Total	15	Total	12

Bachelor of Science*
Major in Applied Sociology
Minimum required: 120 semester hours

General Requirements:

1. Majors are required to complete SOCI 1310 or 3300, 3307, 3318, 4306, 4308, 4309, and 4690. The remaining 12 hours coursework should be related to their occupational goals or free SOCI advanced electives. Courses should be chosen with the advice of the undergraduate academic advisor.
2. The following specialization tracks are optional. The tracks are intended as guidelines to help meet occupational goals. It is not necessary to select a specialization track: Business and Society: SOCI 3319, 3320, 3324, 3327, 3328, 3344, 3353, and 3363; Deviance and Social Control: SOCI 2320, 3321, 3325, 3327, 3343, 3344, 3347, 3348, 3349, and 3363; Sociological Practice: SOCI 2320, 3319, 3320, 3321, 3324, 3337, 3347, 3348, 3363, 3383, and 3384; Gerontology: SOCI 3319, 3337, 3338, 3363, 3383, and 3384; Applied Research: SOCI 3320, 3328, 3353, 3350, and 3363.
3. In the senior year, majors must complete a field internship (SOCI 4690) related to their applied sociological training and minor concentration. Enrollment in the internship requires completion of all other course work in the major and a Texas State GPA of 2.00, a major GPA of 2.25 and a minor GPA of 2.00.
4. The Social Science component may not include SOCI 1310 or 3300.
5. In addition to general education requirements and requirements for the BS degree, students must complete two semesters of coursework in the same foreign language (1410, 1420), and must complete one additional English sophomore literature course or Technical or Professional Writing (ENG 3303 or 3304).
6. The minimum number of hours required for a degree is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the 120 and/or the 36 advanced total hours required for a degree.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
SOCI 1310	3	HIST 1310	3	SOCI 3307	3	POSI 2320	3
ENG 1310	3	COMM 1310	3	ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3	PHIL 1305 or 1320	3
US 1100	1	MATH 1315 or higher	3	ART, DAN, MU, or TH 2313	3	SOCI 3318	3
POSI 2310	3	ENG 1320	3	HIST 1320	3	SOCI, advanced elective	3
Natural Science Component	4	Natural Science Component	3			ENG Literature (ENG 2310, 2320, 2330, 2340, 2359, 2360)	3
PFW	1	PFW	1				
Total	15	Total	16	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
SOCI 4306	3	SOCI 4308	3	SOCI 4309	3	SOCI 4690 (taken last semester)	6
SOCI, advanced elective	3	SOCI, advanced electives	6	Electives as needed	5		
Minor	3	Minor	6	Minor	9		
Electives as needed	9	Electives as needed	3				
Total	18	Total	18	Total	17	Total	6

*Pending approval of the Texas Higher Education Coordinating Board

Minor in Aging and the Life Course

Students who want a minor that may lead to a career studying gerontology or working with people in their various life stages, including their final stage, should select Aging and the Life Course as a minor.

A minor in Aging and the Life Course requires 18 semester hours including 9 hours from the following core courses: SOCI 3329, 3383, SOWK 4320, PSY 3313.

The remaining nine hours shall be selected from the following courses: SOCI 3327, 3329, 3337, 3338, 3358, 3383, 3384, 3395; SOWK 4320, PSY 3330, 3313, 3361; REC 1320.

Minor in Sociology

A minor in Sociology consists of a minimum of 18 semester hours, including SOCI 1310 (or 3300). Twelve of the remaining 15 SOCI hours must be completed at the advanced (3000-4000) level.

Minor in Studies in Popular Culture

The Studies in Popular Culture minor is designed to acquaint students with trends in American popular culture. Techniques of research, social meanings and consequences of popular culture are the major foci of the minor.

Courses for the Studies in Popular Culture minor were selected because they deal with significant aspects of everyday life ranging from mass media through the history of cultural trends and phenomenon. The courses selected deal with subjects that both are influenced by and influence popular culture.

SOCI 3317-Popular Culture and Society is the only required course for this minor. The remaining 15 hours of advanced level courses are to be selected from the following: ANTH 3309; ENG 3309, 3326, 3329, 3331; HIST 3343, 4376, 4361; MC 3355, 4308, 4382I; POSI 4301; SOCI 3324, 3333, 3340, 3366; ARTH 4301; COMM 4307, 4321, 4322.

Courses in Sociology (SOCI)

SOCI 1310 or 3300 is a prerequisite to all other sociology courses except SOCI 3300, 3327, 3333, and 3350.

1310 (SOCI 1301) Introduction to Sociology. (3-0) A survey of the basic concepts in sociology including social organization, culture, socialization, groups, and human population leading to the development of a sociological perspective of human behavior. SOCI 1310 and 3300 may not both be counted for credit.

2320 (SOCI 1306) Social Problems. (3-0) This course examines community problems, significant social issues, and disorganization in major social institutions in contemporary American society.

3300 Principles of Sociology. (3-0) Survey of the discipline of sociology, including socialization, social institutions, collective behavior, urban and community studies, demography, race relations, culture, and personality. Emphasis on basic concepts and the behavioral science approach to the study of human groups. SOCI 1310 and 3300 may not both be counted for credit. (WI)

3307 Statistics for the Behavioral Sciences. (3-0) The application of descriptive and inferential statistics of behavioral science data.

3317 Popular Culture and Society. (3-0) The content of popular culture, including movies, television, genre novels, popular music, fads and fashion, sports, contemporary folklore, festivals and celebrations, clothing and body decoration, and related cultural material, is examined and analyzed for social significance.

3318 Applied Data Analysis. (3-0) This course introduces the student to some of the uses of various existing statistical software packages including proper application, limitations, and interpretations of results. Prerequisites: Three hours of statistics.

3319 Social Psychology. (3-0) The basic course in social psychology; the nature of the individual in society; the process of socialization; the human personality; personality and social adjustment; and social interaction.

3320 Population Dynamics. (3-0) A study of the composition of the world's population, focusing on growth, problems, politics, and controls. (MC)

3321 Suicide, Society, and Human Experience. (3-0) This course will offer a systematic approach to understanding the human encounter with suicide. Issues of theoretical concern are addressed. The course draws upon current and classic sociological research.

3324 Social Stratification. (3-0) The study of inequality as it relates to occupational, educational, religious, political, and other social activities.

3325 Social Deviance. (3-0) Theoretical and descriptive analysis of the major types of deviant behavior.

3327 Multicultural Relations. (3-0) The nature and the problems inherent in racial and other minority groups, with special reference to the American scene. (MC/P)

3328 Complex Organizations. (3-0) The study and analysis of complex organizations, bureaucracies, and professions and their influence on individuals and society and its institutions.

3329 Life Course Sociology. (3-0) This course examines major sociological approaches to the study of the human life course. Theoretical approaches reviewed include age stratification, the life course perspective, and constructivist and critical approaches to the life course.

3333 The Sociology of Popular Music. (3-0) This course explores the dynamic and interactive relationships between music, culture, and society. Popular American music - from blues, gospel, ragtime, jazz, country, and swing to rock, disco, punk, alternative, and rap - will be analyzed as reflections of culture, as society's "voice," and as a powerful instrument of socialization and social change.

3337 The Family. (3-0) A comparative study of the family in various cultures, both historical and contemporary, with attention to the family in terms of social organization, social change, and social disorganization.

3338 Family Problems. (3-0) This course applies sociological knowledge to common problems encountered in families: spouse and child abuse, elder abuse, catastrophic illness, suicide, unemployment, poverty, teen pregnancy, aging and gender issues. Worldwide traditions and norms affecting the institution of the family are also reviewed. (MC)

3340 Sociology of Sport and Leisure. (3-0) The theories and research in leisure and popular culture will serve as the broad

- framework. An emphasis will be placed on the sub-area of sport sociology, including such topics as sport and aggression, competition, children, women, minorities, professionalism, and others.
- 3343 Criminology. (3-0) The various theories of crime, the cause of crime, areas of crime, treatment of criminals through the courts, punishment, reform, education, probation, and parole, and means of crime prevention.
- 3344 The Sociology of Law. (3-0) This course introduces students to the function of law in human societies. Theories relevant to the study of law as a mechanism of social control and social change will be discussed. Law as a social institution, the training of lawyer, and their socialization into the role of lawyer will be examined.
- 3347 Juvenile Delinquency. (3-0) Delinquency in modern society, basic factors and conditions of juvenile delinquency, and the problem of delinquency control.
- 3348 Social Control. (3-0) An examination of the creation and maintenance of order in society, including socialization and institutions which respond to disorder. Included areas are education, religion, law, welfare, and medicine. Focus on law as both a mechanism of control and the basis for control in other institutions in industrial society.
- 3349 Drugs and Society. (3-0) A sociological examination of the social context of drug abuse with emphasis on the social factors, processes, and institutions that impact drug abuse. Applications of sociological theories and research methods will be studied.
- 3350 Men, Women, and Societies. (3-0) This course examines the relations between male and female roles throughout the world, including the United States, Europe, and third world countries. Special attention is given to changes in these roles and the consequences of such changes for societies, including familial, marital, and sexual relationships. (MC)
- 3353 Urban Society. (3-0) A study of urbanization as a social phenomenon with attention to traditional sociological studies of the community.
- 3358 Work and Society. (3-0) This course will explore sociological studies of work and occupations, including the structure of work, economic changes, and concerns of workers such as earnings, promotions, and unemployment. It is divided into three main topics: the social organization of work, current work trends, and inequalities at work. Prerequisite: SOCI 13310.
- 3363 Medical Sociology: The Sociology of Health and Illness Behavior. (3-0) An examination of the social determinants and consequences of human health, morbidity, and mortality, including considerations of health institutions, organizations, professionals, and clients. Social epidemiology of human diseases and mortality and changing relationships of acute and chronic diseases are stressed. (WI)
- 3365 Society and Environment. (3-0) This course addresses issues emerging from the reciprocal relationship between society and its environment. The impacts of social and economic organization, social class, and government policies on the physical and social milieu will be examined in order to produce a better understanding of social and environmental interactions.
- 3366 Folkways and Folklore: An Introduction. (3-0) A study of the folkways of the cultures of Texas through selected examples of traditional beliefs, customs, folktales, songs, arts, games, artifacts, and techniques for the collection and preservation of folk materials. (MC) (WI)
- 3370 Industrial Sociology. (3-0) The social setting and formal organization of work; individual and group adaptation in industrial organization.
- 3375 Special Topics in Sociology. (3-0) Sociological analysis and interpretation of selected topics of special interest in the areas of social organization, social disorganization, and social interaction. Topics treated and instructors will vary from semester to semester. Repeatable for credit with different emphasis. (MC)
- 3375H The Sociology of Technology. (3-0) This course examines societal transformations resulting from adopting modern technologies and their logic. Technologies will include, but are not limited to, the clock, gun, and auto.
- 3375I Food and Society. (3-0) This course examines how food relates to larger social institutions and will discuss several social issues including the social construction of food; food production and its implications for health, the economy, and the environment; and food's association with race-ethnicity, social class, and gender.
- 3383 Aging and Society. (3-0) A study focusing on the processes of aging primarily in American society and including attention to the special problems related to the middle and later stages of the life cycle.
- 3384 The Sociology of Death and Dying. (3-0) A study of the sociological and social psychological perspectives on death and dying in contemporary societies with particular emphasis on the meanings of death, on dying as a social process, and on death in the context of both social organization and the life cycle.
- 3390 Technology and Society. (3-0) The subject of this course is the relationship between technologies and social institutions. Topics covered may include but are not limited to theories of sociotechnical change, diffusion, social constructivism, modernity and rationalism, and case studies of transformative technologies such as the clock, the car, and the birth control pill.
- 3395 Sociology of Sexuality. (3-0) Sexuality is explored from a social constructionist perspective, in contrast to essentialist and biological determinist perspectives dominating the Western understanding of sexual roles and behavior. Sexual identity, desire, behavior, response, and health are viewed as socially constructed, largely in response to concerns about societal order.
- 4306 Sociological Theory. (3-0) This course will examine classical sociological theories and the contemporary theories that follow from them. The major approaches covered are functionalism, conflict theory, symbolic interaction, and phenomenology. Prerequisites: 1310, twelve hours of Sociology, and departmental approval. (WI)
- 4308 Quantitative Research Methods. (3-0) Basic issues in social research are introduced, while emphasizing design and analysis of quantitative research studies. Research exercises culminate in a major research paper analyzing secondary data from The General Social Survey. Critique of published research articles is also required. Prerequisites: SOCI 3307, 4306, and departmental approval. SOCI 3318 recommended. (WI)

- 4309 Qualitative Research Methods. (3-0) This course examines issues in the sociological research process with an emphasis on qualitative methods. Students will design, propose, and submit a qualitative study based on an extensive review of the sociological literature. Prerequisites: SOCI 1310, 4306, twelve hours of Sociology, and departmental permission. (WI)
- 4332 The Sociology of Education. (3-0) An examination of education as a formal institution and as a social system. Emphasis is placed upon the nature and functions of education organization in modern societies.
- 4360 Directed Study. (3-0) (By arrangement) A course of independent study open to superior students by permission of the professor and approval of the Chair of the department. May be repeated with different emphasis.
- 4690 Internship in Applied Sociology. (6-0) A supervised work experience related to students' career interests. Requirements include a 300 hour internship within a public or private organization and classroom meetings. To qualify for enrollment, students must meet all prerequisites established by the Department. This course can be taken for credit only once, and may be taken only by BS majors. (WI)

College of Science

DEAN

Stephen B. Seidman, Ph.D.
Centennial Hall 201
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www.science.txstate.edu

ASSOCIATE DEAN

Robert Habingreither, Ph.D.

ASSOCIATE DEAN

Thomas Myers, Ph.D.
Gary Beall, Ph.D., Associate Dean of Research

DEPARTMENT CHAIRS/SCHOOL DIRECTORS

Biology—Joseph Tomasso, Ph.D.
Chemistry and Biochemistry—William Brittain, Ph.D.
Computer Science—Hongchi Shi, Ph.D.
Engineering—Harold Stern, Ph.D.
Engineering Technology—Vedaraman Sriraman, D.Eng.
Mathematics—Stanley G. Wayment, Ph.D.
Physics—David Donnelly, Ph.D.

ACADEMIC ADVISING CENTER

Centennial Hall 202
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The mission of the College of Science is threefold: to prepare students for careers in the natural or physical sciences, mathematics, computer science, engineering, or technology; to provide general scientific and mathematical backgrounds for non-science majors; and to prepare students for advanced training in professional or graduate schools. To accomplish its mission the College maintains an academic atmosphere conducive to excellence in teaching and research and enforces high standards of performance for faculty and students.

To ensure an understanding of basic scientific concepts, the College offers extensive opportunities for student participation. Students gain experience in laboratories, interact with the environment through field studies, conduct undergraduate research, and train in technologically advanced instrumentation. A combination of student participation, rigorous classroom instruction, and library research gives majors a competitive advantage in career advancement or in the selection of professional or graduate colleges. The non-science major is assured of adequate scientific knowledge to make informed decisions essential to citizens in a science-oriented, technological world.

The seven academic units in the College of Science are the Departments of Biology, Chemistry and Biochemistry, Computer Science, Mathematics, Physics, and Engineering Technology, as well as the Ingram School of Engineering.



Three departments offer both the Bachelor of Arts (BA) and Bachelor of Science (BS) degrees. The Department of Engineering Technology offers a Bachelor of Science in Technology (BST) degree.

The Ingram School of Engineering and the Departments of Biology and of Chemistry and Biochemistry offer a Bachelor of Science degree. Majors include applied mathematics, aquatic biology, biochemistry, chemistry, computer science, electrical engineering, engineering technology, general biology, industrial engineering, industrial technology, manufacturing engineering, mathematics, microbiology, physics, and wildlife biology. In addition, pre-professional programs of study are available in architecture, dentistry, medicine, and pharmacy. Secondary teacher certification may be incorporated into some of the majors.

Academic Advising Center

The College of Science Undergraduate Academic Advising Center provides current students with advising on academic and administrative issues. Students are informed about matters related to academic general education core requirements, scholarships and awards within the College, the selection of an appropriate major and minor, the selection of appropriate courses, transfer and correspondence courses, academic probation/suspension, the choice of an educational program leading to a bachelor's degree, and participation in pre-professional programs. The Advising Center is a resource for current students who are considering a science major or pre-professional program, and provides assistance for students applying for graduation. Career counseling is available in the academic unit of the student's major.

Science Teacher Certification

Currently, there are six Texas Grades 8-12 science certifications: Chemistry (BS in Chemistry) Computer Science (BA or BS in Computer Science), Life Sciences (BS in Biology), Mathematics (BA or BS in Mathematics), Physical Science (BS in Chemistry), and Technology (BST in Industrial Technology). Students seeking any of these certifications need to follow coursework leading to a degree in the appropriate science field, in addition to taking the required certification courses. This information can be found

within each departmental section of the catalog. Initial or additional certification may also be acquired as a post-baccalaureate or graduate student.

Students interested in certification are strongly encouraged to see the Science Advisor early in their undergraduate program or certification process.

Department of Biology

Supple Building 384
T: 512.245.2178 F: 512.245.8713
www.bio.txstate.edu

DEGREE PROGRAMS OFFERED

BS, major in Biology
BS, major in Biology (with Life Science Teacher Certification)
BS, major in Biology – Aquatic Biology
BS, major in Biology – Microbiology
BS, major in Biology – Wildlife Biology (leading to certification as a wildlife biologist)

MINOR OFFERED

Biology

Biology is the study of living systems and how they function. Because the biological sciences have had and will have profound impact on human society in all areas-longevity, environmental quality, ethics of biotechnology-knowledge of the biological sciences is an essential aspect of higher education.

Biologists find employment in research laboratories, regulatory agencies, or education. Interested students should see the major area advisors.

Biology majors take a minimum of 11 courses that include the core curriculum of Functional Biology, Organismal Biology, Genetics, a diversity course, a physiology course, Ecology, and Evolution. At the sophomore level and above, a variety of courses in molecular and organismal biology assure a broad education in any of the regions of specialization. Additional required courses in chemistry, mathematics and physics provide a broad scientific background. A minor outside the Biology Department is required for all areas of study except for the Wildlife Biology program. The BS in Biology is often the choice for those seeking pre-medical and pre-dental education.

Teacher Certification

Students may earn the Life Science (Texas Grades 8-12) certification through a BS in Biology. Initial or additional certification may also be acquired as a post-baccalaureate or graduate student. Students interested in certification are strongly encouraged to see the Science Advisor early in their undergraduate program or certification process.

For students who are seeking teacher certification within their major and are not in the College of Science, but would like a second teaching field in Life Science (Texas Grades 8-12) the requirements are: BIO 1430, 1431, 2410, 2450, 4408, 4416 or 4454; CHEM 1341/1141, 1342/1142.

**Bachelor of Science
Major in Biology**
Minimum required: 120 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. Choose one Advanced Physiology course from: BIO 3421 (fall or spring), 3465 (fall), or 4441 (spring).
5. BIO 4299 requires faculty and departmental chair approval to count toward the 15 hours of advanced BIO electives. Biology advanced electives cannot include: BIO 3351, 4305, 4402, 4403, and 4408.
6. Recommended minor is chemistry or biochemistry. Minor and electives should be chosen in consultation with the academic advisor.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BIO 1430	4	BIO 1431	4	BIO 2450	4	BIO 2400, 2410, or 2411	4
CHEM 1141, 1341	4	CHEM 1142, 1342	4	CHEM 2141, 2341	4	CHEM 2142, 2342	4
US 1100	1	ENG 1320	3	MATH 2321	3	MATH 2331	3
ENG 1310	3	HIST 1310	3	HIST 1320	3	ART, DAN, MU, or TH 2313	3
POSI 2310	3	PFW one course	1			POSI 2320	3
PFW one course	1						
Total	16	Total	15	Total	14	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BIO 4416	4	BIO Advanced Physiology (see gen. req. 4)	4	BIO Advanced Electives (see gen. req. 1 & 5)	8-9	BIO 4301	3
PHYS 1410	4	PHYS 1420	4	Minor/Advanced Electives (see gen. req. 1 & 6)	7-8	BIO Advanced Electives (see gen. req. 1 & 5)	6-7
COMM 1310	3	ENG Literature (see gen. req. 2)	3			Minor/Advanced Electives (see gen. req. 1 & 6)	2-3
PHIL 1305	3	Social Science component (see gen. req. 2)	3			Electives (see gen. req. 6)	2
Total	14	Total	14	Total	15-17	Total	13-15

**Bachelor of Science
Major in Biology
(with Life Science Teacher Certification)
Minimum required: 129 semester hours**

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. BIO 4408 does not count toward a non-teacher certification program in Biology.
5. Choose two courses from the following with advisor approval: BIO 3308, 3406, 4410, 4420, 4421, 4422, 4425, 4434, 4446, 4454 or 4465.
6. A Secondary Education minor is required.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BIO 1430	4	BIO 1431	4	BIO 2450	4	BIO 2410	4
CHEM 1141, 1341	4	CHEM 1142, 1342	4	CHEM 2141, 2341	4	CHEM 2142, 2342	4
US 1100	1	ENG 1320	3	MATH 2321	3	MATH 2331	3
ENG 1310	3	HIST 1310	3	PHYS 1410	4	PHYS 1420	4
POSI 2310	3	Social Science component (see gen. req. 2)	3	ENG Literature (see gen. req. 2)	3	PFW one course	1
PFW one course	1						
Total	16	Total	17	Total	18	Total	16

Sophomore Year - Summer I		Sophomore Year - Summer II		Junior Year - 1st Semester		Junior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
PHIL 1305	3	ART, DAN, MU, or TH 2313	3	BIO 2400 or 2411	4	BIO Advanced Elective (see gen. req. 5)	3
HIST 1320	3	POSI 2320	3	CI 3325	3	COMM 1310	6-7
				BIO 4416	4	BIO Advanced Elective (see gen. req. 5)	2-3
				CI 4332	3	ENG 3303	2
Total	6	Total	6	Total	14	Total	13-15

Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr
CI 4370	3	EDST 4681	6
BIO 4408 (see gen. req. 4)	4		
CI 4343	3		
RDG 3323	3		
BIO 4301	3		
Total	16	Total	6

Bachelor of Science
Major in Biology-Aquatic Biology
Minimum required: 120 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. BIO 4299 requires faculty and departmental chair approval to count toward the advanced electives. Biology advanced electives cannot include: BIO 3351, 4305, 4402, 4403, and 4408.
5. Recommended minor is chemistry or biochemistry. Minor and electives should be chosen in consultation with the academic advisor.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BIO 1430	4	BIO 1431	4	BIO 2450	4	BIO 2411	4
CHEM 1141, 1341	4	CHEM 1142, 1342	4	CHEM 2141, 2341	4	CHEM 2142, 2342	4
US 1100	1	ENG 1320	3	MATH 2321	3	MATH 2331	3
ENG 1310	3	HIST 1310	3	HIST 1320	3	ART, DAN, MU, or TH 2313	3
POSI 2310	3	PFW one course	1			POSI 2320	3
PFW one course	1						
Total	16	Total	15	Total	14	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BIO 3421 or 3465	4	BIO Advanced Elective (see gen. req. 4)	3	BIO 4415	4	BIO 4301	3
PHYS 1410	4	PHYS 1420	4	BIO 3460	4	BIO 4416	4
COMM 1310	3	ENG Literature (see gen. req. 2)	3	BIO 4470	4	Minor/Advanced Electives (see gen. req. 1 & 5)	4
PHIL 1305	3	Social Science component (see gen. req. 2)	3	Minor/Advanced Electives (see gen. req. 1)	2-3	Electives (see gen. req. 5)	2
		Minor/Advanced Electives (see gen. req. 1 & 5)	3-4				
Total	14	Total	16-17	Total	14-15	Total	13

Bachelor of Science
Major in Biology-Microbiology
Minimum required: 120 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. Sixteen hours of advanced BIO electives are required of which 12 hours must be chosen from: BIO 3442 (fall), 4426 (spring), 4445 (fall), 4446 (spring), or 4447 (spring).
5. BIO 4447 can only be used to satisfy the physiology requirement or the advanced microbiology course requirement, but not both.
6. Recommended minor is chemistry or biochemistry. Minor and electives should be chosen in consultation with the academic advisor.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BIO 1430	4	BIO 1431	4	BIO 2450	4	BIO 2400	4
CHEM 1141, 1341	4	CHEM 1142, 1342	4	CHEM 2141, 2341	4	CHEM 2142, 2342	4
US 1100	1	ENG 1320	3	MATH 2321	3	MATH 2331	3
ENG 1310	3	HIST 1310	3	ART, DAN, MU, or TH 2313	3	POSI 2320	3
POSI 2310	3	PFW one course	1	HIST 1320	3		
PFW one course	1						
Total	16	Total	15	Total	17	Total	14

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BIO Advanced Elective (see gen. req. 4)	8	BIO 4441 or 4447 (see gen. req. 4 & 5)	4	BIO Advanced Electives (see gen. req. 1, 4, & 5)	4	BIO 4416	4
PHYS 1410	4	BIO Advanced Electives (see gen. req. 1, 4, & 5)	4	Minor/Advanced Electives (see gen. req. 6)	7-8	BIO 4301	3
PHIL 1305	3	PHYS 1420	4	Social Science component (see gen. req. 2)	3	Minor/Advanced Electives (see gen. req. 1 & 6)	1-2
		COMM 1310	3			ENG Literature (see gen. req. 2)	3
						Electives (see gen. req. 6)	2
Total	15	Total	15	Total	14-15	Total	13-14

Bachelor of Science
Major in Biology-Wildlife Biology
(leading to certification as a wildlife biologist)
Minimum required: 133 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. Choose one Advanced Physiology course from: BIO 3421 (fall or spring), 3465 (fall), or 4441 (spring).

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BIO 1430	4	BIO 1431	4	BIO 2450	4	BIO 2411	4
CHEM 1141, 1341	4	CHEM 1142, 1342	4	CHEM 2130, 2330	4	PHYS 1410	4
US 1100	1	ENG 1320	3	MATH 2321	3	MATH 2331	3
ENG 1310	3	HIST 1310	3	ART, DAN, MU, or TH 2313	3	ENG Literature (see gen. req. 3)	3
POSI 2310	3	PFW one course	1	HIST 1320	3	POSI 2320	3
PFW one course	1						
Total	16	Total	15	Total	17	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Junior Year - Summer I		Junior Year - Summer II	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
BIO 2410	4	BIO Advanced Physiology (see gen. req. 4)	4	PHIL 1305	3	BIO 4420	4
BIO 4410	4	BIO 3461	4	Social Science component (see gen. req. 3)	3		
BIO 4416	4	BIO 4421	4				
COMM 1310	3	ENG 3303	3				
Total	15	Total	15	Total	6	Total	4

Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr
BIO 4304	3	BIO 4301	3
BIO 4422	4	BIO 4425	4
BIO 4423	4	BIO 4435	4
MATH 2328 or HP 3302	3	GEO 4338	3
Total	14	Total	14

Minor in Biology

A minor in Biology includes: BIO 1430, 1431, 2450, and 9 advanced BIO hours, not to include BIO 3351, 4299, 4305, 4402, 4403, or 4408. CHEM 1341, 1141 and 1342, 1142 are prerequisites for BIO 2450. A grade of "C" or higher is required in all prerequisite courses.

Courses in Biology (BIO)

BIO 1320 and 1421 may be taken in any order. BIO 1320 and 1421 will not meet the requirements for medical or dental schools.

- 1320 (BIOL 1308) Modern Biology I, Molecules, Cells, and Physiology. (3-0) Provides students with basic scientific and biological principles. Current problems in biology and the ethics of science are presented with perspectives of public policy from a scientific viewpoint. This course, when accompanied by BIO 1421, will fulfill the Natural Science Core Component. This course is not recommended for majors in the natural sciences, including biology.
- 1421 (BIOL 1409) Modern Biology II, Organisms, Evolution, and Environment. (3-3) This course provides the non-science major the strong and diverse background necessary to understand the structural and functional diversity of organisms, evolution and behavior, and interactions among organisms and their environment. Topics include issues such as the genetic basis of behavior, overpopulation and extinction, ozone depletion, and conservation biology. This course is not recommended for majors in the natural sciences, including biology.
- 1430 (BIOL 1406) Functional Biology. (3-3) Provides the science major with a strong foundation in cellular and molecular biology and physiology. Topics include biological chemistry, metabolism, the molecular bases of cellular functions and genetics, the molecular biology of reproduction and development, cell signaling, neurobiology and the special senses, and human physiology and the immune system. Not recommended for non-majors.
- 1431 (BIOL 1407) Organismal Biology. (3-3) Provides the science major with a strong foundation in organismal biology, Mendelian and population genetics, evolution, and ecology. Topics include taxonomy, patterns of diversity, ecosystems and human biology, behavior, reproductive biology, and comparative physiology. Not recommended for non-majors.
- 2400 (BIOL 2421) Microbiology. (3-3) Principles of microbiology, morphology, anatomy, physiology and taxonomy of representative groups of non-pathogenic organisms. Laboratory methods stress studies of pure cultures, the use of laboratory apparatus in quantitative determinations and the detection and identification of microbial populations in the environment. Prerequisites: BIO 1430, 1431, and CHEM 1341 with a grade of "C" or higher.
- 2410 Intermediate General Botany. (3-3) An introduction to the biology of plants and plant-like organisms, emphasizing their role in ecosystem processes, relationships between structure and function, and the evolutionary relationships among the major plant groups. Prerequisites: BIO 1430 and 1431 with a grade of "C" or higher.

- 2411 Intermediate Zoology. (3-3) Provides biology majors a strong foundation in animal biology at the organismal level. The format will include details of animal form and function as well as concepts relating to classification, phylogeny, evolution, and ecology. Topics will include natural history, biogeography, adaptations to local environments, shared characters, and behavior. All material is presented in an accepted phylogenetic sequence. Prerequisites: BIO 1430 and 1431 with a grade of "C" or higher.
- 2430 (BIOL 2404) Human Physiology and Anatomy. (3-4) A course on human physiology covering the various organ systems. Principles of molecular biology, cell and tissue structure, anatomy and relationship of structure and function are stressed. May not be credited toward a Biology major or minor.
- 2440 (BIOL 2420) Principles of Microbiology. (3-3) The Basic Principles of microbiology, morphology, physiology, immunology and the relationship of microorganisms to diseases. This course is designed primarily to meet the requirements for students in allied health sciences and other programs requiring only one semester of microbiology. This course may not be credited toward a biology major or minor.
- 2450 (BIOL 2416) Genetics. (3-3) An introduction to basic principles of Genetics by studies of Mendelian, molecular, quantitative and population genetics. Topics include: classical transmission genetics, and gene mapping, DNA replication and repair, transcription, translation, control of gene expression, genetic engineering techniques, Hardy-Weinberg equilibrium, evolutionary change via natural selection, and genetic drift. Prerequisites: BIO 1430, 1431; CHEM 1141, 1341, 1142, and 1342 with grades of "C" or higher.
- 2451 Human Anatomy and Physiology I. (3-2) Part I of a two semester course on the structure and function of the human body. Designed specifically to prepare students for nursing and other health professions. Prerequisites: CHEM 1141 and 1341 with grades of "C" or higher.
- 2452 Human Anatomy and Physiology II. (3-2) Part II of a two semester course on the structure and function of the human body. Designed specifically to prepare students for nursing and other health professions. Prerequisites: CHEM 1141 and 1341 with grades of "C" or higher.
- 3300 Cell and Molecular Biology. (3-0) Fundamentals of structure and function of prokaryotic and eukaryotic cells. Course includes cell and organelle structure, basic biochemistry, principles of thermodynamics and energy transformation, nucleic acid and protein synthesis, enzyme kinetics, cell motility and cell signaling. Prerequisites: BIO 1430 and CHEM 1342 with grades of "C" or higher, or permission of instructor.
- 3308 Global Ecology. (3-0) An interdisciplinary introduction to the science of global environmental change. Emphasis will be placed on understanding principles of earth system science, the scientific basis underlying the major components of global environmental change, the linkages between these components, and the central role of humanity in contributing to the observed changes. Prerequisites: BIO 1430, 1431 with a grade of "C" or higher. (MC) (WI)
- 3351 Forensic and Human Genetics. (3-0) An introduction to basic principles of Mendelian, molecular, and forensic genetics as it relates to the problems of human populations.

- This course is intended for non-science majors. May not be credited towards a biology major or minor. Prerequisites: BIO 1320 and 1421 or BIO 1430 and 1431.
- 3370 The Biology of Marine Mammals. (3-0) This course will examine the evolution, behavior, and physiological adaptations (morphological, sensory, energetic, reproductive, and communicative) of the major groups of marine mammals: cetaceans, pinnipeds, and siennas. Prerequisites: BIO 2411, 2450 with a grade of "C" or higher. (WI)
- 3406 Economic Botany. (3-3) An introduction to the utilization of plants by humans and their economic and ecological significance. Laboratories will stress plant features beneficial to economic and societal needs. Prerequisite: BIO 2450 with a grade of "C" or higher.
- 3410 Phycology. (3-3) A study of algal organisms, comparative and culture techniques. Prerequisites: 8 hours from BIO 1410, 2410, 2450, 3400, 3450 with a grade of "C" or higher.
- 3421 Vertebrate Physiology. (3-3) The study of the physiology of vertebrate organ systems, including the nervous system, musculoskeletal system, endocrine system, cardiovascular system, respiratory system, digestive system, reproductive system and urinary system. Mammalian systems will be emphasized. Prerequisites: BIO 2450 with a grade of C or higher.
- 3422 Biological Oceanography. (3-3) This course examines chemical and physical aspects of oceans and estuaries as they relate to biological oceanography, specifically primary and secondary productivity, energy flow, and adaptations of marine organisms. Two field trips are taken to the Gulf Coast of Texas. Prerequisites: BIO 2450, 2410 or 2411 with a grade of "C" or higher; GEO 3335. (WI)
- 3430 Mycology. (3-3) A study of the fungal kingdom including slime molds and lichens. Laboratory studies will emphasize taxonomy, morphology and culture techniques. Prerequisites: BIO 2410 or 2400, 2450 with a grade of "C" or higher.
- 3442 Virology. (3-4) The structure, multiplication and genetics of bacterial, plant, and animal viruses. The role of viruses in human and plant disease. Prerequisites: BIO 2400, 2450 with a grade of "C" or higher. (WI)
- 3460 Aquatic Biology. (3-3) An introduction to plant and animal life in the fresh water habitats of the local area. Prerequisites: BIO 2411, 2450 with a grade of "C" or higher; one year of Chemistry. (WI)
- 3461 Plant Taxonomy. (3-3) Principles of identification and classification of plants; nomenclature and characteristics of various plant groups with emphasis on the higher plants. Prerequisites: BIO 2410, 2450 with a grade of "C" or higher.
- 3465 Plant Physiology. (3-3) Basic principles of plant physiology studied in lecture and laboratory. Prerequisites: BIO 2450 with a grade of "C" or higher or consent of instructor. One semester of organic chemistry is strongly recommended.
- 3470 Invertebrate Zoology. (3-4) A study of the comparative morphology, evolution, systematics and natural history of invertebrates. Prerequisites: BIO 2411, 2450 with a grade of "C" or higher.
- 3480 Histology. (3-4) A study of the structural and functional relationships between cells and tissues in organs. The laboratory includes the study of prepared slides and of microtechnique. This course is designed to meet the needs of pre-professional students. Prerequisites: BIO 2411, 2450 with a grade of "C" or higher.
- 3490 Principles of Developmental Biology. (3-3) This course will cover basic principles of developmental biology in both plant and animal systems. Course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms. Prerequisites: BIO 1430 and 2450.
- 4299 Undergraduate Research. (0-4) Supervised individual research projects in a mentor-student relationship with a biology professor. Available only to biology majors with junior standing and at least a "B" average. May be repeated once for credit. Prerequisites: BIO 2450 with a grade of "C" or higher and consent of the supervising professor.
- 4300 Neurobiology. (3-0) This course will give students an overview of neuroscience, particularly the areas of neuroanatomy, neurophysiology, and evolutionary and developmental neurobiology. Prerequisite: BIO 2450 with a grade of "C" or higher. (MC)
- 4301 Evolution. (3-0) Basic genetic principles applied to natural selection, adaptation, populations, speciation and man's future. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems and certain other selected topics. Prerequisite: BIO 2450 with a grade of "C" or higher.
- 4304 Wildlife and Recreation: Impact, Policy, and Management. (3-0) Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented. Prerequisite: BIO 4416.
- 4305 Nature Study. (3-3) A comprehensive survey of natural events. Includes laboratory and field work emphasizing observation, collection and discovery of relationships. Creditable only for those seeking elementary certification. Required for those seeking grade 4-8 Science and Mathematics/Science certification.
- 4306 Population Genetics. (3-0) Examines the fundamental mathematical models used by population geneticists and the theory underlying them, emphasizing modern genetic approaches. Prerequisite: BIO 2450 with a grade of "C" or higher.
- 4350 Special Topics in Biology. (3-0) Selected advanced topics in biology. May be repeated for credit. Prerequisites will be determined by topic and faculty offering the course.
- 4350A Cell Biology of Cancer. (3-0) A study of the cell signaling pathways and molecular genetics of cancer, including hands-on participation in ongoing research. Prerequisite: permission of instructor.
- 4350B Biological Implications of Water Planning in Texas. (3-0)
- 4350C Field Ornithology. (3-0)
- 4350D Watershed Management Frameworks and Applications. (3-0)
- 4350E Techniques in Aquatic Biology. (3-0) This course will provide hands on experience with a suite of physical, chemical, and biological sampling techniques and gear used in applied river studies. Students will be exposed to the fundamentals of data quality objectives, accuracy, precision, detection limits, data visualization, exploratory analysis, univariate and multivariate statistics.
- 4369 Biosystematics. (3-0) Biological systematics is a multidisciplinary component of most biological disciplines. Course

- topics include: classification schemes, homology, homoplasy, the application of nomenclature, and phylogeny reconstruction. The course will also present relevant issues in conservation, biodiversity cataloging, museum and collection management, and identification methods/dichotomous keys. Prerequisite: BIO 2450 with a grade of "C" or higher.
- 4402 Earth Science I. (3-3) The description and interpretation of earth phenomena considered from the standpoint of meteorology and astrospace. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. May not be counted toward a major or minor in biology. Required for those seeking grade 4-8 Science and Mathematics/Science certification.
- 4403 Earth Science II. (3-3) The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. May not be counted toward a major or a minor in biology. Required for those seeking grade 4-8 Science and Mathematics/Science certification.
- 4408 Science Processes and Research. (3-3) Students will analyze research design, design research, interpret data, and communicate results. Stress on broad-field structure and integration of major science concepts and science knowledge. Should be taken the semester prior to student teaching. Required for those seeking 8-12 Life Sciences and Science teacher certification. May not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
- 4410 Field Biology of Plants. (3-3) Ecological relationships and natural history of plants, including historical geology, geography, soils, vegetational regions and surface geology of central Texas. Emphasis is placed on plant-soil-water relationships to develop conservation concepts. Students will make a representative collection of plants. Prerequisite: BIO 2450 with a grade of "C" or higher.
- 4411 Morphology of the Vascular Plants. (3-3) The structure, life-cycles and evolution of fossil and living vascular plants. Emphasis on such topics as the origin of land plants, evolution of the ovule, angiospermy, the flower and fruit. Prerequisites: BIO 2450 with a grade of "C" or higher; one year of Chemistry.
- 4412 Plant Anatomy. (3-3) The anatomy of vascular plants stressing descriptive, development and comparative aspects of seed plants and the anatomical adaptations of plants to environmental factors. Prerequisites: BIO 2450 with a grade of "C" or higher; one year of Chemistry.
- 4413 Parasitology. (3-4) The biology and biological significance of the common parasites of man and animals. Prerequisites: BIO 2411, 2450 with a grade of "C" or higher.
- 4415 Ichthyology. (3-3) An introduction to the morphology, taxonomy, natural history and evolution of fishes. Field trips will be made to collect specimens and laboratory periods will be devoted to morphological and systematic analysis. Prerequisites: BIO 2411, 2450 with a grade of "C" or higher.
- 4416 General Ecology. (3-3) The ecological relationships that exist between organisms and those relationships that exist between organism and environment. Laboratory sessions will be devoted to literature review and/or specific ecological problems. This course or BIO 4454 is required of all biology majors. Prerequisites: BIO 2450; BIO 2410, 2411, or 2400 with a grade of "C" or higher. (WI)
- 4420 Natural History of the Vertebrates. (3-3) Environmental relationships and natural history of vertebrates. Emphasis is upon taxonomy, speciation and biotic provinces. The laboratory will include field trips for the study and collection of animals in their natural habitats. Students will assemble a representative collection of animals. Prerequisites: BIO 2411, 2450 with a grade of "C" or higher. (WI)
- 4421 Ornithology. (3-3) Introduction to anatomy, behavior, ecology and identification of birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements. Prerequisites: BIO 2411, 2450 with a grade of "C" or higher.
- 4422 Mammalogy. (3-3) The taxonomy, distribution, ecology, behavior and evolution of mammals with particular emphasis on wild animals of the southwest. Laboratory will emphasize anatomy, identification, preparation of specimens and field exercises in the methods of population analysis. Prerequisites: BIO 2411, 2450 with a grade of "C" or higher. BIO 4416 is also recommended.
- 4423 Wildlife Management. (3-3) Applications of the principles of ecology and natural history to the management of wildlife habitats and control of wildlife populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation and field trips to observe wildlife management projects. Prerequisites: BIO 2410, 2411, and 2450 with a grade of "C" or higher. BIO 4416, 4421, or 4422 is also recommended. (WI)
- 4425 Biometry. (3-3) Basic principles of statistical methods as applied to biological problems such as sampling techniques, analysis of data, experimental design and population dynamics. Emphasis will be on practical application. Prerequisites: BIO 2450 with a grade of "C" or higher; MATH 1315.
- 4426 Immunology. (3-4) A study of the immune response, antigen/antibody reactions, major histocompatibility complex, and immunopathology. Prerequisites: BIO 2400, 2450 with a grade of "C" or higher. One semester of organic chemistry is recommended. (WI)
- 4434 Herpetology. (3-3) A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas. Prerequisites: BIO 2411, 2450 with a grade of "C" or higher.
- 4435 Techniques in Wildlife Management. (3-3) The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species. Prerequisites: BIO 2411, 2450 with a grade of "C" or higher.
- 4441 Cellular Physiology. (3-3) Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology. Prerequisites: BIO 2450 with a grade of "C" or higher; one semester of Organic Chemistry. (WI)

- 4442 Experimental Techniques. (3-3) Use of methods and instruments applicable to biological investigations, including colorimetry; UV-spectrophotometry; fluorescence; flame and atomic absorption spectrophotometry; paper, gas, gel filtration and ion exchange chromatography; radioactive counting; and electrophoresis. Prerequisite: BIO 2450 with a grade of "C" or higher.
- 4445 Pathogenic Microbiology. (3-4) Pathogenic bacteria and their relationship to disease, emphasizing identification of selected groups of pathogens, epidemiology and the biological basis for resistance. Prerequisites: BIO 2400, 2450 with a grade of "C" or higher. (WI)
- 4446 Microbial Ecology. (3-4) This course will illustrate the wide variety of bacteria in nature, their interactions with other organisms and the environments, and their roles in global cycling of elements such as carbon, nitrogen, and sulfur. The laboratories will feature enrichments for selected groups of microorganisms (sulfate reducers, nitrogen fixers) and analysis of these isolates by microscopy, gas chromatography and radiochemical substrate utilizations. Prerequisites: BIO 2400, 2450 with a grade of "C" or higher. (WI)
- 4447 Microbial Physiology and Genetics. (3-3) This course will cover fundamental concepts in bacterial physiology and genetics, including central and specialized metabolism, and unique aspects of bacterial genetics. Prerequisites: BIO 2400, 2450; CHEM 2142, 2342 with a grade of "C" or higher. (WI)
- 4450 Physiological Ecology of Animals. (3-3) This course brings together the principal concepts of environmental physiology of animals inhabiting the major ecological realms of the earth (land, air, sea, and fresh water). The biological problems associated with living in the various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied. Prerequisite: BIO 2450 with a grade of "C" or higher.
- 4454 Plant Ecology. (3-3) Physiological ecology and community structure and function in the organization of terrestrial plant ecosystems. Quantitative vegetational sampling and the use of field and laboratory physiological equipment are included in the laboratory. This course or BIO 4416 is required of all Biology majors. Prerequisite: BIO 2450 with a grade of "C" or higher. (WI)
- 4464 Vertebrate Anatomy. (3-3) This course is a comparative study of vertebrate anatomy. Fossil histories are evaluated to understand how vertebrate radiation occurred in the geological past, along with changes in structure of organs and organ systems. Lab includes dissection of representative members of each major vertebrate group. Prerequisite: BIO 2450. (MC) (WI)
- 4465 General Entomology. (3-3) Principles of morphology, physiology and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects. Prerequisites: BIO 2411, 2450 with a grade of "C" or higher.
- 4470 Limnology. (3-3) The physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnological sampling methods, chemical, and biological analysis of samples and hydrographic surveying are included in the laboratory. Prerequisites: BIO 2450 with a grade of "C" or higher; one year of chemistry. (WI)
- 4472 Animal Behavior. (3-3) This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis. Prerequisites: BIO 2450; BIO 2400, 2410, or 2411 with a grade of "C" or higher. (WI)
- 4480 Cytology and Microtechnique. (3-3) A study of cellular structure and microscopic technique. The lecture portion of the course presents cytology of all cell types and theoretical aspects of microscopy including light and electron-based technologies. The laboratory portion of the course provides training in standard light and electron microscopy, laser scanning confocal microscopy, and digital microscopy. Prerequisite: BIO 2450 with a grade of "C" or higher.
- 4481 Internship in Biological Laboratory Technologies. (0-15) The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper, reporting the internship experience conducted at the biological unit under the supervision of a faculty member, will be required. This course may be credited toward a biology major with prior approval of the biology department adviser and chair. Prerequisite: BIO 2450 with a grade of "C" or higher.

Courses in General Science (GS)

- 3310 General Science. (3-2) A laboratory course designed to acquaint the student with the fundamentals of chemistry and earth space science. Non-creditable for science majors. A required course for Elementary EC-4 Generalist certification, grades 4-8 Science certification, and grades 4-8 Mathematics/Science certification. Prerequisites: PHYS 1310, 1320, and 1110 or PHYS 1410, 1420 completed with a grade of "C" or higher.
- 3320 General Science. (3-2) A laboratory course designed to acquaint the student with the fundamentals of biological science. Non-creditable for science majors. A required course for Elementary EC-4 Generalist certification, grades 4-8 Science certification, grades 4-8 Mathematics/Science certification. Prerequisite: BIO 1320, 1421, 1430, or 1431 completed with a grade of "C" or higher.

Department of Chemistry and Biochemistry

Chemistry Building 238
T: 512.245.2156 F: 512.245.2374
www.txstate.edu/chemistry

DEGREE PROGRAMS OFFERED

BS, major in Biochemistry
BS/MS, major in Biochemistry
BS, major in Chemistry
BS, major in Chemistry (with Teacher Certification)
BS, major in Chemistry (with Physical Science Teacher Certification)
BS/MS, major in Chemistry

MINORS OFFERED

Biochemistry
Chemistry

Chemistry is the central science and the study of chemistry provides the essential knowledge needed to address many of society's most pressing needs, such as feeding, clothing, and housing the peoples of the world; tapping new sources of energy; improving health and conquering disease; providing renewable substitutes for dwindling resources; strengthening our national security; and monitoring and protecting our environment. Basic research in chemistry will help future generations address their evolving needs and ensure a higher quality of life.

Chemists and biochemists can work in almost any field and find careers in teaching, research, production, quality control, technical services, and/or sales. Graduates from the Department of Chemistry and Biochemistry have an excellent record of job placement in industrial, academic, and government positions. Many also seek advanced degrees or pursue careers in medicine, dentistry, or pharmacy.

Chemistry and biochemistry majors gain skills in quantitative thinking and problem solving. Majors can work as laboratory instructors for lower division courses or as research assistants in faculty research laboratories. Students often participate in internships and research programs both on and off campus during the summer. The faculty, facilities, library holdings, and chemistry curriculum of the Department of Chemistry and Biochemistry have been accredited by the American Chemical Society. Recipients of a B.S. in Chemistry or B.S. in Biochemistry, who have fulfilled the minimum requirements for professional chemists, are awarded certificates by the American Chemical Society. Receipt of the ACS certificate is recommended as preparatory training for work in industry or for continued graduate studies in chemistry or biochemistry.

Students seeking a BS in Chemistry begin their studies taking foundation courses in chemistry, physics and mathematics. After completion of the foundation courses, students take advanced courses and laboratories in physical chemistry, analytical chemistry, inorganic chemistry and organic chemistry. A minor is required for this degree.

Students seeking a BS in Biochemistry begin their studies taking foundation courses in chemistry, biology, physics and mathematics. After completion of the foundation courses, students take advanced courses and laboratories to gain knowledge and experience in the modern techniques of biochemistry and molecular genetics. A minor is required for this degree.

Qualified chemistry or biochemistry majors completing their junior year of chemistry courses who plan to pursue advanced studies have the opportunity to complete both a BS and MS degrees with one additional year of course work and research after receipt of a BS degree. Students must be active in undergraduate research prior to their senior year to be eligible for the program.

Pharmacy

Pharmacy is a six-year program, two years of which may be taken at Texas State. The six pharmacy schools in Texas (The University of Texas at Austin, University of Houston, Texas Southern University, Texas A&M Health Science Center, Texas Tech University Health Science Center, and University of the Incarnate Word) all require two years of prerequisite courses in chemistry, biology, math, physics, English, humanities and social sciences, but the exact courses required vary by school. Consequently, it is imperative that pre-pharmacy students consult with an advisor prior to and during their pre-pharmacy program. For more information contact the Department of Chemistry and Biochemistry pre-pharmacy advisor.

Teacher Certification

Students may earn either a Chemistry or Physical Science (Texas Grades 8-12) certification in Texas Grades 8-12 while pursuing a BS in Chemistry. Initial or additional certification may also be acquired as a post-baccalaureate or graduate student. Students interested in certification are strongly encouraged to see the Science Advisor early in their undergraduate program or certification process.

For students who are seeking teacher certification within their major and are not in the College of Science, but would like a second teaching field in Chemistry (Texas Grades 8-12) the requirements are: CHEM 1341/1141, 1342/1142, 2341/2141, 2342/2142, 3410, 4295, and 4375.

**Bachelor of Science
Major in Biochemistry**
Minimum required: 120 semester hours

General Information:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. Two semesters of CHEM 4299 are highly recommended and required for the optional certification of the degree as approved by the American Chemical Society.
5. Minor and electives should be chosen in consultation with the departmental or academic advisor. Recommended minor is biology.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	CHEM 1142, 1342	4	CHEM 2141, 2341	4	CHEM 2142, 2342	4
BIO 1430	4	BIO 1431	4	MATH 2472	4	BIO 2450	4
US 1100	1	MATH 2471	4	PHYS 1430	4	PHYS 2425	4
ENG 1310	3	ENG 1320	3	ENG Literature (see gen. req. 5)	3	COMM 1310	3
PHIL 1305 or 1320	3					PFW one course	1
Total	15	Total	15	Total	15	Total	16

Junior Year 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 3330	3	CHEM 3380	3	CHEM 4360	3	CHEM 4385	3
CHEM 3375	3	CHEM 3275	2	CHEM 4481	4	CHEM 4482	4
BIO 2400	4	HIST 1320	3	Minor Advanced Elective (see gen. req. 1 & 5)	4	Minor Advanced Elective (see gen. req. 1 & 5)	4
HIST 1310	3	POSI 2320	3	Minor Advanced Elective (see gen. req. 1 & 5)	3	ART, DAN, MU, or TH 2313	3
POSI 2310	3	Social Science Component (see gen. req. 2) PFW one course	1				
Total	16	Total	15	Total	14	Total	14

Bachelor of Science and Master of Science
Major in Biochemistry
(Early-Entry Combined program)
Minimum required: 154 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required for the BS degree. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same foreign language were taken in high school, then enough additional hours to total the minimum 124 hours required for the degree will fulfill this requirement. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. Students should consult a departmental or academic advisor before selecting an undergraduate minor. A minor in biology is recommended.
5. Students completing 124 semester hours will be eligible for graduation with a BS degree. The MS degree will be awarded only after the completion of all required courses and the successful defense of a research thesis.
6. The graduate-level courses taken in the senior year are CHEM 5110, 5395, 5399A, and a 3-hour elective approved by the graduate advisor. After admission to the Graduate College, 20 additional graduate hours (including a research thesis) and successful completion of a comprehensive examination is required for the MS degree.
7. Students may be admitted to the MS program without entrance qualification exams if they have a 3.00 GPA or higher in all chemistry and biochemistry courses, have completed CHEM 3275, 3380, and two semesters of CHEM 4299, have taken the Graduate Record Exam, and have been accepted by a graduate thesis advisor. Applicants will be evaluated by the Graduate Evaluation Committee to determine their suitability to enter the program. The application process is the same as for other graduate applicants to the Graduate College. Graduate status is provisional until the BS degree is awarded. The BS degree will be certified as approved by the American Chemical Society.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	CHEM 1142, 1342	4	CHEM 2141, 2341	4	CHEM 2142, 2342	4
BIO 1430	4	BIO 1431	4	MATH 2472	4	BIO 2450	4
US 1100	1	MATH 2471	4	PHYS 1430	4	PHYS 2425	4
ENG 1310	3	ENG 1320	3	ENG Literature (see gen. req. 2)	3	COMM 1310	3
PHIL 1305 or 1320	3					PFW one course	1
Total	15	Total	15	Total	15	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Junior Year - Summer I		Junior Year - Summer II	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 3330	3	CHEM 3380	3	HIST 1310	3	HIST 1320	3
CHEM 3375	3	CHEM 3275	2	POSI 2310	3	POSI 2320	3
CHEM 4299	2	CHEM 4299	2				
BIO 2400	4	Minor Advanced Elective (see gen. req. 1 & 4)		Total	6	Total	6
Minor Advanced Elective (see gen. req. 1 & 4)		Social Science Component (see gen. req. 2)	4				
	4	PFW one course	3				
Total	16	Total	15				

Senior Year - 1st Semester		Senior Year - 2nd Semester		Fifth Year - 1st Semester		Fifth Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 4360	3	CHEM 4385	3	CHEM 5110	1	CHEM 5110	1
CHEM 4481	4	CHEM 4482	4	Graduate level CHEM Electives	6	Graduate level CHEM electives	6
Minor Advanced Elective (see gen. req. 1 & 4)	3	ART, DAN, MU, or TH 2313	3	CHEM 5370	3	CHEM 5399B	3
CHEM 5110	1	CHEM 5399A	3				
CHEM 5395	3	Graduate level CHEM Elective	3				
Total	14	Total	16	Total	10	Total	10

**Bachelor of Science
Major in Chemistry**
Minimum required: 120 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.
5. Students should consult a departmental or academic advisor before selecting a minor.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	CHEM 1142, 1342	4	CHEM 2141, 2341	4	CHEM 2142, 2342	4
US 1100	1	ENG 1320	3	MATH 2472	4	PHYS 2425	4
COMM 1310	3	HIST 1310	3	PHYS 1430	4	ART, DAN, MU, or TH 2313	3
ENG 1310	3	MATH 2471	4	ENG Literature (see gen. req. 2)	3	PHIL 1305 or 1320	3
POSI 2310	3	PFW one course	1			Electives (see gen. req. 1 & 5)	3
PFW one course	1						
Total	15	Total	15	Total	15	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 3330	3	CHEM 3340	3	CHEM 4331	3	CHEM 4341	3
CHEM 3410	4	CHEM 3245	2	CHEM 4231	2	CHEM 4241	2
HIST 1320	3	POSI 2320	3	CHEM 4375	3	CHEM Advanced Elective (see gen. req. 4)	3-4
Elective (see gen. req. 1 & 5)	3	Social Science Component (see gen. req. 2)	3	Minor Advanced Elective (see gen. req. 1 & 5)	3	Electives (see gen. req. 1 & 5)	3
Minor Advance Elective (see gen. req. 1 & 5)	3	Minor Advance Elective (see gen. req. 1 & 5)	3	Electives (see gen. req. 1 & 5)	3	Electives (see gen. req. 1 & 5)	2-3
Total	16	Total	14	Total	14	Total	14

**Bachelor of Science
Major in Chemistry
(with Chemistry Teacher Certification)
Minimum required: 120 semester hours**

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.
5. A minor in Secondary Education is required.
6. Minor and electives should be chosen in consultation with the departmental or academic advisor.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Freshman Year - Summer I		Freshman Year - Summer II	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	CHEM 1142, 1342	4	CHEM 2141, 2341	4	CHEM 2142, 2342	4
MATH 2471	4	MATH 2472	4				
US 1100	1	PHYS 1430	4				
ENG 1310	3	ENG 1320	3				
PHIL 1305 or 1320	3						
Total	15	Total	15	Total	4	Total	4

Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester		Sophomore Year - Summer I		Sophomore Year - Summer II	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 3330	3	CHEM 3340	3	HIST 1310	3	HIST 1320	3
CHEM 3410	4	CHEM 3245	2	POSI 2310	3	POSI 2320	3
PHYS 2425	4	ART, DAN, MU, or TH 2313	3				
ENG Literature (see gen. req. 2)	3	COMM 1310	3				
		PFW one course	1				
Total	14	Total	12	Total	6	Total	6

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 4331	3	CHEM 4341	3	Social Science Component (see gen. req. 2)	3	EDST 4681	6
CHEM 4231	2	CHEM 4241	2	CI 4370	3		
CHEM 4375	3	CHEM Advanced Elective (see gen. req. 4 & 6)	3-4	CI 4343	3		
CI 4332	3	CI 3325	3	RDG 3323	3		
CHEM 4295	2	Electives (see gen. req. 1, 3, & 6)	0-1	PFW one course	1		
Total	13	Total	12	Total	13	Total	6

**Bachelor of Science
Major in Chemistry
(with Physical Science Teacher Certification)
Minimum required: 133-134 semester hours**

General Information:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.
5. A double minor in Secondary Education and Physics is required.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Freshman Year - Summer I		Freshman Year - Summer II	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	CHEM 1142, 1342	4	CHEM 2141, 2341	4	CHEM 2142, 2342	4
MATH 2471	4	MATH 2472	4				
US 1100	1	PHYS 1430	4				
ENG 1310	3	ENG 1320	3				
PHIL 1305 or 1320	3						
Total	15	Total	15	Total	4	Total	4

Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester		Sophomore Year - Summer I		Sophomore Year - Summer II	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 3330	3	CHEM 3340	3	HIST 1310	3	HIST 1320	3
CHEM 3410	4	CHEM 3245	2	POSI 2310	3	POSI 2320	3
PHYS 2425	4	PHYS 2435	4				
ART, DAN, MU, or TH 2313	3	Social Science Component (see gen. req. 2)	3				
		COMM 1310	3				
Total	14	Total	15	Total	6	Total	6

Junior Year - 1st Semester		Junior Year - 2nd Semester		Junior Year - Summer I		Senior Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 4331	3	CHEM 4341	3	ENG Literature (see gen. req. 2)	3	CHEM 4295	2
CHEM 4231	2	CHEM 4241	2	CI 3325	3	CI 4370	3
CHEM 4375	3	CHEM Advanced Elective (see gen. req. 4)	3-4			CI 4343	3
CI 4332	3	PHYS 3411	4			RDG 3323	3
PHYS 4320 or 4321	3	PHYS 3312	3			PFW one course	1
PFW one course	1						
Total	15	Total	15-16	Total	6	Total	12

Senior Year - 2nd Semester	
Course	Hr
EDST 4681	6
Total	6

Bachelor of Science and Master of Science
Major in Chemistry
(Early-Entry Combined program)
Minimum required: 150 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required for the BS degree. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same foreign language were taken in high school, then enough additional hours to total the minimum 120 hours required for the degree will fulfill this requirement. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. The graduate-level courses taken in the senior year are CHEM 5110, 5395, 5399A, and a 3-hour elective approved by the graduate advisor. After admission to the Graduate College, 20 additional graduate hours (including a research thesis) and successful completion of a comprehensive examination is required for the MS degree.
5. Students should consult a departmental or academic advisor before selecting an undergraduate minor or electives.
6. Students completing 120 semester hours will be eligible for graduation with a BS degree. The MS degree will be awarded only after the completion of all required courses and the successful defense of a research thesis.
7. Students may be admitted to the MS program without entrance qualification exams if they have a 3.00 GPA or higher in all CHEM courses, have completed two semesters of CHEM 4299, have taken the Graduate Record Exam, and have been accepted by a graduate thesis advisor. Applicants will be evaluated by the Graduate Evaluation Committee to determine their suitability to enter the program. The application process is the same as for other graduate applicants to the Graduate College. Graduate status is provisional until the BS degree is awarded. The BS degree will be certified as approved by the American Chemical Society.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	CHEM 1142, 1342	4	CHEM 2141, 2341	4	CHEM 2142, 2342	4
US 1100	1	MATH 2471	4	MATH 2472	4	PHYS 2425	4
ENG 1310	3	ENG 1320	3	PHYS 1430	4	ART, DAN, MU, or TH 2313	3
POSI 2310	3	HIST 1310	3	ENG Literature (see gen. req. 2)	3	COMM 1310	3
PHIL 1305 or 1320	3	PFW one course	1			Electives (see gen. req. 1 & 3)	2
PFW one course	1						
Total	15	Total	15	Total	15	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Junior Year - Summer I		Junior Year - Summer II	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 3330	3	CHEM 3340	3	HIST 1310	3	POSI 2320	3
CHEM 3410	4	CHEM 3245	2	Electives (see gen. req. 1 & 3)	3	Electives (see gen. req. 1 & 3)	3
CHEM 4299	2	CHEM 4299	2				
Electives (see gen. req. 1 & 3)	3	Social Science Component (see gen. req. 2)	3				
Minor Advanced Elective (see gen. req. 1 & 5)	3	Minor Advanced Elective (see gen. req. 1 & 5)	3				
Total	15	Total	13	Total	6	Total	6

Senior Year - 1st Semester		Senior Year - 2nd Semester		Fifth Year - 1st Semester		Fifth Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 4331	3	CHEM 4341	3	CHEM 5110	1	CHEM 5110	1
CHEM 4231	2	CHEM 4241	2	Graduate level CHEM Electives	6	Graduate level CHEM Electives	6
CHEM 4375	3	Electives (see gen. req. 1 & 3)	3	CHEM 5370	3	CHEM 5399B	3
Minor Advanced Elective (see gen. req. 1 & 5)	3	CHEM 5399A	3				
CHEM 5110	1	Graduate level CHEM Elective	3				
CHEM 5395							
Total	15	Total	14	Total	10	Total	10

Minor in Chemistry

A minor in Chemistry requires CHEM 1141 and 1341, 1142 and 1342, 2141 and 2341, 2142 and 2342, 3410, and one advanced course with a minimum of 3 advanced hours, not to include CHEM 4299.

Minor in Biochemistry

A minor in Biochemistry requires CHEM 1141 and 1341, 1142 and 1342, 2141 and 2341, 2142 and 2342, 3276, 3375, and 4360 or 4385.

Courses in Chemistry (CHEM)

- 1141 (CHEM 1111) General Chemistry Laboratory I. (0-3) First of two laboratory courses in general chemistry for science-related majors. Course introduces the students to the basics of experimental measurements, including density, separation techniques, formula determinations, titrations, thermodynamics, gas laws, and descriptive chemistry. Prerequisite or Co-requisite: CHEM 1341 or CHEM 1310.
- 1142 (CHEM 1112) General Chemistry Laboratory II. (0-3) Second of two laboratory courses in general chemistry. Laboratory techniques are emphasized, and applied to both qualitative and quantitative analysis. Prerequisites: CHEM 1341, 1141. Prerequisite or Co-requisite: CHEM 1342.
- 1310 (CHEM 1305) Introductory Chemistry for Non-Science Majors. (3-0) A one semester principles courses for students in non-science related majors. Course covers the major concepts of chemistry and the role of chemistry in contemporary society. Students will not receive credit for both CHEM 1310 and CHEM 1341. Must be followed by CHEM 1430 for general education credit.
- 1341 (CHEM 1311) General Chemistry I. (3-0) Initial lecture course in general chemistry for science-related majors, covering atomic and molecular structure, bonding, states of matter, solutions, and descriptive chemistry. Concurrent registration in CHEM 1141 is recommended. Prerequisite: Mathematics ACT score of at least 24 (SAT 500 or SAT re-centered 520) or MATH 1315 with a grade of "C" or higher.
- 1342 (CHEM 1312) General Chemistry II. (3-0) Second of two lecture courses in general chemistry for science-related majors, covering equilibrium processes, acid-base chemistry, and kinetics, and electrochemistry. A basic knowledge of algebra is needed. Concurrent enrollment in CHEM 1142 is recommended. Prerequisite: CHEM 1341 with a grade of "C" or higher.
- 1430 (CHEM 1407) Chemistry for Non-Science Majors. (3-3) A one semester course which surveys organic and biochemistry and may include petro-chemistry, nuclear chemistry, synthetic and natural polymers. Prerequisite: CHEM 1310 or 1341.
- 2130 Laboratory Technique in Organic Chemistry. (0-3) An optional laboratory to accompany CHEM 2330, covers experimental techniques of preparation, purification, and determination of physical and chemical properties of organic compounds. Prerequisites: CHEM 1342/1142. Co-requisite: CHEM 2330.
- 2141 (CHEM 2123) Organic Chemistry Laboratory I. (0-3) This laboratory introduces the student to the general techniques of organic chemistry. Prerequisites: CHEM 1342 with

a grade of "C" or higher, CHEM 1142. Prerequisite or Co-requisite: CHEM 2341.

- 2142 (CHEM 2125) Organic Chemistry Laboratory II. (0-3) This laboratory involves the study of typical organic reactions. Prerequisites: CHEM 2341 with a grade of "C" or higher, CHEM 2141. Prerequisite or Co-requisite: CHEM 2342.
- 2150 Biochemistry & Metabolism Lab. (0-3) An optional laboratory to accompany CHEM 2350. This laboratory examines the physical properties and chemistry of carbohydrates, amino acids, proteins, lipids and nucleotides. Course is designed for students majoring in nutrition, clinical laboratory science and agriculture. Prerequisites: CHEM 2330/2130 or 2342/2142. Co-requisite: CHEM 2350.
- 2330 Fundamentals of Organic Chemistry. (3-0) A one-semester course which covers nomenclature, structure and reactions of organic compounds with an introduction to bioorganic molecules. Course is designed for students majoring in nutrition, clinical laboratory sciences and agriculture. Prerequisites: CHEM 1342/1142.
- 2341 (CHEM 2323) Organic Chemistry I. (3-0) This course covers the nomenclature, reactions and reaction mechanisms of the hydrocarbons and the alkyl halides. Prerequisites: CHEM 1342 with a grade of "C" or higher. Pre- or Co-requisite: CHEM 1142.
- 2342 (CHEM 2325) Organic Chemistry II. (3-0) This course covers the nomenclature, reactions and reaction mechanisms of the major functional groups. Prerequisite: CHEM 2341 with a grade of "C" or higher. Prerequisite or Co-requisite: CHEM 2141.
- 2350 Biochemistry & Metabolism. (3-0) A one-semester study of carbohydrate, proteins, lipids and nucleotides which presents both structure and intermediary metabolism along with an introduction to the function of enzymes and coenzymes. Course is designed for students majoring in nutrition, clinical laboratory science and agriculture. Prerequisites: CHEM 2330/2130 or CHEM 2342/2142.
- 2390 Environmental Chemistry. (3-0) Environmental chemistry examines sources, reactions, transport and fate of chemical entities in the environment, as well as their effects on human health and the natural environment. This multidisciplinary subject draws from such fields as geology, physics, toxicology, limnology, water-treatment and chemistry. Prerequisites: CHEM 1342/1142.
- 3245 Physical Chemistry Laboratory. (1-4) Experiments illustrating principles and methods of physical chemistry are performed. Written reports on the experiments are prepared. Prerequisites: CHEM 3330, 3410. Prerequisite or Co-requisite: CHEM 3340. (WI)
- 3275 Biochemical Techniques. (1-4) Course introduces biochemistry majors to the fundamental techniques used in modern biochemistry. Course emphasizes essential techniques employed in the study of biomolecules, the use of modern instrumentation, and manipulation, analysis, and reporting of experimental data. Prerequisites: CHEM 3375 with a grade of "C" or higher. (WI)
- 3276 Experimental Biochemistry. (1-4) Course introduces biochemistry minors to the fundamental techniques used in modern biochemistry. Experiments use the essential techniques employed in the study of proteins, enzymes and nucleic acids

- with emphasis on the use of modern instrumentation and the manipulation and analysis of experimental data. Prerequisites: CHEM 3375 with a grade of "C" or higher.
- 3330 Physical Chemistry I. (3-0) The course covers principles of thermodynamics and thermochemistry, phase equilibria, electrochemistry and elementary kinetics including rate laws and mechanisms. Prerequisites: CHEM 1142; CHEM 1342 and MATH 2472 with a grade of "C" or higher.
- 3340 Physical Chemistry II. (3-0) The course covers kinetics, quantum mechanics, spectroscopy, and other selected topics. Prerequisites: CHEM 3330; MATH 2472 with a "C" or better; and PHYS 2425 with a grade of "C" or higher.
- 3375 Principles of Biochemistry. (3-0) Course provides biochemistry majors and minors with a rigorous introduction to biochemistry. Topics include the chemical function and structure of proteins, nucleic acids, lipids and carbohydrates; enzyme mechanisms, kinetics and regulation. Students may not receive credit for both CHEM 3375 and CHEM 4375. Prerequisites CHEM 2342 with a grade of "C" or higher.
- 3380 Physical Methods in Biochemistry. (3-0) This course is designed to acquaint the student with the chemical and physical principles of modern biochemical methods. Emphasis is placed upon the application of the methods to current problems in biochemistry and molecular biology and the interpretation of data. Prerequisite: CHEM 3375 with a grade of "C" or higher.
- 3410 Quantitative Analysis. (3-6) Course covers the general theory and practice of typical methods of gravimetric and volumetric analysis, satisfies the quantitative analysis requirements for chemistry majors, minors, pre-medical and pharmacy students. Prerequisites: CHEM 1342 with a grade of "C" or higher, CHEM 1142.
- 4231 Advanced Laboratory I. (2-4) An advanced integrated lab illustrating a variety of chemical techniques for the preparation, characterization and analysis of organic and inorganic materials. Prerequisites: CHEM 3245, 3340, 3410. Prerequisite or Co-requisite: CHEM 4331. (WI)
- 4241 Advanced Laboratory II. (2-4) An advanced integrated lab illustrating a variety of chemical techniques for the preparation, characterization and analysis of inorganic and organic materials. Prerequisites: CHEM 4331, 4231. Prerequisite or Co-requisite: CHEM 4341. (WI)
- 4295 Laboratory Development and Practice. (1-2) This course develops the laboratory instructional abilities of students seeking either 8-12 Chemistry or 8-12 Physical Science Teaching Certification. Topics include both traditional laboratory techniques and guided inquiry techniques, safety, laboratory management, pedagogical theory and practical knowledge of laboratory experiments. Prerequisite: Junior standing and an overall GPA of 2.5 or higher.
- 4299 Undergraduate Research. (0-4) This course is available to undergraduate chemistry or biochemistry majors only. It may be repeated but a maximum of four semester hours from this course are applicable toward the Bachelor of Science degree. Prerequisite: Permission of department.
- 4331 Instrumental Analysis. (3-0) The theory and methodology associated with the quantitative analysis of materials, i.e., electronics, spectroscopy, electrochemistry and chromatography are presented. Prerequisite: CHEM 3340.
- 4333 Spectroscopy. (3-0) The study of various spectrometric techniques in qualitative and structural analysis of chemical substances. Prerequisite: CHEM 2342 with a grade of "C" or higher.
- 4341 Advanced Inorganic Chemistry. (3-0) Chemical bonding, coordination chemistry compounds, acid-base concepts, and other topics are included along with some descriptive chemistry. Prerequisite: CHEM 3340.
- 4350 Modern Molecular Modeling. (3-0) A study of the application of computational techniques to molecular modeling. Topics covered include quantum mechanical modeling, forcefield based molecular modeling, molecular energy minimization, molecular dynamics, vibrational spectra, solution of crystalline structures, diffraction patterns, molecular blends, phase equilibria, crystal morphology, physical property prediction and mesoscale modeling. Prerequisite: CHEM 3340.
- 4351 Introduction to Polymers. (3-0) This course is designed to develop the student's general understanding of polymer history and importance as well as terminology, structure, and synthesis. The overall scope of the course will be to develop the student's general knowledge of polymer synthesis and structure. Prerequisite: CHEM 2342 with a grade of "C" or higher.
- 4360 Advanced Biochemistry and Molecular Biology. (3-0) This course provides Biochemistry majors and minors with advanced knowledge of the field of molecular biochemistry. Topics include gene expression (transcription and translation of genes in bacteria and higher organisms), post-translational modification of proteins, chromosomal DNA replication, cell cycle checkpoint controls, DNA damage and repair, as well as theories of cancer and aging. Prerequisite: CHEM 3375.
- 4371 Directed Study. (3-0) Independent study on a particular subject area in chemistry. The specific study area, resource material, goals, and achievements will be approved by the instructor. May be repeated once for additional credit. Prerequisites: CHEM 2142/2342, 3410, and permission of instructor.
- 4375 Biochemistry. (3-0) Course provides Chemistry majors and minors with an overview of biochemistry topics. Topics include a description of the structure and function of proteins, enzymes, nucleic acids, lipids and carbohydrates. Students may not receive credit for both CHEM 3375 and CHEM 4375. Prerequisites CHEM 2342 with C or better.
- 4385 Metabolism. (3-0) A study of the biodegradation and biosynthesis of carbohydrates, lipids, amino acids, proteins, and nucleic acids. Prerequisite: CHEM 2342 with a grade of "C" or higher.
- 4390 Supramolecular Chemistry. (3-0) This course is designed to be a survey of the nature of non-covalent interactions between host and guest species. Emphasis will be focused on the rational design of hosts, thermodynamic and kinetic parameters involved in binding and the applications of various binding/recognition phenomena. Prerequisite: CHEM 2342 with a grade of "C" or higher.
- 4481 Advanced Biochemistry Lab I. (2-8) The first of two laboratory courses providing instruction in the modern techniques of biochemistry. Experiments are performed on the isolation, manipulation and characterization of DNA, RNA and proteins. Students will prepare formal written reports and oral presentations. Prerequisites: CHEM 3275 with a grade of "C" or higher; CHEM 3380. (WI)

4482 Advanced Biochemistry Lab II. (2-8) The second of two laboratory courses providing instruction in the modern techniques of biochemistry. Experiments are performed on the isolation, manipulation and characterization of DNA, RNA, and proteins. Students will use their results and the scientific literature to prepare formal written reports and oral presentations. Prerequisite: CHEM 4481. (WI)

Department of Computer Science

Nueces Building, Room 247
T: 512.245.3409 F: 512.245.8750
www.cs.txstate.edu

DEGREE PROGRAMS OFFERED

BA, major in Computer Science
BA, major in Computer Science (with Teacher Certification)
BS, major in Computer Science
BS, major in Computer Science
(with concentration in Computer Engineering)
BS, major in Computer Science (with Teacher Certification)

MINOR OFFERED

Computer Science

CERTIFICATE OFFERED

Computer Science

Mission Statement

The Department of Computer Science mission is to advance the knowledge of computer science and technology through education, research, and service for the betterment of industry, government, and society.

Vision Statement

The department seeks to become a competitive doctoral-granting department and to expand its depth and breadth in the research and study of applied computing.

Computer Science Goals

1. Graduating students with strong technical backgrounds and communication skills.
2. Graduating students who understand the values and requirements of responsible professionalism and lifelong learning.
3. Building a sustainable research program.
4. Developing international visibility for our research.
5. Providing quality service to the university, the profession, and the community.

Overview

The Department of Computer Science offers two degree options for students—a Bachelor of Arts (BA) or a Bachelor of Science (BS). The Bachelor of Science degree program in

Computer Science is accredited by the Computing Accreditation Commission of ABET, Inc.

The department offers courses in computer architecture, data structures and algorithms, automata theory, compilers, operating systems, object-oriented design and implementation, Web programming, software engineering, computer graphics, computer networks, distributed systems, computer security, digital forensics, database design, data mining, machine learning, human computer interaction, artificial intelligence, and several programming languages including C, C++, Java, Assembly, LISP, HTML, Perl, PHP, and JavaScript.

Computer Science graduates can further their studies in graduate schools or seek employment in industry, such as, hardware manufacturing; software development; computer applications in the petroleum, aerospace, and chemical industries; and secondary school teaching.

Certificate in Computer Science

Additionally, for persons who already hold a baccalaureate degree, the department offers a Certificate in Computer Science. Refer to the Texas State graduate catalog for more information.

Secondary Teacher Certification

Students may pursue teacher certification in Computer Science for Texas public schools grades 8-12 through a BA or BS degree. Students interested in certification are strongly encouraged to see an academic advisor early in their undergraduate program or certification process. A student also may elect initial or additional certification as a post-baccalaureate or graduate student. Post-baccalaureate students should contact the Office of Educator Preparation for initial consultation. Students seeking initial teacher certification must complete 21 hours of the professional sequence courses under the College of Education: CI 3325, CI 4332, CI 4370, CI 4343, RDG 3323, and EDST 4681 (Student Teaching).

Admission to Teacher Education

Students who want to be certified to teach in Texas accredited schools should follow the curriculum sequence outlined by their major departments or colleges. The students should contact an academic advisor who will help plan schedules that will lead to graduation as well as certification. Students are encouraged to join student organizations related to the teaching profession.

The following criteria must be satisfied for admission to any teacher education program:

1. Junior standing (minimum 60 hours completed)
2. An overall Texas State GPA of 2.50 or higher
3. Texas Higher Education Assessment (THEA) scores of at least 220 in writing, and 230 in reading and mathematics or documentation of exemptions or equivalencies
4. Completion of the mathematics and science formative assessments
5. College level skills in reading, oral and written communication, critical thinking, and mathematics
 - o Reading: Successful completion of PHIL 1305/1320 or its equivalent

- o Oral Communication: Successful completion of COMM 1310 or its equivalent
- o Written Communication: Grades of C or higher in ENG 1310 and 1320 or their equivalents
- o Critical Thinking: Successful completion of PHIL 1305/1320 or its equivalent
- o Mathematics: Successful completion of the mathematics requirement in the selected major (MATH 1317 or 1319 or 2417 or 2471)

Second Teaching Field in Computer Science

For students who are seeking teacher certification in their major but would like a second teaching field in Computer Science for Texas public schools (grades 8-12), the requirements are: CS 1308, 1428, 2308, 2318, 3358, and 12 hours CS electives of which 9 hours must be advanced (3000-4000 level).

Bachelor of Arts Major in Computer Science Minimum required: 120 semester hours							
General Requirements: <ol style="list-style-type: none"> 1. A minimum of 120 hours is required for graduation. Of those hours, 9 hours must be writing intensive and 36 hours must be advanced. Advanced courses are numbered 3000-4000 level. 2. A minimum of 46 hours must be completed in the general education core. Refer to the University College section of this catalog for additional information about general education core curriculum requirements. 3. Computer Science majors must take eight hours (2 courses) from: BIO 1430 & 1431; PHYS 1410 & 1420 [or 1430 & 2425]; CHEM 1141 and 1341, plus 1142 and 1342; or GEOL 1410 & 1420. The eight hours (2 courses) must be from the same science (BIO, CHEM, GEOL, or PHYS) as listed above. 4. MATH 2417 or 2471 may substitute for the MATH 1317, 1319, 1329, or 2321 requirement. 5. Students pursuing the BA degree are required to complete 6 hours of modern language (2310 and 2320) in the same modern language. Most students will have to complete 1410 and 1420 as prerequisites before attempting 2310. 6. Students pursuing the BA degree are required to complete an additional 3 hours of English literature in addition to the core curriculum English literature requirement. Students may select from ENG 2310, 2320, 2340, 2359, 2360, ENG 3303 (Technical Writing), or ENG 3311 (Writing for the Computer Industry) to fulfill this requirement. 7. Computer Science majors must complete a CS project course from: CS 3468, 4326, or 4398. 8. A minor is required, and it is recommended that it be chosen in consultation with the academic advisor. 9. The minimum number of hours required for the degree is 120. The number of free electives a student will complete varies, depending on the number of hours needed to satisfy the 120 and/or the 36 advanced or 9 hours writing intensive requirements. Students should consult with the academic advisor before enrolling in any free elective courses to ensure that electives are needed. 							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CS 1428	4	CS 2308	3	CS 2315	3	CS 3358	3
MATH 1317, 1319, 1329, or 2321 (see gen. req. 4)	3	MATH 2358	3	CS 2318	3	CS 2420	4
US 1100	1	Science (see gen. req. 3)	4	MATH 3398	3	Modern Language 1420	4
ENG 1310	3	ENG 1320	3	Modern Language 1410 (see gen. req. 5)	4	Science (see gen. req. 3)	4
COMM 1310	3	PHIL 1305 or 1320	3	ENG Lit 2310, 2320, 2330, 2340, 2359, 2360	3		
PFW one course	1						
Total	15	Total	16	Total	16	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CS 3398	3	CS Advanced Elective	3	CS 4354	3	CS Advanced Elective	3
Second ENG Lit 2310, 2320, 2330, 2340, 2359, 2360 or 3303 or 3311 (see gen. req. 6)	3	Modern Language 2320	3	CS Project (CS 3468, 4326, or 4398)	3	CS Advanced Elective	3
Modern Language 2310	3	Minor (see gen. req. 8)	3	Minor (see gen. req. 8)	3	Minor (see gen. req. 8)	3
Minor (see gen. req. 8)	3	ART, DAN, MU, or TH 2313	3	Social Science ANTH 1312, ECO 2301, ECO 2314, GEO 1310, SOCI 1310, PSY 1300	3	POSI 2320	3
HIST 1310	3	HIST 1320	3	POSI 2310	3		
		PFW (one course)	1				
Total	15	Total	16	Total	15	Total	12

Bachelor of Arts
Major in Computer Science
(with Teacher Certification)
Minimum required: 129 semester hours

General Requirements:

1. A minimum of 129 hours will be completed for students pursuing teacher certification. Of those hours, 9 hours must be writing intensive, and 36 hours must be advanced. Advanced courses are 3000-4000 level courses.
2. A minimum of 46 hours must be completed in the general education core. Refer to the University College section of this catalog for additional information about general education core curriculum requirements.
3. Computer Science majors must take eight hours (2 courses) from: BIO 1430 & 1431; PHYS 1410 & 1420 [or 1430 & 2425]; CHEM 1141 and 1341, plus 1142 and 1342; or GEOL 1410 & 1420. The eight hours (2 courses) must be from the same science (BIO, CHEM, GEOL, or PHYS) as listed above.
4. MATH 2417 or 2471 may substitute for the MATH 1317, 1319, 1329, or 2321 requirement.
5. Students pursuing the BA degree are required to complete 6 hours of language (2310 and 2320) in the same modern language. Most students will have to complete 1410 and 1420 as prerequisites before attempting 2310.
6. Students pursuing the BA degree are required to complete an additional 3 hours of English literature in addition to the core curriculum English requirement. Students may select from ENG 2310, 2320, 2330, 2340, 2359, 2360, ENG 3303 (Technical Writing), or ENG 3311 (Writing for the Computer Industry) to fulfill this requirement.
7. Computer Science majors must complete a CS project course from: CS 3468, 4326, or 4398.
8. A minor is required. Students seeking teacher certification will automatically satisfy a minor in Secondary Education when they successfully complete the 21 hours of Professional Education sequence of courses under the College of Education (CI 3325, 4332, 4370, 4343, RDG 3323, and EDST 4681-Student Teaching).
9. The minimum number of hours required for the degree is 129 so in most cases, a student pursuing teacher certification in CS will not need to complete additional elective courses. Students should consult with the academic advisor before enrolling in any free elective courses.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CS 1428	4	CS 2308	3	CS 2315	3	CS 3358	3
MATH 1317, 1319, 1329, or 2321 (see gen. req. 4)	3	MATH 2358	3	CS 2318	3	CS 2420	4
US 1100	1	Science (see gen. req. 3)	4	MATH 3398	3	Modern Language 1420	4
ENG 1310	3	ENG 1320	3	Modern Language 1410 (see gen. req. 5)	4	Science (see gen. req. 3)	4
COMM 1310	3	PHIL 1305 or 1320	3		3		
PFW one course	1						
Total	15	Total	16	Total	13	Total	15

Sophomore Year - Summer I		Sophomore Year - Summer II		Junior Year - 1st Semester		Junior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG Lit 2310, 2320, 2330, 2340, 2359, 2360	3	ART, DAN, MU, or TH 2313	3	CS 3398	3	CS Advanced Elective	3
HIST 1310	3	HIST 1320	3	Second ENG Lit 2310, 2320, 2330, 2340, 2359, 2360	3	CS Advanced Elective	3
				CS 4354	3	CS Project Course CS 3468, 4326, 4398	3-4
				Modern Language 2310	3	Modern Language 2320	3
				CI 3325	3	CI 4332	3
Total	6	Total	6	Total	15	Total	15

Junior Year - Summer I		Junior Year - Summer II		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
POSI 2310	3	POSI 2320	3	CS Advanced Elective	3	EDST 4681 (Student Teaching)	6
Social Science ANTH 1312, ECO 2301, ECO 2314, GEO 1310, SOCI 1310, PSY 1300	3	PFW (one course)	1	CI 4370	3		
				CI 4343	3		
				RDG 3323	3		
Total	6	Total	4	Total	12	Total	6

Bachelor of Science
Major in Computer Science
Minimum required: 120 semester hours

General Requirements:

1. A minimum of 120 hours is required for graduation. Of those, 9 hours must be writing intensive and 36 hours must be advanced. Advanced courses are 3000-4000 level courses.
2. A minimum of 46 hours must be completed in the general education core. Refer to the University College section of this catalog for additional information about general education core curriculum requirements.
3. Computer Science majors must take sixteen hours (4 courses) from: BIO 1430 & 1431; PHYS 1410 & 1420 [or 1430 & 2425]; CHEM 1141 and 1341, plus 1142 and 1342; or GEOL 1410 & 1420. Eight hours (2 courses) must be from the same science (BIO, CHEM, GEOL, or PHYS) as listed above.
4. A minor is required, and it is recommended that it be chosen in consultation with the academic advisor.
5. Students pursuing the BS are required to complete a total of 17 hours in mathematics. Due to the number of Mathematics hours a student completes, a Mathematics minor is recommended because a student only needs to complete additional advanced MATH electives to satisfy the minor in mathematics.
6. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of language taken in high school, then two semesters of the same modern language must be taken at the college level.
7. Students pursuing the BS degree are required to complete an additional 3 hours of English literature in addition to the core curriculum English requirement. Students may select from ENG 2310, 2320, 2330, 2340, 2359, 2360, ENG 3303 (Technical Writing), or ENG 3311 (Writing for the Computer Industry) to fulfill this requirement.
8. Computer Science majors must complete one CS project course from: CS 3468, 4326, or 4398.
9. The minimum number of hours required for the degree is 120, so the number of free electives a student will complete will vary depending on the number of hours a student may need to achieve the 120 and/or the 36 advanced or 9 hours writing intensive requirements. Students need to consult with the academic advisor before enrolling in any free elective courses.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CS 1428	4	CS 2308	3	CS 2315	3	CS 3358	3
MATH 2358		MATH 2471	4	CS 2318	3	CS 2420	4
US 1100	3	ENG 1320	3	MATH 3398	3	MATH 2472	4
ENG 1310	1	PHIL 1305 or 1320	3	Science (see gen. req. 3)	4	Science (see gen. req. 5)	4
COMM 1310	3	Social Science ANTH 1312, ECO 2301, ECO 2314, GEO 1310, SOCI 1310, PSY 1300	3	ENG Lit 2310, 2320, 2330, 2340, 2359, 2360	3		
PFW one course	1						
Total	15	Total	16	Total	16	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CS 3398	3	CS 3339	3	CS 4354	3	CS Advanced Elective	3
CS Elective	3	CS Advanced Elective	3	CS Project Course CS 3468, 4326, 4398 (see gen. req. 8)	3-4	CS Advanced Elective	3
Second ENG Lit 2310, 2320, 2330, 2340, 2359, 2360 (see gen. req. 7)	3	MATH 3305	3	POSI 2310	3	Minor (see gen. req. 4)	3
Science (see gen. req. 3)	4	Science (see gen. req. 3)	4	ART, DAN, MU, or TH 2313	3	POSI 2320	3
HIST 1310	3	HIST 1320	3			Elective (see gen. req. 9)	0-1
		PFW one course	1				12-13
Total	16	Total	17	Total	12-13	Total	

Bachelor of Science
Major in Computer Science
(with Concentration in Computer Engineering)
Minimum required: 120 semester hours

General Requirements:

1. A minimum of 121 hours is required for graduation. Of those, 9 hours must be writing intensive and 36 hours must be advanced. Advanced courses are 3000-4000 level courses.
2. A minimum of 46 hours must be completed in the general education core. Refer to the University College section of this catalog for additional information about general education core curriculum requirements.
3. Computer Science majors must take sixteen hours (4 courses) from: BIO 1430 & 1431; PHYS 1410 & 1420 [or 1430 & 2425]; CHEM 1141 and 1341, plus 1142 and 1342; or GEOL 1410 & 1420. Eight hours (2 courses) must be from the same science (BIO, CHEM, GEOL, or PHYS) as listed above.
4. A minor is required, and it is recommended that it be chosen in consultation with the academic advisor.
5. Students pursuing the BS are required to complete a total of 17 hours in mathematics. Due to the number of mathematics hours a student completes, a mathematics minor is recommended because a student only needs to complete additional advanced MATH electives to satisfy the minor in mathematics.
6. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of language taken in high school, then two semesters of the same modern language must be taken at the college level.
7. Students pursuing the BS degree are required to complete an additional 3 hours of English literature in addition to the core curriculum English requirement. Students may select from ENG 2310, 2320, 2330, 2340, 2359, 2360, ENG 3303 (Technical Writing), or ENG 3311 (Writing for the Computer Industry) to fulfill this requirement.
8. Computer Science majors must complete one CS project course from: 4326 or 4398.
9. The concentration in computer engineering consists of EE 2400, CS 3468, and two courses chosen from CS 4310, CS 4318, CS 4328, or CS 4388.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CS 1428	4	CS 2308	3	CS 2315	3	CS 3358	3
MATH 2358		MATH 2471	4	CS 2318	3	CS 2420	4
US 1100	3	ENG 1320	3	MATH 3398	3	MATH 2472	4
ENG 1310	1	PHIL 1305 or 1320	3	Science (see gen. req. 3)	4	Science (see gen. req. 5)	4
COMM 1310	3	Social Science ANTH 1312, ECO		ENG Lit 2310, 2320, 2330, 2340, 2359,			
PFW one course	3	2301, ECO 2314, GEO 1310,		2360	3		
	1	SOCI 1310, PSY 1300	3				
Total	15	Total	16	Total	16	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CS 3398	3	CS 3339	3	CS 4354	3	Two of CS 4310, 4318, 4328,	
EE 2400	4	CS 3468	4	CS Project Course CS 4326 or		or 4388	6
Second ENG Lit 2310, 2320, 2330,		MATH 3305	3	4398 (see gen. req. 8)	3	Minor (see gen. req. 4)	3
2340, 2359, 2360 (see gen. req. 7)	3	Science (see gen. req. 3)	4	HIST 1320	3	POSI 2320	3
Science (see gen. req. 3)	4	HIST 1310	3	ART, DAN, MU, or TH 2313	3		
POSI 2310	3	PFW one course	1				
Total	17	Total	18	Total	12	Total	12

**Bachelor of Science
Major in Computer Science
(with Teacher Certification)
Minimum required: 129 semester hours**

General Requirements:

1. A minimum of 129 hours is required for graduation. Of those hours, 9 hours must be writing intensive hours, and 36 must be advanced. Advanced courses are 3000-4000 level courses.
2. A minimum of 46 hours must be completed in the general education core. Refer to the University College section of this catalog for general education core curriculum requirements.
3. Computer Science majors must take sixteen hours (4 courses) from: BIO 1430 & 1431; PHYS 1410 & 1420 [or 1430 & 2425]; CHEM 1141 and 1341, plus 1142 and 1342; or GEOL 1410 & 1420. Eight hours (2 courses) must be from the same science (BIO, CHEM, GEOL, or PHYS) as listed above.
4. A minor is required. Students seeking teacher certification automatically satisfy a minor in Secondary Education when they successfully complete the 21 hours of Professional Education sequence of courses under the College of Education (CI 3325, CI 4332, CI 4343, RDG 3323, and EDST 4681—Student Teaching).
5. Students pursuing the BS are required to complete a total of 17 hours in mathematics.
6. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level.
7. Students pursuing the BS degree are required to complete an additional 3 hours of English literature in addition to the core curriculum English requirement. Students may select from ENG 2310, 2320, 2330, 2340, 2359, 2360, ENG 3303 (Technical Writing), or ENG 3311 (Writing for the Computer Industry) to fulfill this requirement.
8. Computer Science majors must complete one CS project course from: CS 3468, 4326, or 4398.
9. The minimum number of hours required for the degree is 129 so in most cases, a student pursuing teacher certification will not need to complete additional elective courses. Students should consult with the academic advisor before enrolling in any free elective courses.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CS 1428	4	CS 2308	3	CS 2315	3	CS 3358	3
MATH 2358	3	MATH 2471	4	CS 2318	3	CS 2420	4
US 1100	1	ENG 1320	3	MATH 3398	3	MATH 2472	4
ENG 1310	3	PHIL 1305 or 1320	3	Science (see gen. req. 3)	4	Science (see gen. req. 3)	4
COMM 1310	3	Social Science ANTH 1312, ECO 2301, ECO 2314,		ENG Lit ENG 2310, 2320, 2330, 2340,			
PFW one course	1	GEO 1310, SOCI 1310, PSY 1300	3	2359, 2360	3		
Total	15	Total	16	Total	16	Total	15

Sophomore Year - Summer I		Sophomore Year - Summer II		Junior Year - 1st Semester		Junior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 1310	3	HIST 1320	3	CS 3398	3	CS 3339	3
POSI 2310	3	POSI 2320	3	CS 4354	3	CS Advanced Elective	3
				CI 4332	3	CS Project Course (see gen. req. 5)	3
				Second ENG Lit (see gen. req. 7) or 3303 or 3313	3	CI 3325	3
				Science (see gen. req. 3)	3	Science (see gen. req. 4)	4
Total	6	Total	6	Total	4	Total	16
					16		

Junior Year - Summer I		Junior Year - Summer II		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CS Advaned Elective	3	ART, DAN, MU, or TH 2313	3	CI 4370	3	EDST 4681 (Student Teaching)	6
CS Advanced Elective	3	PFW one course	1	CI 4343	3		
				RDG 3323	3		
				MATH 3305	3		
Total	6	Total	4	Total	12	Total	6

Minor in Computer Science

A minor in Computer Science consists of CS 1428, 2308, 2318, 2420, 3358, at least six advanced CS hours, plus MATH 2358 and 3398.

Courses in Computer Science (CS)

- 1308 (COSC 1300) Computer Literacy and the Internet. (2-2) A study of the uses of computers and their effects on society. Text processing, spreadsheets, databases, and Web programming. Does not count for computer science credit towards a minor, a BS, or a BA in computer science.
- 1319 Fundamentals of Computer Science. (3-0) Provides fundamental knowledge of the six layers of computer science as per the ACM CS0 curriculum. The information, hardware, programming, operating system, applications, and communications layers are presented plus appropriate open computer laboratory exercises. Does not count for computer science credit towards a minor, BS, or BA in computer science.
- 1428 (COSC 1415) Foundations of Computer Science I. (3-2) Introductory course for computer science majors, minors and others desiring technical introduction to computer science. Contains overview of history and structure of the digital computer, including binary data representation. Problem solving, algorithm development, structured programming, good coding style, and control structures of C++ are emphasized. Prerequisite or co-requisite: MATH 1315.
- 2308 (COSC 2320) Foundations of Computer Science II. (3-0) Fundamentals of object-oriented programming. Introduction to abstract data types (ADTs) including lists, stacks, and queues. Searching and sorting. Pointers and dynamic memory allocation. A continuation of CS 1428. Prerequisite: C or higher in CS 1428.
- 2315 Computer Ethics. (3-0) Primarily for computer science majors, focusing on the ethical codes of the professional societies, the philosophical bases of ethical decision-making, and the examination of several contemporary case studies. Prerequisites: CS 1428, ENG 1310, COMM 1310, and PHIL 1305 with grades of C or higher. (WI)
- 2318 (COSC 2325) Assembly Language. (3-0) A course covering the organization of digital computers; assembly language programming including addressing, looping, logic, shifting and masking operations, macros, subroutines, co-routines, arithmetic algorithms, and recursion. Prerequisite: MATH 2358 with a grade of C or higher. Prerequisite or Co-requisite: CS 2308 with a grade of C or higher.
- 2358 (COSC 2315) Introduction to Data Structures. (3-0) A course covering classic data structures and an introduction to object-oriented development. Prerequisite: CS 2308 with a grade of C or higher. Co-requisite: MATH 3398.
- 2378 Topics in Computer Science. (3-0) Selected topics in computer science. May be repeated with different emphasis for additional credit. Prerequisite: Consent of instructor.
- 2388 Internet Programming on the World Wide Web. (3-0) An introductory course covering Web page construction using HTML and JavaScript. Does not count for computer science credit towards a minor, BS, or BA in computer science.
- 2420 Digital Logic. (3-2) An introduction to fundamental computer technologies, including Boolean logic design, logic circuits and devices, and basic computer hardware. A laboratory providing hands-on experience with electricity, combinational and sequential digital circuits, and computer hardware. Prerequisite: C or higher in CS 1428.
- 2428 Applications Programming in Visual Basic. (3-2) A self-contained programming course using Visual Basic. Does not count for computer science credit towards a BS in computer science.
- 3320 Internet Software Development. (3-0) A course providing foundations for the construction and design of static and dynamic Web pages with database applications. This will include server-side and client-side software development. Prerequisite: C or higher in CS 2308 or consent of instructor.
- 3339 Computer Architecture. (3-0) Use of fundamental hardware components. Topics include ALU's, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory and related performance issues. Prerequisites: (CS 2420 or EE 2420), (CS 2315 or EE 2400), and (CS 2318 or EE 3420) with grades of C or higher.
- 3358 Data Structures. (3-0) A course covering classic data structures and an introduction to object-oriented development. Prerequisite: CS 2308 with a grade of C or higher. Prerequisite or Co-requisite: MATH 3398 with a grade of C or higher.
- 3378 Theory of Automata. (3-0) An introduction to automata theory, computability, and formal languages. Prerequisite: CS 3358 with a grade of C or higher.
- 3398 Software Engineering. (3-0) The study of software design, implementation, and validation techniques through team projects. Structured analysis, programming style, and project documentation are emphasized in large software projects. Prerequisites: (CS 2315 or EE 2400) and CS 3358 with grades of C or higher. (WI)
- 3468 Embedded Computer Systems. (3-2) Studies the architecture of embedded systems, micro-controllers, their peripherals, languages, and operating systems and the special techniques required to use them. Prerequisites: C or higher in CS 2318 and CS 2420.
- 4100 Computer Science Internship. (0-20) Provides on-the-job training supervised by computer scientists in industry internship programs approved by the department. Prerequisite: CS majors and minors only.
- 4298 Undergraduate Research I. (1-2) Supervised individual research project in a mentor-student relationship with a computer science faculty member. Cannot be given degree credit until the satisfactory completion of CS 4299. Prerequisites: Junior standing; major GPA of 3.00; departmental approval.
- 4299 Undergraduate Research II. (1-2) Supervised individual research projects in a mentor-student relationship with a computer science faculty member. Prerequisites: CS 4298 and departmental approval.
- 4310 Computer Networks. (3-0) A survey of network architectures and their components. Emphasis will be on media access, network and transport layer protocols. Prerequisite: CS 3358 with a grade of C or higher.
- 4318 Program Translators. (3-0) A study of computer languages, data structures, algorithms, and theory used in constructing compilers and other program translators. Prerequisite: CS 3358 with a grade of C or higher.

- 4326 Human Factors of Computer Systems. (3-0) Principles and methods in human factors and ergonomics applied to the design and use of computer systems. Prerequisite: CS 3358 with a grade of C or higher. (WI)
- 4328 Operating Systems. (3-0) Principles of operating systems. Algorithms for CPU scheduling, memory management, cooperating sequential processes and device management. Prerequisites: (CS 2318 or EE 3420) and CS 3358 with a grade of C or higher.
- 4332 Introduction to Database Systems. (3-0) Introduction to database concepts, data models, file structures, query languages, database management systems. Prerequisite: CS 3358 with a grade of C or higher.
- 4335 Digital Signal Processing. (3-0) The course will introduce the techniques of discrete-time systems, Z transform analysis, and filter design techniques, including lab programming with National Instruments LabVIEW and TI signal processors. Prerequisites: MATH 2472 and CS 3358 with grades of C or higher.
- 4346 Introduction to Artificial Intelligence. (3-0) An introduction to the basic concepts of artificial intelligence; search techniques, knowledge representation, problem solving. Prerequisite: CS 3358 with a grade of C or higher.
- 4350 Unix Systems Programming. (3-0) Fundamentals of Unix operating systems, Unix file system and environment, C memory allocation, development tools, processes and signals, threads, device drivers, and programming for security. Prerequisite: CS 3358 with a grade of C or higher.
- 4354 Object-Oriented Design and Implementation. (3-0) An in-depth study of object-oriented design and implementation issues with emphasis on understanding the life cycle of object-oriented software, Unified Modeling Language, inheritance and polymorphism, designing remote and persistent objects, and exception handling. In-depth study of Java object-oriented language. Java will be used for implementing the exercises. Prerequisite: CS 3398.
- 4368 Survey of Computer Languages. (3-0) A survey of computer languages. Criteria for choosing languages to be covered include history, important development paradigms and environments, and language implementations. Prerequisite: CS 3358 with a grade of C or higher.
- 4371 Computer System Security. (3-0) Course covers practical aspects of computer system security including managing and producing code for secure systems. Theory, such as cryptography, is introduced as needed. Prerequisite: CS 3358 with a grade of C or higher.
- 4378 Special Topics in Computer Science. (3-0) Selected topics in computer science. May be repeated with different emphasis for additional credit. Prerequisite: Consent of instructor.
- 4378P Introduction to Digital Multimedia. (3-0) Concepts, problems and techniques in digital multimedia. Topics include digital representation of video and data compression. Applications, primarily in education and business presentations, and new and potential capabilities, such as video on demand and virtual reality. Prerequisite: Grade of C or higher in CS 3358.
- 4378U Data Mining. (3-0) An introduction to data mining techniques including classification and predication as well as cluster analysis. Students will be familiarized with fields which data mining draws from like database technology, artificial intelligence, machine learning, and neural networks. Prerequisite: CS 3358.
- 4378V Introduction to Machine Learning. (3-0) Provides systematic introduction to machine learning, covering basic theoretical as well as practical aspects of the use of machine learning methods. Topics include learning theory, learning methods, recent learning models, etc. Application examples include multimedia information retrieval, text recognition, computer vision, etc. Prerequisite: CS 3358 grade of C or higher.
- 4378W Introduction to Human Computer Interaction (HCI). (3-0) Introduces HCI topics specifically highlighted by new input modalities such as eye-tracking. Considers new input modalities as new channels for data gathering including multimedia compression, interface design, usability evaluation, biometrics. Application of HCI as interdisciplinary research tool also will be discussed. Prerequisite: CS 3358 with grade of C or higher.
- 4378Y Forensic Systems. (3-0) This course is a survey of computing systems as tools and as targets in investigations, including technical and legal issues and investigative procedures in both civil and criminal domains, ethical issues, software tools for evidence discovery and gathering, and case studies. Prerequisite: CS 4350 or consent of instructor.
- 4388 Computer Graphics. (3-0) A study of the hardware and software used in graphic representation and interpretation of data. Prerequisites: CS 3358 with a grade of C or higher and familiarity with trigonometric functions.
- 4395 Independent Study in Computer Science. (3-0) Open to undergraduate students on an independent basis by arrangement with the faculty member concerned. Requires department chair approval. Repeatable for credit with different emphasis.
- 4398 Software Engineering Project. (3-0) Students undertake a software development project. They work in teams, developing requirements and designs which they will implement and test. Prerequisite: CS 3398 with a grade of C or higher.

Ingram School of Engineering

Roy F. Mitte Building, Room 5202

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DEGREE PROGRAMS OFFERED

BS, major in Electrical Engineering

BS, major in Electrical Engineering

(with Computer Engineering Specialization)

BS, major in Industrial Engineering

BS, major in Manufacturing Engineering

The BS with a major in Electrical Engineering provides students the background that is essential for the conception, design, development, and manufacture of electrical, electronic and information technology products and systems. Students may specialize in the areas of networks and communication systems, micro and nano devices and systems, or computer engineering. Proficiency in mathematics is especially important in Electrical Engineering. In order to be admitted to the EE program, a student needs to be qualified to take MATH 2417 or higher.

The BS with a major in Industrial Engineering provides students the background that is essential for improving the productivity, quality, safety, and cost effectiveness of all types of systems and processes. Industrial engineers are typically engaged in the areas of quality assurance, ergonomics, production and operations management, facilities design, work design, system optimization, information technology, and industrial safety.

The BS with a major in Manufacturing Engineering is designed to provide students with the mathematics, science, management, engineering, and applications skills needed to become manufacturing engineers. These engineers are typically responsible for promoting manufacturability, process planning, tool design, cost estimation, factory layout, work methods, quality assurance, automation, and systems integration. The degree has a concentration in general manufacturing or semiconductor/high technology manufacturing.

For information on engineering technology, industrial technology, or the 3/2 pre-engineering option in physics, please see the Departments of Engineering Technology and Physics sections of this catalog.

Mission Statement

The mission of the Ingram School of Engineering is:

1. To provide students with an exceptional education in various disciplines of engineering,
2. To establish, through dedicated faculty, a nationally recognized research program, preparing interested students to achieve excellence in graduate studies and research, and
3. To serve the State of Texas and the nation by creating highly skilled, diverse, and motivated professionals capable of technological innovation and dedicated to the improvement of society.

Vision Statement

The Ingram School of Engineering will be a nationally recognized institution of higher education, serving students and employers with a complete set of accredited engineering programs supported by a faculty which maintains high standards of teaching, research, and service. To accomplish this vision, we will:

1. Engage undergraduate and graduate students with innovative, multidisciplinary, and nationally recognized funded research programs,
2. Emphasize quality undergraduate and graduate education using a practical, interactive, and contemporary learning environment,
3. Produce first-generation professional college graduates as part of an HSI-designated university; be recognized for exceptional community service; and create tight bonds with alumni who will serve as professional mentors, sponsors, and advisors.
4. Promote a student-centered culture based on collegiality, scholarship, enthusiasm, integrity, and mutual respect among diverse faculty, staff, and students.

Bachelor of Science
Major in Electrical Engineering
(with Micro and Nano Devices and Systems Specialization)
Minimum required: 137 semester hours

General Requirements:

1. In order to declare Electrical Engineering as a major, students must meet one of the following prerequisites: ACT Math score of 24 or higher, SAT Math score of 520 (re-centered) or higher, or credit for one of the following math courses with a grade of "C" or higher: MATH 1315, 1317, 1319, or 1329. Students who do not meet the above prerequisites may choose Pre- Electrical Engineering as their major. Pre- Electrical Engineering students who complete one of the following math courses with a grade of "C" or higher may declare Electrical Engineering as their major: MATH 1315, 1317, 1319, or 1329.
2. All Electrical Engineering majors must complete Electrical Engineering (EE) course prerequisites with a grade of "C" or higher.
3. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
4. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 2471; natural science- CHEM 1341/1141 and PHYS 1430; and social science- ECO 2301. See the University College section of this catalog for the English literature requirements.
5. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Freshman Year - Summer I		Freshman Year - Summer II	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1341, 1141	4	PHYS 1430	4	HIST 1320	3	PHIL 1305 or 1320	3
HIST 1310	3	ENGR 2300	3	PFW one course	1	ENG Literature (see gen. req. 2)	3
MATH 2471	4	MATH 2472	4				
US 1100	1	ENG 1320	3				
ENG 1310	3						
Total	15	Total	14	Total	4	Total	6

Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester		Sophomore Year - Summer Session		Junior Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
EE 2400	4	EE 2420	4	COMM 1310	3	EE 3400	4
MATH 3323	3	MATH 3375	3	POSI 2310	3	EE 3340	3
MATH 3373	3	MATH 3377	3	PFW one course	1	ENGR 3315	3
PHYS 2425	4	PHYS 2435	4	Total	7	IE 3320	3
ECO 2301	3	CS 1428	4			POSI 2320	3
Total	17	Total	18			Total	16

Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr
EE 3420	4	EE 4350	3	EE 4355 or TECH 4394	3
EE 3350	3	EE 4352	3	EE 4358	3
EE 3355	3	EE 4390	3	EE 4391	3
EE 3370	3	TECH 4392	3	MFGE 4376	3
ART, DAN, MU, or TH 2313	3				
Total	16	Total	12	Total	12

Bachelor of Science
Major in Electrical Engineering
(with Networks and Communication Systems Specialization)
Minimum required: 137 semester hours

General Requirements:

1. In order to declare Electrical Engineering as a major, students must meet one of the following prerequisites: ACT Math score of 24 or higher, SAT Math score of 520 (re-centered) or higher, or credit for one of the following math courses with a grade of "C" or higher: MATH 1315, 1317, 1319, or 1329. Students who do not meet the above prerequisites may choose Pre- Electrical Engineering as their major. Pre- Electrical Engineering students who complete one of the following math courses with a grade of "C" or higher may declare Electrical Engineering as their major: MATH 1315, 1317, 1319, or 1329.
2. All Electrical Engineering majors must complete Electrical Engineering (EE) course prerequisites with a grade of "C" or higher.
3. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
4. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 2471; natural science- CHEM 1341/1141 and PHYS 1430; and social science- ECO 2301. See the University College section of this catalog for the English literature requirements.
5. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Freshman Year - Summer I		Freshman Year - Summer II	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1341, 1141	4	PHYS 1430	4	HIST 1320	3	PHIL 1305 or 1320	3
MATH 2471	4	ENGR 2300	3	PFW one course	1	ENG Literature (see gen. req. 2)	3
US 1100	1	MATH 2472	4				
ENG 1310	3	ENG 1320	3				
HIST 1310	3						
Total	15	Total	14	Total	4	Total	6

Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester		Sophomore Year - Summer Session		Junior Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
EE 2400	4	EE 2420	4	COMM 1310	3	EE 3400	4
MATH 3323	3	MATH 3375	3	POSI 2310	3	EE 3340	3
MATH 3373	3	MATH 3377	3	PFW one course	1	ENGR 3315	3
PHYS 2425	4	PHYS 2435	4			IE 3320	3
ECO 2301	3	CS 1428	4	Total	7	POSI 2320	3
Total	17	Total	18			Total	16

Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr
EE 3420	4	EE 4350	3	EE 4372	3
EE 3350	3	EE 4370	3	EE 4374, 4376, 4378 (choose two)	6
EE 3355	3	EE 4377	3	EE 4391	3
EE 3370	3	EE 4390	3		
ART, DAN, MU, or TH 2313	3				
Total	16	Total	12	Total	12

**Bachelor of Science
Major in Electrical Engineering
(with Computer Engineering Specialization)
Minimum required: 137 semester hours**

General Requirements:

1. In order to declare Electrical Engineering as a major, students must meet one of the following prerequisites: ACT Math score of 24 or higher, SAT Math score of 520 (re-centered) or higher, or credit for one of the following math courses with a grade of "C" or higher: MATH 1315, 1317, 1319, or 1329. Students who do not meet the above prerequisites may choose Pre- Electrical Engineering as their major. Pre- Electrical Engineering students who complete one of the following math courses with a grade of "C" or higher may declare Electrical Engineering as their major: MATH 1315, 1317, 1319, or 1329.
2. All Electrical Engineering majors must complete Electrical Engineering (EE) course prerequisites with a grade of "C" or higher.
3. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
4. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 2471; natural science- CHEM 1341/1141 and PHYS 1430; and social science- ECO 2301. See the University College section of this catalog for the English literature requirements.
5. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1341, 1141	4	PHYS 1430	4	ENG Literature (see gen. req. 4)	3	EE 3420	4
CS 1428	4	CS 2308	3	MATH 2358	3	MATH 3398	3
MATH 2471	4	MATH 2472	4	EE 2400	4	MATH 3373	3
US 1100	1	ENG 1320	3	PHYS 2425	4	EE 3400	4
ENG 1310	3	EE 2420 or CS 2420	4	MATH 3323	3	CS 3358	4
PFW one course	1						
Total	17	Total	18	Total	17	Total	18

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 1310	3	HIST 1320	3	PHIL 1305	3	ART, DAN, MU, or TH 2313	3
ECO 2301	3	POSI 2310	3	POSI 2320	3	COMM 1310	3
PFW	1	CS 3339	3	CS 3398	3	EE 4391	3
CS 4328	3	EE 3370	3	EE 4372 or CS 4310	3	EE 4321, 4323, 4399C, 4399E, CS 4332,	6
EE 3350	3	EE 4352	3	EE 4377	3	4388 (choose 6 hours)	
MATH 3377	3	IE 3320	3	EE 4390	3		
Total	16	Total	18	Total	18	Total	15

Bachelor of Science
Major in Industrial Engineering
Minimum required: 135 semester hours

Industrial Engineering Mission Statement

Our mission is:

To provide an excellent and innovative educational setting to our students so they can learn and discover how complex systems work better. The IE program strives to maintain a comprehensive curriculum that enables students to become leading engineers and/or creative researchers in the global marketplace and/or in graduate studies. The program seeks to collaborate with private and public sectors in the search of methodologies and creative solutions to problems that contribute to the advancement of education, technology, and professional development. Through plans and activities that search to embrace a student population of strong diversity, the program attempts to be a significant provider of global workforce.

Industrial Engineering Educational Objectives

1. Graduates who perform as industry leaders in the global marketplace, capable of successfully planning, controlling, and implementing large-scale projects.
2. Graduates who understand and apply the principles of science, technology, engineering, and math involving industry-relevant problems.
3. Graduates who contribute to the profitable growth of industrial economic sectors by using IE analytical tools, effective computational approaches, and systems thinking methodologies.
4. Graduates who maintain high standards of professional and ethical responsibility.
5. Graduates who flourish and work effectively in diverse, multicultural environments emphasizing the application of teamwork and communication skills.
6. Graduates who practice life-long learning to sustain technical currency and excellence throughout one's career, and who promote the profession and its benefits to society.

General Requirements:

1. In order to declare Industrial Engineering as a major, students must meet one of the following prerequisites: ACT Math score of 24 or higher, SAT Math score of 520 (re-centered) or higher, or credit for one of the following math courses with a grade of "C" or higher: MATH 1315, 1317, 1319, or 1329. Students who do not meet the above prerequisites may choose Pre-Industrial Engineering as their major. Pre-Industrial Engineering students who complete one of the following math courses with a grade of "C" or higher may declare Industrial Engineering as their major: MATH 1315, 1317, 1319, or 1329.
2. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
3. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 2471; natural science- CHEM 1341/1141 and PHYS 1430; and social science- ECO 2301. See the University College section of this catalog for the English literature requirements.
4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
5. Six hours of IE electives to be chosen from: IE 4330 (fall), IE 4340 (fall); MFGE 4367 (spring), MFGE 4392 (spring), MFGE 4395 (fall); IE 4399A, IE 4399B, IE 4399C, IE 4399D.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1341, 1141	4	PHYS 1430	4	PHYS 2425	4	CS 1428	4
ENG 1310	3	ENG 1320	3	COMM 1310	3	MATH 3323	3
ENGR 1313	3	ENGR 2300	3	MATH 3377	3	MATH 3375	3
MATH 2471	4	HIST 1310	3	POSI 2310	3	ART, DAN, MU, or TH 2313	3
US 1100	1	MATH 2472	4	MFGE 2332	3	ECO 2301	3
				HIST 1320	3	POSI 2320	3
Total	15	Total	17	Total	19	Total	19

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENGR 3311	3	IE 3310	3	IE 4310	3	IE 4320	3
ENGR 3315	3	IE 3330	3	IE 3360	3	IE 4350	3
ENGR 3373	3	IE 3340	3	IE 4380	3	IE 4360	3
IE 3320	3	IE 4355	3	IE Elective (see gen. req. 5)	3	IE Elective (see gen. req. 5)	3
PHIL 1305 or 1320	3	ENG Literature (see gen. req. 3)	3	MFGE 4396	3	IE 4390	3
PFW one course	1	PFW one course	1	IE 4370	3		
Total	16	Total	16	Total	18	Total	15

Bachelor of Science
Major in Manufacturing Engineering
(with General Manufacturing Concentration)
Minimum required: 132 semester hours

Manufacturing Engineering Mission Statement

Our mission is

1. To sustain a quality, student-centered, industry-oriented engineering curriculum,
2. To attract students and prepare them with the knowledge, practical skills, and abilities to perform as highly competent engineers in the global marketplace and/or in graduate studies, and
3. To produce graduates skilled in materials and manufacturing processes; process, assembly and product engineering; manufacturing competitiveness and systems design.

Manufacturing Engineering Educational Objectives

1. Graduates who perform as engineering leaders in the global marketplace.
2. Graduates who understand and apply the principles of math, science, and engineering in design and manufacturing related activities.
3. Graduates who contribute to the profitable growth of businesses.
4. Graduates who maintain high standards of professional and ethical responsibility.
5. Graduates who practice lifelong learning.

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 2471; natural science- CHEM 1341/1141 and PHYS 1430; and social science- ECO 2301. See the University College section of this catalog for the English literature requirements.
3. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. Six hours of Manufacturing Processes elective to be chosen from: TECH 4330 (fall), MFGE 4367 (spring), or MFGE 4392 (spring).
5. Three to four hours of Math/ Science elective to be chosen from: MATH 3373, MATH 3330, PHYS 2435, PHYS 3315, or CHEM 1342 and 1142.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1341, 1141	4	PHYS 1430	4	IE 3320	3	CS 1428	4
ENGR 1313	3	ENGR 2300	3	MATH 3323	3	MATH 3375	3
MATH 2471	4	ENG 1320	3	MFGE 2332	3	MFGE 3316	3
US 1100	1	MATH 2472	4	PHYS 2425	4	ECO 2301	3
ENG 1310	3	COMM 1310	3	HIST 1310	3	HIST 1320	3
PFW one course	1			PFW one course	1		
Total	16	Total	17	Total	17	Total	16

Sophomore Year - Summer		Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MGT 3303	3	ENGR 3311	3	ENGR 3315	3	IE 3360	3
MATH 3377	3	ENGR 3373	3	IE 3330	3	MFGE 4363	3
		MFGE 4396	3	MFGE 4365	3	MFGE 4395	3
		Math/Science Elective (see gen. req. 5)	3-4	MFGE 4376	3	Manufacturing Processes (see gen. req. 4)	3
		PHIL 1305 or 1320	3	POSI 2310	3	POSI 2320	3
Total	6	Total	15-16	Total	15	Total	15

Senior Year - 2nd Semester	
Course	Hr
IE 4355	3
MGT 4330	3
Manufacturing Processes (see gen. req. 4)	3
ART, DAN, MU, or TH 2313	3
ENG Literature (see gen. req. 2)	3
Total	15

Bachelor of Science
Major in Manufacturing Engineering
(with Semiconductor Manufacturing Concentration)
Minimum required: 139 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 2471; natural science- CHEM 1341/1141 and PHYS 1430; and social science- ECO 2301. See the University College section of this catalog for the English literature requirements.
3. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. Three semester hours of Semiconductor Manufacturing elective to be chosen from: PHYS 4320 (see dept.), PHYS 4340 (see dept.), or MFGE 4394 (see dept.).
5. Three to four hours of Math/Science elective chosen from: MATH 3330, MATH 3373, PHYS 2435, PHYS 3315, or CHEM 1342 & 1142.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Freshman Year - Summer I & Summer II		Sophomore Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	ENGR 2300	3	EE 2400	4	IE 3320	3
ENGR 1313	3	MATH 2472	4	COMM 1310	3	MATH 3323	3
MATH 2471	4	PHYS 1430	4			MFGE 2332	3
US 1100	1	COMM 1310	3			PHYS 2425	4
ENG 1310	3	ENG 1320	3			HIST 1310	3
PFW one course	1					PFW one course	1
Total	16	Total	17	Total	7	Total	17

Sophomore Year - 2nd Semester		Sophomore Year - Summer		Junior Year - 1st Semester		Junior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CS 1428	4	MGT 3303	3	ENGR 3311	3	MFGE 4392	3
MATH 3375	3	MATH 3377	3	ENGR 3373	3	MFGE 4365	3
MFGE 3316	3	EE 2400	4	MFGE 4396	3	MFGE 4376	3
ECO 2301	3	PHIL 1305 or 1320	3	TECH 4374 or EE 2420	3-4	IE 3330	3
HIST 1320	3			Math/Science Elective (see gen. req. 5)	3-4	POSI 2310	3
Total	16	Total	13	Total	15-17	Total	15

Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr
IE 3360	3	Semiconductor Manufacturing Elective (see gen. req. 4)	3
MFGE 4363	3	IE 4355	3
MFGE 4395	3	ART, DAN, MU, or TH 2313	3
ENGR 3315	3	MGT 4330	3
POSI 2320	3	ENG Literature (see gen. req. 2)	3
Total	15	Total	15

Courses in Electrical Engineering (EE)

- 2400 Introduction to Electrical Engineering. (3-2) This course provides an introduction to the profession of Electrical Engineering and its specialties. Fundamental dc circuit analysis and properties of electrical components are also studied, and laboratory skills are developed. Prerequisites: MATH 2471.
- 2420 Digital Logic. (3-2) An introduction to fundamental computer technologies, including Boolean logic design, logic circuits and devices, and basic computer hardware are studied. Laboratories provide hands-on experience with electricity, combinational and sequential digital circuits, and computer hardware. Prerequisite: C or higher in CS1428.
- 3340 Fields and Waves. (3-0) Wave propagation, Maxwell's equations, transmission lines, wave guides, and antennas. Prerequisites: MATH 3373 and PHYS 2435. Corequisite: EE 3300.
- 3350 Electronics I. (3-3) Analysis and design of active device equivalent circuits with emphasis on transistors, switching circuits, and operational amplifiers. Prerequisites: EE 3300.
- 3355 Solid State Devices. (3-0) Semiconductor materials, principles of carrier motion, operating principles and circuit models for diodes, bipolar transistors and field-effect transistors. Introduction to integrated circuits. Prerequisites: EE 3300.
- 3370 Signals and Systems. (3-0) Frequency domain representation of signals and systems and frequency domain concepts for circuit analysis and design. Transfer function and frequency response, Laplace and z-transforms, Fourier series, Fourier transform, and sampling. Prerequisites: EE 3300.
- 3400 Circuit Analysis. (3-2) Analysis and design of electrical circuits, transient and steady state response, and loop and nodal analysis are covered in the course. Prerequisites: EE 2400. Corequisites: MATH 3323, and PHYS 2425.
- 3420 Microprocessors. (3-3) Introduction to microprocessors, principles of operation, assembly language programming, timing analysis, and I/O interfacing. Prerequisites: EE 2420.
- 4350 Electronics II. (3-3) Analysis and design of integrated circuits, feedback, and frequency response. Prerequisites: EE 3350.
- 4352 Introduction to VLSI Design. (3-1) Analysis of design of CMOS integrated circuits. Introduction to CAD tools for VLSI design. Prerequisites: EE3350. Co requisite: None.
- 4355 Analog and Mixed Signal Design. (3-2) Operational amplifier design applications, feedback, offset, stability, and compensation. Introduction to random signals and noise, discrete time circuitry analog-to-digital converters, and digital-to-analog converters. Prerequisites: EE 3370 and 4350.
- 4358 Introduction to Microelectromechanical Systems. (3-1) Fabrication techniques for microelectromechanical devices and systems. Introduction to the design of micromechanical transducers. Corequisite: TECH 4392.
- 4370 Communication Systems. (3-3) Transmission of signals through linear systems, analog and digital modulation, filtering, and noise. Prerequisites: EE 3300, 3370, and IE 3320.
- 4372 Communication Networks. (3-1) Data communication concepts, protocols, algorithms, 7-layer OSI model, physical media, LAN architecture and components, Ethernet, FDDI, TCP/IP, and related standards. Prerequisite: EE 2400 and EE 3420. Corequisite: None.

- 4374 Introduction to Wireless Communication. (3-1) Principles, practice, and system overview of mobile systems. Modulation, demodulation, coding, encoding, and multiple access techniques. Prerequisites: EE 4370.
- 4376 Introduction to Telecommunications. (3-1) Fundamentals of telecommunications, telephone networks, switching and transmission systems, circuit and packet switching, cell processing, and queuing theory and applications. Prerequisite: None, Co-requisite: EE 4370.
- 4377 Introduction to Digital Signal Processing. (3-1) Discrete systems, convolution, spectral analysis, and FIR and IIR filter design. Prerequisites: EE 3370.
- 4378 Data Compression and Error Control Coding. (3-2) Introduction to information theory, information content of messages, entropy and source coding, data compression, channel capacity data translation codes, and fundamentals of error correcting codes. Prerequisite: None, Corequisite: EE 4370.
- 4390 Electrical Engineering Design I. (1-3) Team-based design of a system or component, which will include oral presentations and written reports. Co-requisite: EE 4350 or EE 4352 or EE 4370.
- 4391 Electrical Engineering Design II. (1-3) Advanced team-based design of a system or component, which will include oral presentations and written reports. Prerequisites: EE 4390.
- 4399 Special Topics in Electrical Engineering. (3-0) This course will cover advanced topics that cannot be fitted into a regular course in the curriculum. Prerequisite: Faculty advisor approval.
- 4399A Dynamic Data Acquisition and Analysis. (3-0)
- 4399B Overview of Information Theory and Coding. (3-0)

Courses in Engineering (ENGR)

- 1313 Engineering Design Graphics. (2-2) An introductory communications course in the tools and techniques utilized to produce various types of working drawings. Principles of multiview projections, geometric relationships, shape and size description, and pictorial methods are included with emphasis on technical applications and design problem solving.
- 2300 Materials Engineering. (3-0) Structure, properties and behavior of engineering materials including metals, polymers, composites and ceramics. Mechanical, electrical, magnetic, thermal, and optical properties are covered. Prerequisites: MATH 1315; CHEM 1341.
- 3190 Cooperative Education. (0-1) Completion of technical/engineering practice-related special projects. Projects must relate to students' major and result in a term paper. Prerequisite: Approval of program coordinator.
- 3311 Mechanics of Materials. (3-1) This course covers the principles of mechanic materials and includes the following topics: stress and strain; elastic modulus and Poisson's ratio; constitutive equations; torsion; bending; axial, shear and bending moment diagrams; deflection of beams; and stability of columns. Prerequisite: MATH 3375.
- 3315 Engineering Economic Analysis. (3-0) Interest formulas, economic equivalence, rate of return analysis, techniques of economic analysis for engineering decisions and an introduction to cost estimation. Prerequisite: MATH 1315.
- 3360 Structural Analysis. (3-1) Structural engineering fundamentals to include design loads, reactions, force systems,

functions of a structure, and the analysis of statically determinate and indeterminate structures by classical and modern techniques. Prerequisite: ENGR 3311.

- 3373 Circuits and Devices. (3-1) DC and AC circuit analysis, network theorems, electromechanical devices, electronic devices and an introduction to amplifiers, oscillators and operational amplifiers. Prerequisite: PHYS 2425.
- 4390 Internship. (0-20) Supervised on-the-job professional learning experience in engineering and other technical areas. This course provides practical work experience in their particular field of interest.

Courses in Industrial Engineering (IE)

- 3310 Project Planning, Scheduling, and Management. (3-0) Basic principles governing the efficient and effective management of engineering projects. Topics include project planning, scheduling, and cost estimation procedures. (WI)
- 3320 Engineering Statistics. (3-1) Fundamentals of probability and statistical inference for engineering applications, probability distributions, parameter estimation, hypothesis testing, and analysis of variance. Prerequisite: MATH 2472.
- 3330 Quality Engineering. (3-0) Quality assurance systems, quality costs, statistical quality control, and approaches for engineering quality into products and processes. Prerequisite: IE 3320.
- 3340 Operations Research. (3-0) This course teaches models in operations research including linear programs, the simplex method, duality theory, sensitivity analysis, integer programs, and network flows. The emphasis is in learning to recognize, formulate, solve, and analyze practical industrial problems. The course also teaches commercial mathematical programming languages. Prerequisites: CS 1428 and MATH 2472.
- 3360 Methods Engineering and Ergonomics. (3-0) Survey of methods for assessing and improving performance of individuals and groups in organizations. Techniques include various basic industrial engineering tools, work analysis, data acquisition and application, performance evaluation and appraisal, and work measurement procedures. Prerequisite: IE 3320 or TECH 3364.
- 4310 Design of Industrial Experiments. (3-0) Experimental design for engineering applications. Topics include factorial designs, fractional factorial designs, response surface methodology, evolutionary operations, and the design of robust products and processes. Prerequisite: IE 3320.
- 4320 Integrated Production Systems. (3-0) Basic concepts in the design and control of integrated production systems to include forecasting, inventory models, material requirements planning, scheduling, planning, and shop floor control. Coverage will include both traditional and kanban systems. Prerequisite: IE 3340.
- 4330 Reliability Engineering. (3-0) Reliability of components and systems, reliability models, life testing, failure analysis, and maintainability. Prerequisite: IE 3320.
- 4340 Optimization Techniques. (3-0) Mathematical modeling and computational methods for linear, integer, and nonlinear programming problems. Prerequisite: IE 3340.
- 4350 Supply-Chain Engineering. (3-0) The analysis of supply chain problems to include facility location, customer assignment, vehicle routing, inventory management, and the role of

information and decision support systems in supply chains. Prerequisite: IE 3340.

- 4355 Facilities Planning. (3-0) Planning, design, and analysis of facilities. Emphasizes the principles and methods used for solving plant layout, facility location, material handling, automation, computer integration, and warehouse operations.
- 4360 Human Factors Design. (3-1) Capstone course emphasizing the applications of human factors engineering to systems design. Prerequisites: IE 3320; TECH 4345. (WI)
- 4370 Probabilistic Operations Research. (3-0) Probabilistic models in operations research to include queuing theory, simulation, and Markov chains. Emphasis will be placed on modeling applications to solve problems in industry and computing. Prerequisite(s): IE 3320 or MATH 3305, CS 1428.
- 4380 Industrial Safety. (3-0) This course is a survey of occupational safety and hazards control. Topics include the history of occupational safety; hazard sources related to humans, environment, and machines; and engineering management of hazards.
- 4390 Industrial Engineering Capstone Design. (3-2) Students form teams and apply industrial engineering principles to develop and implement solutions to industrial problems and/or systems engineering issues. Includes incorporation of engineering standards and realistic constraints. Prerequisite: At least two of: IE 4355, IE 3360, MFGE 4396, and IE 4370. Corequisite: At least two course from: IE 4320, IE 4350, and IE 4360.
- 4391 Industrial Engineering Capstone II. (2-3) Continuation of Capstone Design I (IE4390): Students complete implementation of solutions to industrial problems and/or systems engineering issues with realistic constraints. Prerequisites: IE4390 and at least two of: IE 4355, IE 3360, MFGE 4396, and IE 4370. Corequisites: At least two course from: IE 4320, IE 4350, and IE 4360.
- 4399 Special Topics in Industrial Engineering. (3-0) This course will cover advanced topics that cannot be fitted into a regular course in the curriculum. Prerequisite: Faculty advisor approval.
- 4399A Six Sigma Methodologies. (3-0)
- 4399B Human Computer Interaction. (3-0)

COURSES IN MANUFACTURING ENGINEERING (MFGE)

- 2132 Manufacturing Processes Lab. (0-2) Hands-on experience in variety of material removal processes such as turning, milling, drilling, and CNC machining; joining processes such as gas/arc welding, and soldering; metal casting, polymer and composite processing, and microelectronics manufacturing. Prerequisite or corequisite: MFGE 2332.
- 2332 Material Selection and Manufacturing Processes. (3-1) Overview of material processing, material selection and process parameter determination. Processes covered include: material removal, forming, casting, polymer processing, semiconductor manufacturing and assembly processes. Laboratory activities provide opportunities for applying the design through manufacture activities of the product cycle. Prerequisite: ENGR 2300.
- 3316 Computer Aided Design and Manufacturing. (3-1) Topics include design process, description of wireframe/surface/solid models, transformation and manipulation of objects, finite element analysis, data exchange, process planning,

- machine elements, fundamentals of numerical control programming for turning and milling processes, fundamentals of CAD/CAM systems, CNC code generation by CAD/CAM software, waterjet, and plasma cutting. Prerequisites: ENGR 1311; MFGE2332.
- 4355 Design of Machine Elements. (3-0) This course will cover the general procedures in designing various machine elements. These elements include shafts and flexible elements, springs, welded/riveted/brazed joints, screw fasteners, rolling/sliding contact bearings, gears, cams, and followers. Emphasis will be placed on using standard design practices. Prerequisite: ENGR 3311 or TECH 2351.
- 4357 Dynamics of Machinery. (3-0) This course will cover kinematics and kinetics of particles; kinematics and kinetics of rigid bodies in two and three dimensions; application of dynamics to the analysis and design of machine and mechanical components; mechanical vibrations; linkages; gear trains; and balancing of machines. Prerequisites: MATH 3323 and 3375.
- 4363 Concurrent Process Engineering. (2-3) Integrated design and development of products and processes; impact of ethical issues on design; the discussion of real-world engineering problems and emerging engineering issues with practicing engineers; preparation of reports; plans or specifications; cost estimation; project management, communication and the fabrication of an engineered product/system. Prerequisites: ENGR 3311, MFGE 4365, and senior standing. (WI)
- 4365 Tool Design. (3-1) Design of single and multi-point cutting tools, jig and fixture design, gage design, and the design of tooling for polymer processing and sheet metal fabrication. Laboratory projects will involve the use of computer aided design and rapid prototyping. Prerequisite: MFGE 3316 or ENGR 3316.
- 4367 Polymer Properties and Processing. (3-1) Structure, physical & mechanical properties, design considerations and processing methods for polymer-based materials are presented. Processing methods include: injection molding, blow molding, thermoforming, compression molding, extrusion, filament winding, lay-up methods, vacuum bag molding and pultrusion. Prerequisite: MFGE 2332.
- 4376 Control Systems and Instrumentation. (3-0) The theory of automated control systems and its applications to manufacturing systems are covered in this course. Topics covered include: modeling of systems, time and frequency domain feedback control systems, stability analysis, transducer and sensor technology and digital control. Prerequisites: PHYS 1430 and either MFGE 2332 or EE 3370. Co-requisite: MATH 3323.
- 4392 Microelectronics Manufacturing I. (3-0) Provides an overview of integrated circuit fabrication including crystal growth, wafer preparation, epitaxial growth, oxidation, diffusion, ion-implantation, thin film deposition, lithography, etching, device and circuit formation, packaging and testing. The laboratory component involves production and testing of a functional semiconductor device. Prerequisites: CHEM 1141 and CHEM 1341.
- 4394 Microelectronics Manufacturing II. (3-3) Topics include: atomic models for diffusion, oxidation and ion implantation; topics related to thin film processes i.e. CVD, PVD; planarization by chemical-mechanical polishing and rapid thermal processing; and process integration for bipolar and MOS device fabrication. Students will design processes and model them using a simulation. Prerequisite: MFGE 4392.
- 4395 Computer Integrated Manufacturing. (3-1) An overview of computer integrated manufacturing is presented. Topics include control strategies for manufacturing systems, automated material handling systems, production planning, shop floor control, manufacturing execution systems, manufacturing databases and their integration, data communication and protocols and man/machine interfaces. Prerequisite: MFGE 3316 or ENGR 3316 or TECH 4375. (WI)
- 4396 Manufacturing Systems Design. (3-2) Applications of simulation modeling to the design and analysis of manufacturing systems are presented in this course. Topics covered include queuing theory and discrete event simulation methods. Design projects will involve the use of current simulation language for modeling and analysis of manufacturing systems. Prerequisites: IE 3320. (WI)
- 4399 Special Topics in Manufacturing Engineering. (3-0) This course will cover advanced topics that cannot be fitted into a regular course in the curriculum. Prerequisite: Faculty advisor approval.
- 4399A Reverse Engineering and Rapid Prototyping. (3-0)
- 4399B Introduction to Reinforced Polymer Nanocomposites in Industrial Applications. (3-0)

Department of Engineering Technology

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DEGREE PROGRAMS OFFERED

BS, major in Concrete Industry Management
BST, major in Engineering Technology
BST, major in Industrial Technology
BST, major in Industrial Technology (with Teacher Certification)
BST, major in Industrial Technology-Construction Technology
BST, major in Industrial Technology-Manufacturing Technology

MINOR OFFERED

Technology

The mission of the Department of Engineering Technology is to prepare students for technical/professional careers in industry and education. The mission is accomplished through a dedicated faculty offering programs in specialized areas with formal, technical focus. Upon graduation, students are prepared to assume positions of professional responsibility in the areas of manufacturing, construction, computer related fields of all types, electronics, and education. Fourteen well-equipped technical laboratories serve to educate students in the techniques and processes used by contemporary world class industries.

The BST in Engineering Technology provides students with the technical background to work with engineers in planning production processes, developing tooling, establishing quality assurance procedures, developing safety programs, establishing work methods, and setting time standards. Students can specialize in Electrical Engineering Technology, Construction Engineering Technology, Environmental Engineering Technology, Manufacturing Engineering Technology, and Mechanical Engineering Technology. The BST in Industrial Technology degree prepares students for work in industry in middle management positions. Students gain a sound knowledge and understanding of materials, processes, industrial safety, and concepts of industrial management. This degree has program majors in Construction, Manufacturing, and General Technology. The General Technology major, under Industrial Technology, can be customized to meet specific student needs offering opportunities in electronics, industrial safety, education, etc. Students interested in exploring such opportunities should see an Engineering Technology Department advisor for more details.

The BS in Concrete Industry Management (CIM) degree prepares students who are grounded in basic construction management, who are knowledgeable in concrete technology and techniques and who are able to manage people and systems to promote products and devices related to the concrete industry. CIM professionals find a wide array of opportunities in the concrete industry including positions in sales, operations, technical services and construction management.

Teacher Certification

A student seeking certification to teach at the secondary level must take RDG 3323; EDST 4681; and CI4370, 3325, 4332, 4343, and 4370. The student who has further questions should see the undergraduate advisor in Engineering Technology.

Bachelor of Science Major Concrete Industry Management (with Minor in Business Administration) Minimum required: 123 semester hours							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
US 1100	1	ENG 1320	3	ENG Literature (see general requirement 2)	3	POSI 2320	3
ENG 1310	3	HIST 1310	3	HIST 1321	3	COMM 1310	3
POSI 2310	3	BLAW 2361	3	MATH 2321	3	ACC 2301	3
ECO 2301	3	MATH 2417	4	TECH 2342	3	TECH 2313	3
CHEM 1141, 1341	4	PHYS 1410	4	PFW one course	1	PHYS 1420	4
TECH 1260	2					PFW one course	1
Total	16	Total	17	Total	13	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
PHIL 1305	3	ART, DAN, MU, or TH 2313	3	MKT 3343	3	ENGR 3315	3
MGT 3303	3	FIN 3325	3	CIM 3366	3	TECH 3360	3
MATH 2328	3	CIM 3330	3	CIM 4210	2	TECH 3367	3
TECH 2351	3	CIM 3340	3	TECH 4369	3	CIM 4340	3
CIM 3420	4			TECH 4345	3	CIM 4398	3
Total	16	Total	12	Total	14	Total	15

Senior Year - Summer Session	
Course	Hr
TECH 4390	3
Total	3

Bachelor of Science in Technology
Major in Engineering Technology
(with Electrical Engineering Technology Specialization)
Minimum required: 124 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 2471, natural science- CHEM 1341/1141 and CHEM 1342/1142, and social science-ECO 2301. See the University College section of this catalog for the English literature requirements.
3. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	CHEM 1142, 1342	4	TECH 2344	3	EE 2320	3
MATH 2471	4	ENGR 2300	3	ENGR 1313	3	MATH 2425	4
US 1100	1	MATH 2472	4	PHYS 1430	4	PHYS 2425	4
ENG 1310	3	ENG 1320	3	COMM 1310	3	CS 1428	4
POSI 2310	3	HIST 1310	3	HIST 1320	3	POSI 2320	3
PFW one course	1						
Total	16	Total	17	Total	16	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
EE 3300	3	EE 3370	3	EE 4370	3	EE 3350	3
EE 3320	3	TECH 2351	3	EE 4390	3	ENGR 3315	3
IE 3320	3	ART, DAN, MU, or TH 2313	3	TECH 4345	3	MGT 4330	3
TECH 3364	3	ENG Literature (see gen. req. 2)	3	MGT 3303	3	MFGE 4376	3
ECO 2301	3	PHIL 1305	3				
PFW one course	1						
Total	16	Total	15	Total	12	Total	12

Senior Year -Summer Session	
Course	Hr
TECH 4390	3
Total	3

Bachelor of Science in Technology
Major in Engineering Technology
(with Construction Engineering Technology Specialization)
Minimum required: 124 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 2471, natural science- CHEM 1341/1141 and CHEM 1342/1142, and social science-ECO 2301. See the University College section of this catalog for the English literature requirements.
3. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	PHYS 1430	4	TECH 2344	3	TECH 2351	3
MATH 2471	4	CHEM 1142, 1342	4	TECH 2342	3	PHYS 2425	4
US 1100	1	MATH 2472	4	ECO 2301	3	TECH 2313	3
ENG 1310	3	ENG 1320	3	ART, DAN, MU, or TH 2313	3	COMM 1310	3
POSI 2310	3	HIST 1310	3	HIST 1320	3	POSI 2320	3
PFW one course	1						
Total	16	Total	18	Total	15	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Junior Year - Summer II		Senior Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CS 1428	4	ENGR 3315	3	TECH 4360	3	TECH 3361	3
IE 3320	3	MGT 3303	3			TECH 4345	3
TECH 3364	3	TECH 2360	3			TECH 4361	3
PHIL 1305	3	ENG Literature (see gen. req. 2)	3			ENGR 3373	3
		PFW one course	1				
Total	13	Total	13	Total	3	Total	12

Senior Year - 2nd Semester		Senior Year - Summer Session	
Course	Hr	Course	Hr
MGT 4330	3	TECH 4390	3
TECH 3360	3		
TECH 3367	3		
TECH 4364	3		
TECH 4369	3		
Total	15	Total	3

Bachelor of Science in Technology
Major in Engineering Technology
(with Environmental Engineering Technology Specialization)
Minimum required: 125 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 2471, natural science- CHEM 1341/1141 and CHEM 1342/1142, and social science-ECO 2301. See the University College section of this catalog for the English literature requirements.
3. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	CHEM 1142, 1342	4	ENGR 1313	3	CS 1428	4
MATH 2471	4	ENGR 2300	3	PHYS 1430	4	PHYS 2425	4
US 1100	1	MATH 2472	4	TECH 2344	3	ECO 2301	3
ENG 1310	3	ENG 1320	3	CHEM 2390	3	COMM 1310	3
POSI 2310	3	HIST 1310	3	HIST 1320	3	POSI 2320	3
PFW one course	1						
Total	16	Total	17	Total	16	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
IE 3320	3	TECH 4380	3	ENGR 3373	3	ENGR 3315	3
TECH 2351	3	GEO 2410	4	TECH 4330	3	TECH 4392	3
ART, DAN, MU, or TH 2313	3	MGT 3303	3	TECH 4345	3	GEO 4313	3
ENG Literature (see gen. req. 2)	3	TECH 3364	3	TECH 4367	3	MGT 4330	3
PHIL 1305	3			TECH 4350	3		
PFW one course	1						
Total	16	Total	13	Total	15	Total	12

Senior Year - Summer Session	
Course	Hr
TECH 4390	3
Total	3

Bachelor of Science in Technology
Major in Engineering Technology
(with Manufacturing Engineering Technology Specialization)
Minimum required: 124 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 2471, natural science- CHEM 1341/1141 and CHEM 1342/1142, and social science-ECO 2301. See the University College section of this catalog for the English literature requirements.
3. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. 6 hours of Manufacturing Engineering Technology electives – 3 hours from: TECH 1330 (fall, spring), TECH 4367 (spring), TECH 4392 (spring); and 3 hours from: TECH 4357 (spring), TECH 4374 (fall), TECH 4380 (fall, spring, summer I).

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	CHEM 1142, 1342	4	ENGR 1313	3	CS 1428	4
MATH 2471	4	ENGR 2300	3	PHYS 1430	4	PHYS 2425	4
US 1100	1	MATH 2472	4	TECH 2344	3	TECH 2310	3
ENG 1310	3	ENG 1320	3	ART, DAN, MU, or TH 2313	3	TECH 2351	3
POSI 2310	3	HIST 1310	3	PFW one course	1	COMM 1310	3
Total	15	Total	17	Total	14	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Junior Year - Summer I		Senior Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENGR 3373	3	MGT 3303	3	TECH 4391	3	MFGE 4363	3
IE 3320	3	TECH 4362	3			TECH 3364	3
TECH 2330	3	ENG Literature (see gen. req. 2)	3			TECH 4330	3
ECO 2301	3	PHIL 1305	3			TECH 4345	3
HIST 1320	3	POSI 2320	3				
		PFW one course	1				
Total	15	Total	16	Total	3	Total	12

Senior Year - 2nd Semester		Senior Year - Summer Session	
Course	Hr	Course	Hr
ENGR 3315	3	TECH 4390	3
MGT 4330	3		
Manufacturing Engr Tech Electives (see gen. req. 4)	6		
Total	12	Total	3

Bachelor of Science in Technology
Major in Engineering Technology
(with Mechanical Engineering Technology Specialization)
Minimum required: 124 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 2471, natural science- CHEM 1341/1141 and CHEM 1342/1142, and social science-ECO 2301. See the University College section of this catalog for the English literature requirements.
3. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
CHEM 1141, 1341	4	CHEM 1142, 1342	4	ENGR 1313	3	CS 1428	4
MATH 2471	4	ENGR 2300	3	PHYS 1430	4	PHYS 2425	4
US 1100	1	MATH 2472	4	TECH 2344	3	TECH 2310	3
ENG 1310	3	ENG 1320	3	ART, DAN, MU, or TH 2313	3	TECH 2351	3
POSI 2310	3	HIST 1310	3	PFW one course	1	COMM 1310	3
Total	15	Total	17	Total	14	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Junior Year - Summer I		Senior Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENGR 3373	3	TECH 4362	3	TECH 4391	3	MATH 3323	3
IE 3320	3	MGT 3303	3			MFGE 4363	3
TECH 2330	3	ENG Literature (see gen. req. 2)	3			TECH 3364	3
ECO 2301	3	PHIL 1305	3			TECH 4345	3
HIST 1320	3	POSI 2320	3				
		PFW one course	1				
Total	15	Total	16	Total	3	Total	12

Senior Year - 2nd Semester		Senior Year - Summer Session	
Course	Hr	Course	Hr
ENGR 3315	3	TECH 4390	3
MGT 4330	3		
MFGE 4376	3		
TECH 4392	3		
Total	12	Total	3

Bachelor of Science in Technology
Major in Industrial Technology
Minimum required: 120 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 1317 or 2417; natural science- CHEM 1341/1141 and PHYS 1410; and social science- ECO 2301. See the University College section of this catalog for the English literature requirements.
3. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. Technology electives must be chosen in consultation with the departmental advisor. Electives outside of Technology should be chosen in consultation with the departmental or academic advisor.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
US 1100	1	CHEM 1141, 1341	4	CHEM 1142, 1342	4	PHYS 1420	4
ENG 1310	3	MATH 1317 or 2417	3-4	ENGR 2300 or TECH 2342	3	TECH Electives (see gen. req. 4)	3
POSI 2310	3	TECH Elective (see gen. req. 4)	3	PHYS 1410	4	TECH 2344	3
ECO 2301	3	ENG 1320	3	TECH Electives (see gen. req. 4)	3	TECH 2351	3
COMM 1310	3	HIST 1310	3			TECH 2370	3
ART, DAN, MU, or TH 2313	3						
Total	16	Total	16-17	Total	14	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
TECH 3364	3	TECH 4357	3	MGT 3303	3	MGT 4330	3
TECH Advanced Elective (see gen. req. 1 & 4)	6	TECH 4380	3	TECH 4345	3	TECH 4392	3
Elective (see gen. req. 4)	1-2	TECH Advanced Elective (see gen. req. 1 & 4)	3	TECH Advanced Elective (see gen. req. 1 & 4)	6	TECH Advanced Elective (see gen. req. 1 & 4)	3
HIST 1320	3	PHIL 1305	3	PFW one course	1	ENG Literature (see gen. req. 2)	3
PFW one course	1	POSI 2320	3				
Total	14-15	Total	15	Total	13	Total	12

Senior Year - Summer Session	
Course	Hr
TECH 4390	3
Total	3

Bachelor of Science in Technology
Major in Industrial Technology (with Teacher Certification)
Minimum required: 130 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 1317 and natural science- CHEM 1341/1141 and PHYS 1410. See the University College section of this catalog for the English literature and social science requirements.
3. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. Technology electives must be chosen in consultation with the departmental advisor.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MATH 1317	3	CHEM 1141, 1341	4	ENGR 2300 or TECH 2342	3	PHYS 1420	4
US 1100	1	TECH 1330	3	CHEM 1142, 1342	4	TECH 2310	3
ENG 1310	3	ENG 1320	3	PHYS 1410	4	TECH 2351	3
POSI 2310	3	HIST 1310	3	TECH 2313	3	TECH 2370	3
COMM 1310	3	Social Science Component (see gen. req. 2)	3	TECH Electives (see gen. req. 4)	3	TECH elective (see gen. req. 4)	3
ART, DAN, MU, or TH 2313	3	PFW one course	1				
Total	16	Total	17	Total	17	Total	16

Sophomore Year - Summer I		Sophomore Year - Summer II		Junior Year - 1st Semester		Junior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 1320	3	POSI 2320	3	TECH 2330	3	TECH 3313	3
PFW one course	1	PHIL 1305	3	TECH 2344	3	TECH 2360	3
				TECH 4374	3	TECH 4362	3
				TECH 4380	3	TECH Advanced Electives (see gen. req. 1 & 4)	3
				CI 4332	3	CI 3325	3
Total	4	Total	6	Total	15	Total	15

Junior Year - Summer I		Junior Year - Summer II		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ENG Literature (see gen. req. 2)	3	TECH 4360	3	MGT 3303	3	EDST 4681	6
				CI 4370	3		
				CI 4343	3		
				RDG 3323	3		
Total	3	Total	3	Total	12	Total	6

Bachelor of Science in Technology
Major in Industrial Technology-Construction Technology
Minimum required: 124 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 2417; natural science- CHEM 1341/1141 and PHYS 1410; and social science- ECO 2301. See the University College section of this catalog for the English literature requirements.
3. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
TECH 1260	2	MATH 2328	3	PHYS 1420	4	TECH 2344	3
CHEM 1141, 1341	4	PHYS 1410	4	TECH 1330	3	TECH 2351	3
MATH 2417	4	TECH 2160	1	TECH 2342	3	TECH 2360	3
US 1100	1	ENG 1320	3	BLAW 2361	3	ECO 2301	3
ENG 1310	3	HIST 1310	3	PHIL 1305	3	HIST 1320	3
POSI 2310	3	PFW one course	1				
Total	17	Total	15	Total	16	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
TECH 2313	3	TECH 3360	3	TECH 3361	3	ENGR 3315	3
TECH 3364	3	TECH 3362 or 3363	3	TECH 4361	3	TECH 4364	3
COMM 1310	3	TECH 4313	3	MGT 3303	3	TECH 4368	3
ENG Literature (see gen. req. 2)	3	TECH 4360	3	MGT 3360	3	TECH 4369	3
POSI 2320	3	ART, DAN, MU, or TH 2313	3	TECH 4380	3		
PFW one course	1						
Total	16	Total	15	Total	15	Total	12

Senior Year - Summer Session	
Course	Hr
TECH 4390	3
Total	3

Bachelor of Science in Technology
Major in Industrial Technology-Manufacturing Technology
Minimum required: 120 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. Departmental requirements that also satisfy the general education core curriculum requirements for the following components: mathematics- MATH 1317 or 2417; natural science- CHEM 1341/1141 and PHYS 1410; and social science- ECO 2301. See the University College section of this catalog for the English literature requirements.
3. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. Technology electives must be chosen in consultation with the departmental advisor. Electives outside of Technology should be chosen in consultation with the departmental or academic advisor.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
TECH 1330	3	CHEM 1141, 1341	3	CHEM 1142, 1342	4	PHYS 1420	4
US 1100	1	MATH 1317 or 2417	3-4	ENGR 1413	4	TECH 2310	3
ENG 1310	3	ENG 1320	3	ENGR 2300	3	TECH 2344	3
POSI 2310	3	HIST 1310	3	PHYS 1410	4	TECH 2351	3
COMM 1310	3	Elective (see gen. req. 4)	0-1	PFW one course	1	TECH 2370	3
ART, DAN, MU, or TH 2313	3						
Total	16	Total	14	Total	16	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Junior Year - Summer I Session		Senior Year - 1st Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
TECH 2330	3	TECH 4362	3	TECH 4391	3	TECH 4345	3
TECH 3364	3	MGT 3303	3			TECH 4374	3
TECH 4330	3	ENG Literature (see gen. req. 3)	3			TECH 4380	3
ECO 2301	3	HIST 1320	3			POSI 2320	3
PHIL 1305	3					PFW one course	1
Total	15	Total	12	Total	3	Total	13

Senior Year - 2nd Semester		Senior Year - Summer Session	
Course	Hr	Course	Hr
MGT 4330	3	TECH 4390	3
TECH 4357	3		
TECH 4373	3		
TECH advanced elective (see gen. req. 1 & 4)	3		
Total	12	Total	3

Minor in Technology

A minor in Technology requires 18 hours of Technology courses, of which 9 hours must be advanced. Courses will be determined by conference with a departmental advisor or the Chair of the Department.

Driver and Traffic Safety Education Certification

Students seeking State of Texas Certification in Driver's Education must complete nine semester hours of TECH 4383, 4385, and 4393. For more information on this program contact the Director of the Traffic Safety Center.

Courses in Concrete Industry Management (CIM)

- 3330 Concrete Construction Methods. (3-0) This course covers forming, shoring, placing and reinforcing operations. Transporting, placing, consolidating, finishing, jointing and curing concrete for cast-in-place foundations, pavements, slabs on ground, structural frames, and other structural members are studied. Other topics include waterproofing concrete foundations and erecting precast concrete members. Prerequisite: CIM 3420.
- 3340 Understanding the Concrete Construction System. (3-0) A detailed look at how the concrete construction industry works. The course includes a review of model building codes, building officials and their function, concrete industry codes and standards, concrete construction processes, quality assurance systems, contract documents, estimating, construction scheduling and concrete construction markets. Prerequisite: IE 3320 and CIM 3420.
- 3366 Applications of Concrete in Construction. (3-0) This course is a detailed study of the many uses of concrete in the construction of buildings, pavements and other facilities. Emphasis will be placed on the advantages, disadvantages, and unique problems faced by materials suppliers, contractors and design professionals when concrete is chosen for specific applications. Prerequisite: CIM 3330.
- 3420 Fundamentals of Concrete: Properties and Testing. (3-2) This course examines effects of concrete-making materials (aggregates, cements, admixtures, etc.) on the properties of fresh and hardened concrete. Concrete mixture proportioning calculations and statistical analysis of strength tests are also studied. Prerequisite: TECH 1260.
- 4210 Senior Concrete Lab. (1-2) This course provides students an opportunity to further develop their technical and laboratory knowledge and pursue a project of individual interest. A formal report/presentation will be required at the conclusion of the course. Prerequisite: CIM 3340, MGT 3303, FIN 3325, and BLAW 2361.
- 4320 Issues in Concrete and Construction Industry. (3-0) This course involves a case study approach to critically analyze various historical and current events in the concrete and construction industry. Particular emphasis will be placed upon developing a managerial decision-making process incorporating ethical, legal, financial and other business perspectives. Prerequisites: CIM 3340, MGT 3303, FIN 3325, and BLAW 2361.
- 4340 Concrete Problems: Diagnosis, Prevention and Dispute Resolution. (3-0) Course involves diagnosing/preventing problems related to concrete production, testing, construction and performance. Students learn to identify causes of

fresh and hardened concrete problems, i.e. fast and slow setting, air content variations, low strength, cracking and scaling. Pre-job conferences and dispute resolution methods are examined. Prerequisite: CIM 3366 and 4210.

- 4398 Capstone. (3-0) An intensive study of a problem(s) appropriate to the major/student's career interests. Requires knowledge from previous technical/business coursework. Solution(s) for the problem(s) will be presented to an industry committee. Presentation must emphasize depth of analysis, completeness/effectiveness of solution, and presentation skills. Prerequisite: All CIM courses satisfactorily completed.

Courses in Technology (TECH)

- 1260 Introduction to the Construction and Concrete Industry. (2-0) An introductory course for Construction and Concrete Industry Management (CIM) majors. Residential, commercial, heavy, civil and highway construction is explored including the concrete industry. The role of the contractor, architect/engineer and owner are covered including contracts, careers, sustainability and economic importance of the construction industry.
- 1330 Assembly Processes. (2-2) Basic assembly process to include gas, arc, resistance, thermite, induction, and forge welding; weld-ability, weld metallurgy, weld symbology, and weld testing; brazing; soldering; mechanical fastening to include threaded fasteners, rivets, shrink and press fits, seams, staples, crimping, and structural adhesives. Principles of joint design and cost estimation. An overview of electronics assembly processes and automated assembly.
- 1413 Introduction to Architectural Graphics. (3-2) An introductory manual drafting course utilizing the tools and techniques necessary to produce architectural working drawings. Principles of orthographic and perspectives, projections, geometric relationships, shape and size description, and pictorial methods are included with emphasis on technical applications and architectural design problem solving. Prerequisite: Interior Design and non-Engineering or Technology majors only.
- 2160 Introduction to Construction Surveying and Site Layout. (1-1) Common construction surveying and site layout techniques are studied using both optical levels and total stations. Benchmarks, building lines, property lines, differential and profiling are discussed in lecture with applied exercises performed in the laboratory. Prerequisite: Pre-Construction or Instructor's Approval.
- 2310 Machine Drafting. (3-3) Introduction to the use of computer-aided drafting techniques (CAD) and application of basic principles of engineering drawing to the preparation of drawings for manufacturing processes. Emphasis includes principles of descriptive geometry, multiview projection, precision dimensioning, machine tooling, dies, production drawing, machine design and fabrication methods. Prerequisite: ENGR 1413 or consent of instructor.
- 2313 Fundamentals of Architectural Problem-Solving and Design. (2-2) Introduction to the language of architectural design. Use of the computer and CAD software in the design process. Elements of projection theory to include orthographic and perspective projection. Solving complex problems of building geometry. Section views and their relationship to

- architectural detailing. Emphasis on the successful integration of construction documents.
- 2330 Fundamentals of Material Removal. (3-0) An overview of the micro and macro structure of materials is studied. Assessment of materials with regard to their chemical and mechanical properties and how these properties relate to machining is explored. Machining conditions with regard to feed, speed, surface finish, tooling requirements, horsepower capabilities, time, and cost analysis complete the class. Prerequisite: MATH 1315.
- 2342 Construction Materials and Processes. (3-1) This course will introduce students to various types of construction materials including ceramics, ferrous, non-ferrous, and organic materials used in construction. Their properties, working characteristics, and processes used to manufacture and assemble these materials are studied. Laboratory activities are used to reinforce lecture material. Prerequisite: CHEM 1341 and 1141 and PHYS 1410.
- 2344 Power Technology. (2-2) This class deals with understanding the basic laws of thermodynamics. It probes the issues of efficiency and examines energy-converting devices from the inputs, processes, outputs model. Internal combustion engines, electric motors, hydraulic systems, pneumatic systems, wind electric systems, solar energy systems, and gearing systems are reviewed from a practical and a theoretical perspective. Fuel analysis, lubricants, and friction all comprise essential topic areas. Prerequisite: MATH 1315.
- 2351 Statics and Strength of Materials. (3-0) Course covers principles of statics and strength of materials to include forces, equilibrium, friction, centroids, and stress/strain relationships, axial stress and deformation, thermal stress and deformation, stress concentrations, factor of safety, torsional stress, beam stresses and combined stress. Prerequisite: TECH 2342 or ENGR 2300 and PHYS 1410 or 1430.
- 2360 Residential Construction Systems. (2-2) A residential construction course, which deals with interpreting plans and specifications, along with studying site work, foundations, walls, roofing, ceilings, floor, and finishing systems. Also, residential MEP systems are covered along with applicable building codes and construction financing. Prerequisite: TECH 2342 or Instructor's Approval.
- 2370 (ENGR 2305) Electricity/Electronics Fundamentals. (2-2) Fundamentals of safety, Ohm's Law, series, parallel, and series-parallel circuits, meters, relays, and basic transistor circuits.
- 3310 Industrial Design. (3-0) The fundamentals, elements, and principles of design applied in creative ways to industrial design problems emphasizing function, form, and aesthetics. Ergonomics, product life cycles, environmental concerns, and use of elementary statics for stress analysis. (WI)
- 3313 Architectural Design II. (2-2) Architectural CAD techniques and principles of residential and/or light commercial design and construction. Exterior and interior drawings and details; essentials of plans, elevations, sections, and perspective aspects of architectural documents. Structural, MEP's, ADA and green-building issues are discussed. Individual and group projects will be completed by students. Prerequisite: TECH 2313.
- 3322 Development of Technology. (3-0) The role of technology in the development of Western World culture is studied from a technical perspective. Social repercussions resulting from the introduction of foundational technical developments are reviewed. Examples of technical areas examined are agriculture, transportation, manufacturing, engineering, defense, and communications. Readings focus discussions and papers on specific topics and encourage synthesis level understanding. (WI)
- 3360 Structural Analysis. (3-0) Structural engineering fundamentals to include design loads, reactions, force systems, functions of a structure, and the analysis of statically determinate and indeterminate structures by classical and modern techniques. Prerequisite: TECH 2351.
- 3361 Commercial Building Construction Systems. (3-0) A commercial building construction systems class that deals with soils, site work, heavy foundations, steel, reinforced concrete, and pre-cast structures along with common assemblies. Commercial MEP's are studied along with CSI master format, as-built and shop drawings, schedule of values, AIA documents, and appropriate building codes. Prerequisite: Pre-Construction or Instructor's Approval.
- 3362 Industrial and Offshore Construction Systems. (3-1) Management of the design process for oil and gas production facilities with emphasis on developing projects outside the United States. Presentation of materials, methods, and techniques of industrial facility construction and marine environments centers on equipment and crew selection, productivity, cost estimation, and constructability. Required field trip. Prerequisite: Pre-Construction or Instructor's Approval.
- 3363 Heavy, Civil, and Highway Construction Systems. (3-1) Selection, acquisition, and capabilities of heavy construction equipment are presented. Applications of economics to performance characteristics and production of equipment is discussed. Sector-specific construction management methods are covered, including unit price estimating, equipment fleet design, repetitive scheduling, and major components of highways, bridges, and engineered facilities. Prerequisite: Pre-construction or Instructor's Approval.
- 3364 Quality Assurance. (3-0) This course covers the principles of quality management to include basic probability and statistics concepts, control charts for attributes and variables, sampling plans, quality audits and costs. The laboratory component of this class includes exercises that provide exposure to basic metrology and data collection.
- 3366 Soils and Foundation. (3-0) Properties of subsurface materials and the principles of subsurface construction are studied. Topics include soil classification and testing, soil mechanics and foundation systems, including site layout, excavation, caissons, piles, slurry wall, slab and spread footings. Prerequisite: Pre-Construction and TECH 2351 or instructor approval.
- 3367 Mechanical, Electrical, and Plumbing Systems. (3-1) This course covers typical Mechanical, Electrical and Plumbing (MEPs) systems found in residential and commercial construction along with design and installation methods used to conserve both energy and water in new and remodeled structures. Prerequisites: TECH 2313, 2342, and 2360 or permission from the instructor.
- 3370 Audio Frequency Communications. (2-2) A study of the characteristics of basic electronic circuits and their component

- parts. Course content includes the use of electronic test equipment, inductance, capacitance, reactance, impedance, rectification, switching, amplification, and electronic circuit fabrication. Prerequisite: TECH 2370.
- 4197 Special Problems. (1-0) The investigation of a special topic by developing the problem, researching the topic, and presenting the findings as they apply to industry/technology. This course will be applicable to all areas of technology, and must be done only with the approval of the cooperating faculty member and Department Chair. Repeatable for credit with different emphasis.
- 4310 Technical Architectural Drafting. (3-3) Architectural plans, renderings, and detailing including case, millwork and cabinet detailing concepts are taught in this class using contemporary computer aided design (CAD) software. Repeatable for credit with different emphasis. Prerequisite: ENGR 1413 or TECH 1413.
- 4313 Advanced Architectural Design. (2-2) Architectural CAD techniques and principles of commercial construction. Exterior and interior drawings and details; essentials of plans, elevations, sections, and perspective aspects of architectural documents. Structural, mechanical, electrical, plumbing, ADA and green building issues are discussed. Design and/or construction documents will be produced through group participation projects. Prerequisite: TECH 2313.
- 4321 Flight Instruction Academics. (3-0) Provides instruction necessary to pass the Federal Aviation Administration written examination in order to fulfill academic requirements for a private pilot's license. Includes instruction in: Aircraft Pre-Flight; Flight and System Controls; Federal Aviation Agency Regulations; Navigation; Weather; Weight and Balance; Radio Communications; and Airman Information Manual.
- 4330 Foundry and Heat Treatment. (3-3) The technical aspects of foundry and heat treatment of ferrous and non-ferrous metals are reviewed. Students gain proficiency with interpretation of binary phase diagrams, mathematical modeling of gate and runner systems, micro-structural analysis, process cost evaluation, sand testing, investment casting and other technical processes. Technical report writing is an important part of this class. Data collection and data analysis with experiments allow students to develop appropriate techniques for presenting technical data in report format. ENGR 2300 recommended. (WI)
- 4345 Methods Engineering and Ergonomics. (3-0) Principles and procedures of methods engineering to include concurrent engineering, charting techniques, motion analysis, principles of motion economy, human factors, direct time study, standard data systems, predetermination time standards and work sampling.
- 4357 Facilities Design. (3-0) Survey and application of the principles and methods used for solving plant layout and material handling problems in industry.
- 4360 Construction Contract Administration. (2-2) Construction contracts including lump sum and cost reimbursable are covered, along with delivery systems, insurance, bonding, AIA documents, specifications, addenda, general conditions, change orders, RFI's Mechanical, Electrical and Plumbing Systems and ethics are covered. Selected modules are designed, scheduled, and built, complete with specifications. Prerequisite: Pre-Construction or Instructor's Approval.
- 4361 Construction Estimating. (2-2) The fundamentals of construction estimating are covered including feasibility, conceptual, square feet, cubic feet, unit in place, preliminary, engineering, range and contractor's detail bid estimates. Plans and specifications are used along with contemporary estimating software to develop estimates commonly used in the construction industry. Prerequisite: Pre-Construction and TECH 3361 or Instructor's Approval.
- 4362 Manufacturing Processes I. (1-3) Application of metal cutting principles learned in 2330. Included in the requirements are steel rule dye layout, machine layout, tool life, tool wear, tool geometry and reconditioning, feed and speed principles, metal removal rates, and power consumption calculations. Machining steel as well as castings produced in the laboratory with various types of cutting tool materials and varying geometry contributes toward the wide variety of experiences included in this basic manufacturing course. Plain indexing activities complement basic machine operations in a unique and most unusual way. Prerequisite: TECH 2330.
- 4364 Construction Project Management and Scheduling. (3-1) Concepts of construction management are studied beginning with contract documents through the effective management of manpower, machines, material, and money necessary to complete construction projects on time and within budget. Gantt Charts and PERT/CPM schedules are developed, using contemporary software. Prerequisite: Pre-Construction and TECH 4361 or Instructor's Approval.
- 4367 Polymer Properties and Processing. (3-1) Structure, physical & mechanical properties, design considerations and processing methods for polymer-based materials are presented. Processing methods include: injection molding, blow molding, thermoforming, compression molding, extrusion, filament winding, lay-up methods, vacuum bag molding and poltrusion. Prerequisite: ENGR 2300.
- 4368 Environmentally Conscious Design and Construction. (3-1) Environmentally sustainable practices used in building design and construction. The LEED system will be used to guide the course, which covers aspects of sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, and the CAD design process. Prerequisite: Pre-Construction or ID 2329 and TECH 2313 or Instructor's Approval.
- 4369 Construction Contracts, Liability, and Ethics. (3-0) Legal aspects of design and construction contract documents are presented, including contract formation, interpretation, rights and duties, and changes. Legal liabilities are explored in the context of professional ethics for design firms and constructors. Prerequisite: Pre-Construction and recommended: MGT 3303 and/or MG 3360 or Instructor Approval.
- 4372 Electronic Instrumentation. (2-2) Transistor configurations, field effect transistors and circuits, voltage regulation, amplifier feedback principles, operational amplifiers and circuitry, and unijunction transistors and applications. Prerequisite: TECH 2370.

- 4373 Industrial Electronics. (2-2) A study of control systems, electrical switching, electrical generation, motors, wiring, illumination, and temperature controls as they apply to industry. Electronic product development and manufacturing are studied through classroom and laboratory activities. Prerequisite: TECH 2370.
- 4374 Digital Electronics. (2-2) Solid state digital electronics from basic concepts to current industrial needs in terms of logic gates (all types), number systems counters (all types), registers (all types), sequential control circuits, and shift register generator. Prerequisite: TECH 2370 or PHYS 2425.
- 4380 Industrial Safety. (3-0) Introduction to the field of industrial safety with emphasis on compliance with Federal and State regulations. (WI)
- 4383 Driver and Traffic Safety Education I. (3-0) Content, methods, and materials for instruction in the classroom phase of driver education in Texas. Topics include Texas traffic law; Texas Education Agency standards for high school driver education; driver behavior, attitude, and psychomotor skills; and safety in the highway transportation system.
- 4385 Driver and Traffic Safety Education II. (3-3) Content, methods and materials for instruction in the laboratory phase of driver education in Texas. Topics include in-car instruction, multi-car range, and simulation. During laboratory sessions participants will observe in-car instructors, peer teach in the car, and teach a high school student how to drive. TECH 4383 and 4385 will be taken simultaneously. Prerequisites: TECH 4383 and a good driving record.
- 4387 Motorcycle Safety and Rider Education. (3-3) Techniques and methods of teaching beginner rider education. Includes classroom techniques as well as laboratory experience in on-street and off-street riding. Not applicable to the BS in Technology program.
- 4390 Internship. (0-20) Supervised on-the-job professional learning experience in construction, manufacturing, electronics, and other technical areas. This course provides practical work experience in their particular field of interest. Repeatable for credit. Prerequisites: Consult internship coordinator. (WI)
- 4391 Manufacturing Processes II. (1-3) Involves a wide variety of advanced manufacturing techniques. Included are the following areas: differential indexing, electrical discharge machining, precision grinding, specialized thread cutting, high energy rate forming, tool grinding, tool behavior analysis, tool cost evaluation, and numerical control programming. An emphasis may be placed on certain processes mentioned above in order to meet the specific needs of various classes. Prerequisites: TECH 2330, 4362; MATH 1315.
- 4392 Microelectronics Manufacturing I. (3-0) Provides an overview of integrated circuit fabrication including crystal growth, wafer preparation, epitaxial growth, oxidation, diffusion, ion-implantation, thin film deposition, lithography, etching, device and circuit formation, packaging and testing. Lab component involves production and testing of a functional semiconductor device.
- 4393 Driver and Traffic Safety Education III. (3-3) Content, procedures, and administration of multi-phase driver education programs. Topics include scheduling, maintenance and operation of laboratory equipment, record keeping, lesson plan development, and driver education for the handicapped.

Practicum in classroom and/or simulation instruction. Not applicable to the Bachelor of Science in Technology degree program. Prerequisite: TECH 4383, 4385, and TECH 4393 may be taken simultaneously.

- 4394 Microelectronics Manufacturing II. (3-0) This is an intermediate level course in integrated circuit processing. Topics covered include: atomic models for diffusion, oxidation and ion implantation; topics related to thin film processes such as chemical vapor deposition, physical vapor deposition; planarization by chemical-mechanical polishing and rapid thermal processing; and process integration for bipolar and MOS device fabrication. Students will design processes and model them using a simulation tool such as SUPREM.
- 4397 Special Problems. (3-0) The investigation of a special topic by developing the problem, researching the topic, and presenting the findings as they apply to industry/technology. This course will be applicable to all areas of technology, and must be done only with the approval of the cooperating faculty member and Department Chair. Repeatable for credit with different emphasis.
- 4399 Seminar in Technology. (3-0) The topics for this course will vary. The course will involve the identification of the topic, its nomenclature, its processes, tools, equipment or materials, and its application to technology. The topic may apply to either the certification program or technology program or to both. A final report summary or presentation will conclude each seminar. Repeatable for credit with different emphasis.

Department of Mathematics

Math/Computer Science Building 470

T: 512.245.2551 F: 512.245.3425

www.txstate.edu/math/welcome.html

DEGREE PROGRAMS OFFERED

BS, major in Applied Mathematics

BA, major in Mathematics

BS, major in Mathematics

BS, major in Mathematics (with Teacher Certification)

MINOR OFFERED

Mathematics

The study of mathematics is more than four thousand years old and comprises an enormous body of knowledge. Mathematics remains a very active area of research continually giving rise to new theories and questions. The knowledge accumulated and the questions being considered concern both mathematics itself and its many applications.

Mathematics is a fundamental skill required at some minimal level of all educated people, and required in depth in many professions. The teaching objective of our Department includes the development of reasoning and computations skills, and the preparation of students for careers requiring a significant mathematical background.

Majors

The department offers the Bachelor of Arts and the Bachelor of Science majors in Mathematics with or without teacher certification and the Bachelor of Science with a major in Applied Mathematics. Any major requires 17 credit hours in core courses and 15 additional credit hours, which vary with the student's program. See the degree plans below.

For the BA or BS, a major in mathematics requires at least 38 semester hours, including MATH 2471, 2472, 3330, 3377, 3380, 4307 and 18 semester hours of advanced mathematics. The eighteen hours must follow one of two plans. The first consists of 3373, 4315, and 4330 plus any three of the following courses: 3305, 3323, 3325, 3348, 3375, 3398, 4305, 4306, 4336, or 4382. The second is the certification plan and consists of 3305, 3315, 4304 and 4311 plus any two of the following courses: 3323, 3325, 3373, 4305, 4315 or 4330. Notice that MATH 3315, 4302, 4303, 4304 and 4311 are not in the list of elective courses when taking the plan that includes MATH 3373. Even though MATH 2471 is the first required mathematics course, some students will need to take courses numbered below 2471. Credit examinations in MATH 1315, 2417, and 2471 are available.

For the BS, a major in applied mathematics requires at least 38 semester hours, including Math 2358, 2471, 2472, 3305, 3323, 3330, 3373, 3377, 3380 and 9 semester hours from Math 3348, 3375, 3398, 4305, 4306, 4307, 4315, 4336.

Teacher Certification

A student seeking certification to teach at the secondary level must take RDG 3323; EDST 4681; and CI 3325, 4332, 4343, and 4370. The student who has further questions should see the undergraduate advisor in Mathematics.

For students who are seeking teacher certification within their major and are not in the College of Science, but would like a second teaching field in Mathematics (Texas Grades 8-12) the requirements are: MATH 2471, 2472, 3305, 3315, 3330, 3377, 3380, 4304, and 4307.

Bachelor of Science Major in Applied Mathematics Minimum required: 120 semester hours							
General Requirements: 1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000. 2. See the University College section of this catalog for general education core curriculum requirements. PHYS 1430 is highly recommended as one of the 7-8 hours of natural science since it is a prerequisite for MATH 3375 in the advanced MATH electives. 3. If two years of the same foreign language were taken in high school, then no additional language hours required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level. 4. Even though MATH 2471 is the first required mathematics course, some students will need to take courses numbered below 2471. Credit examinations in MATH 1315, 2417, and 2471 are available. 5. At least 38 hours are required in mathematics, and must include MATH 2358, 2471, 2472, 3305, 3323, 3330, 3373, 3377, 3380 and 9 semester hours of advanced mathematics from the following courses: MATH 3348, 3375, 3398, 4305, 4306, 4307, 4315 or 4336. 6. See the list of minors under the Degrees and Programs section of this catalog. Minor and electives should be chosen in consultation with the academic advisor.							
Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
US 1100	3	MATH 2472	4	MATH 3373	3	MATH 3305	3
ENG 1310	1	ENG 1320	3	Minor (see gen. req. 6)	3	Minor (see gen. req. 6)	3
POSI 2310	3	HIST 1310	3	Natural Science Component (see gen. req. 2)	4	CS 1428	4
COMM 1310	3	Natural Science Component (see gen. req. 2)	3-4	MATH 2358	3	ENG Literature (see gen. req. 2)	3
MATH 2471	4	PHIL 1305	3	PFW one course	1	MATH 3323	3
Social Science Component (see gen. req. 2)	3						
Total	17	Total	16-17	Total	14	Total	16

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	MATH 3377	3	MATH 3380	3	MATH Advanced Elective (see gen. req. 5)	3
MATH 3330	3	MATH Advanced Elective (see gen. req. 5)	3	Minor (see gen. req. 1 & 6)	3	MATH Advanced Elective (see gen. req. 5)	3
CS 2308	3	Minor (see gen. req. 1 & 6)	3	Electives (see gen. req. 1,3,4 & 6)	3-4	Minor (see gen. req. 1 & 6)	3
Minor (see gen. req. 1 & 6)	3	POSI 2320	3	ENG 3303	3	Electives (see gen. req. 1,3,4 & 6)	3
HIST 1320	3	Electives (see gen. req. 1,3,4 & 6)	3	PFW one course	1		1
Total	15	Total	15	Total	13-14	Total	13

Bachelor of Arts
Major in Mathematics
Minimum required: 120 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. Even though MATH 2471 is the first required mathematics course, some students will need to take courses numbered below 2471. Credit examinations in MATH 1315, 2417 and 2471 are available.
4. At least 38 hours are required in mathematics, and must include MATH 2471, 2472, 3330, 3373, 3377 3380, 4307, 4315, and 4330; and nine hours of advanced mathematics from the following courses: MATH 3305, 3323, 3325, 3348, 3375, 3398, 4305, 4306, 4336, or 4382.
5. See the list of minors under the Degrees and Programs section of this catalog. Minor and electives should be chosen in consultation with the academic advisor.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
US 1100	3	MATH 2472	4	MATH 3373	3	ART, DAN, MU, or TH 2313	3
ENG 1310	1	ENG 1320	3	Minor (see gen. req. 6)	3	MATH Advanced Elective	3
POSI 2310	3	HIST 1310	3	Modern Language 1410	4	CS 1428	4
COMM 1310	3	Natural Science Component (see gen. req. 2)	3	Natural Science Component (see gen. req. 2)	4	Modern Language 1420	4
MATH 2471	4	PHIL 1305	3	PFW one course	1	ENG Literature (see gen. req. 2)	3
Social Science Component (see gen. req. 2)	3						
Total	17	Total	16	Total	15	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MATH 3377	3	MATH 3380	3	MATH 4330	3	MATH 4307	3
MATH 3330	3	MATH Advanced Elective (see gen. req. 4)	3	Minor (see gen. req. 1 & 5)	6	MATH 4315	3
Minor (see gen. req. 1 & 5)	3	Minor (see gen. req. 1 & 5)	3	PFW one course	1	Minor (see gen. req. 1 & 5)	3
Modern Language 2310	3	Modern Language 2320	3	Second ENG Literature (see gen. req. 2)	3	MATH Advanced Elective	3
HIST 1320	3	POSI 2320	3				
					13	Total	
Total	15	Total	15	Total			12

**Bachelor of Science
Major in Mathematics**
Minimum required: 120 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. Even though MATH 2471 is the first required mathematics course, some students will need to take courses numbered below 2471. Credit examinations in MATH 1315, 2417 and 2471 are available.
5. At least 38 hours are required in mathematics and must include MATH 2471, 2472, 3330, 3373, 3377, 3380, 4307, 4315, and 4330; and nine hours of advanced MATH from the following courses: MATH 3305, 3323, 3325, 3348, 3375, 3398, 4305, 4306, 4336, or 4382.
6. The fourth English course may be sophomore level English Literature or ENG 3303 Technical Writing.
7. See the list of minors under the Degrees and Programs section of this catalog. Minor and electives should be chosen in consultation with the academic advisor.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
US 1100	1	MATH 2472	4	MATH 3373	3	MATH 3330	3
ENG 1310	3	ENG 1320	3	Minor (see gen. req. 7)	3	Minor (see gen. req. 7)	3
POSI 2310	3	HIST 1310	3	Natural Science Component (see gen. req. 2)	4	CS 1428	4
COMM 1310	3	Natural Science Component (see gen. req. 2)	3-4	Electives (see gen. req. 1,3, 4 & 7)	3	ENG Literature (see gen. req. 2)	3
MATH 2471	4	PHIL 1305	3	PFW one course	1	MATH 3377	3
Social Science Component (see gen. req. 2)	3						
Total	17	Total	16-17	Total	14	Total	16

Junior Year - 1st Semester		Junior Year - 1st Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
ART, DAN, MU, or TH 2313	3	MATH Adv Elective (gen. req. 6)	3	MATH 4330	3	MATH 4307	3
MATH 3380	3	MATH Advanced Elective (see gen. req. 6)	3	MATH Adv Elective	3	MATH 4315	3
Minor (see gen. req. 1 & 7)	3	Minor (see gen. req. 1 & 7)	3	Electives (see gen. req. 1,3,4 & 7)	3	Minor (see gen. req. 1 & 7)	3
HIST 1320	3	POSI 2320	3	Fourth English course (see gen. req. 1, 2 & 6)	3	Electives (see gen. req. 1,3 & 7)	4-5
Electives (see gen. req. 1,3,4 & 7)	3	Electives (see gen. req. 1,3,4 & 7)	3	PFW one course	1		
Total	15	Total	15	Total	13	Total	13-14

**Bachelor of Science
Major in Mathematics
(with Teacher Certification)
Minimum required: 120 semester hours**

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. Even though MATH 2471 is the first required mathematics course, some students will need to take courses numbered below 2471. Credit examinations in MATH 1315, 2417 and 2471 are available. Electives should be chosen in consultation with the academic advisor.
5. At least 38 hours are required in mathematics and must include MATH 2471, 2472, 3305, 3315, 3330, 3377, 3380, 4304, 4307 and 4311 and six hours from: MATH 3323, 3325, 3373, 4305, 4315, 4330.
6. The fourth English course may be sophomore level English Literature or ENG 3303 Technical Writing.
7. A minor in Secondary Education is required.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
US 1100	1	MATH 2472	4	MATH 3330	3	MATH 3305	3
ENG 1310	3	CS 1428	4	MATH 3315	3	MATH 3377	3
POSI 2310	3	ENG 1320	3	Natural Science Component (see gen. req. 2)	3-4	COMM 1310	3
MATH 2471	4	HIST 1310	3	Electives (see gen. req. 1,3 & 4)	4-5	Electives (see gen. req. 1,3 & 7)	3
Social Science Component (see gen. req. 2)	3	PHIL 1305	3	PFW one course	1	Natural Science Component (see gen. req. 2)	4
Total	14	Total	17	Total	15	Total	16

Sophomore Year - Summer I		Sophomore Year Summer II		Junior Year - 1st Semester		Junior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
HIST 1320	3	POSI 2320	3	MATH 3380	3	MATH 4307	3
ENG Literature (see gen. req. 2)	3			MATH 4311	3	MATH 4304	3
				CI 4332	3	CI 3325	3
				MATH Adv Elective	3	MATH Adv Elective	3
				ART, DAN, MU, or TH 2313	3	Fourth English course (see gen. req. 6)	3
						PFW one course	1
Total	6	Total	3	Total	15	Total	16

Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr
CI 4370	3	EDST 4681	6
CI 4343	3		
RDG 3323	3		
Electives (see gen. req. 1,3 & 4)	3		
Total	12	Total	6

Minor in Mathematics

A minor in Mathematics requires at least 20 hours, including MATH 2471, 2472 and the remaining courses from this list: MATH 3305, 3323, 3325, 3330, 3348, 3373, 3377, 3380, 3398, 4305, 4306, or 4307.

Courses in Mathematics (MATH)

1300 Pre-College Algebra. (1-3) A course to remediate and review basic academic skills in mathematics, including number concepts, computation, elementary algebra, geometry and mathematical reasoning. MATH 1300 will not constitute a part of the hours required for a bachelor's degree.

1311 Basic Mathematics. (1-3) A preparatory course for college algebra. Topics include linear equations and inequalities, rational expressions, exponents and radicals, quadratics and word problems. This course is designed for students who have graduated from high school with no more than the minimum mathematics requirements or for students who have been away from mathematics for a number of years. Prerequisite: MATH 1300 with a grade of CR, ACT Mathematics score of 15 or more, SAT Mathematics score of 400 or more, Accuplacer Elementary Algebra score of 59 or more, Compass Algebra score of 35 or more.

1315 (MATH 1314) College Algebra. (3-0) A course covering linear and quadratic equations, inequalities, word problems, functions, logarithms, systems of equations and other college algebra topics as time permits. Prerequisite: MATH 1311 with a grade of CR or a grade of C or higher, ACT Mathematics score of 21 or more, SAT Mathematics score of 480 or more, Accuplacer College Mathematics score of 63 or more, Compass Algebra score of 66 or more.

1316 A Survey of Contemporary Mathematics. (3-0) A study of the uses of mathematics in society today. Emphasis is on concepts rather than technical details. May not be used as a prerequisite for any other mathematics course. Prerequisite: MATH 1311 with a grade of CR or a grade of C or higher, ACT Mathematics score of 21 or more, SAT Mathematics score of 480 or more, Accuplacer College Mathematics score of 63 or more, Compass Algebra score of 66 or more.

1317 (MATH 1316) Plane Trigonometry. (3-0) A course covering trigonometric functions, right triangles, radian measure, graphs of trigonometric functions, trigonometric identities, including multiple and half-angle identities, inverse trigonometric functions, trigonometric equations, oblique triangles, and complex numbers. Prerequisite: MATH 1315 with a grade of C or higher, Accuplacer College Mathematics score of 86 or more, Compass College Algebra score of 46 or more.

1319 (MATH 1324) Mathematics for Business and Economics I. (3-0) Topics from college algebra and finite mathematics which apply to business and economics including applications of equations and inequalities, simple and compound interest and annuities. Prerequisite: Math 1311 with a grade of CR or a grade of C or higher, ACT Mathematics score of 21 or more, SAT Mathematics score of 480 or more, Accuplacer College Mathematics score of 63 or more, Compass Algebra score of 66 or more.

1329 (MATH 1325) Mathematics for Business and Economics II. (3-0) Topics from finite mathematics and elementary differential calculus which apply to business and

economics. Prerequisite: MATH 1315 or 1319 with a grade of C or higher, ACT Mathematics score of 27 or more, SAT Mathematics score of 580 or more, Accuplacer College Mathematics score of 86 or more, Compass College Algebra score of 46 or more.

2311 (MATH 1350) Principles of Mathematics I. (3-0) Logical deductive reasoning, number theory, a rational development of the real numbers with the associated number structures and algorithms for the fundamental operations, including historical, philosophical and cultural significance. Prerequisite: MATH 1315 with a grade of "C" or higher.

2312 (MATH 1351) Informal Geometry. (3-0) Geometric measuring, Euclidean Geometry, and topics associated with informal geometry, including historical, philosophical, and cultural significance. Prerequisite: MATH 2311 with a grade of "C" or higher.

2321 (MATH 2313) Calculus for Life Sciences I. (3-0) This course is designed to serve the needs of students in the life sciences. Topics will include: graphs, derivatives, exponents and logarithms, scientific notation, sequences, summation, and applications. Prerequisite: MATH 1315 with a grade of C or higher, ACT Mathematics score of 24 or more, SAT Mathematics score 520 or more, Accuplacer College Mathematics score of 86 or more, Compass College Algebra score of 46 or more.

2328 (MATH 2342) Elementary Statistics. (3-0) Algebra-based introduction to descriptive statistics, random sampling, design of experiments, probability and the Central Limit Theorem. Inferential statistics topics include the foundational concepts for confidence intervals and hypothesis testing for simple experiments. Prerequisite: MATH 1315 with a grade of "C" or higher.

2331 Calculus for Life Science II. (3-0) Extension of MATH 2321. Topics will include: trigonometric functions, probability, integral calculus, differential equations, and applications. Prerequisite: MATH 2321 with a grade of "C" or higher.

2358 (MATH 2305) Discrete Mathematics I. (3-0) A study of discrete mathematical structures that are commonly encountered in computing hardware and software. Prerequisite: MATH 1315 with a grade of "C" or higher.

2417 (MATH 2412) Pre-Calculus Mathematics. (3-2) A survey of functions, trigonometry and analytic geometry to prepare students for calculus. Prerequisite: MATH 1315 with a grade of C or higher, ACT Mathematics score of 24 or more, SAT Mathematics score of 520 or more, Accuplacer College Mathematics score of 86 or more, Compass College Algebra score of 46 or more.

2471 (MATH 2413) Calculus I. (3-2) A first course in differential and integral calculus which stresses limits as well as the applications of calculus to the problems of science. Prerequisite: MATH 2417 with a grade of C or higher, ACT Mathematics score of 26 or more, SAT Mathematics score of 560 or more, Accuplacer College Mathematics score of 103 or more, Compass Trigonometry score of 46 or more.

2472 (MATH 2414) Calculus II. (3-2) A continuation of differential and integral calculus including methods of integration, sequences and series, and introduction to partial derivatives. Prerequisite: MATH 2471 with a grade of "C" or higher.

- 3305 Introduction to Probability and Statistics. (3-0) Basic probability models, generating functions and conditional probability, also discrete and continuous, univariate and bivariate distributions of random variables. Concepts of estimation, tests of hypothesis and statistical inference. Prerequisite: MATH 2472 with a grade of "C" or higher.
- 3315 Modern Geometry. (3-0) Modern geometry with an emphasis on the triangle, circle, plane and Euclidian geometry, an historical aspects will be integrated into the course. May not be applied toward a minor in mathematics. Prerequisites: MATH 2321 or 2471 with a grade of "C" or higher.
- 3323 Differential Equations. (3-0) A course covering solutions to the more common types of ordinary differential equations, especially those of first and second order, with emphasis on geometrical and physical interpretations. Prerequisite: MATH 2472 with a grade of "C" or higher.
- 3325 Number Systems. (3-0) Algebraic construction of the natural numbers. Covers the basic vocabulary and proof techniques of abstract algebra, and the structural properties of the natural numbers, integers, rational, real and complex number systems. Prerequisite or Co-requisite: MATH 2471.
- 3330 Introduction to Advanced Mathematics. (3-0) An introduction to the theory of sets, relations, functions, finite and infinite sets, and other selected topics. Algebraic structure and topological properties of Euclidean Space, and an introduction to metric spaces. Prerequisite: MATH 2472 with a grade of C or higher.
- 3348 Deterministic Operations Research. (3-0) This course provides a broad view of deterministic operations research techniques. Topics include dynamic programming, linear and integer programming, deterministic inventory models, and sequencing problems. Prerequisite: MATH 2472 with a grade of C or higher.
- 3373 Calculus III. (3-0) A course covering sequences and series, vectors, functions of several variables, partial derivatives, multiple integrals, line and surface integrals, and applications. Prerequisite: MATH 2472 with a grade of "C" or higher.
- 3375 Engineering Mechanics. (3-0) A course covering statics, using a vector approach to mechanics. The course is designed to satisfy the requirements of engineering Colleges. Prerequisite: PHYS 1430. Prerequisite or Co-requisite: MATH 2472.
- 3377 Linear Algebra. (3-0) An introductory course in linear algebra covering vector spaces, linear transformation, matrices, systems of linear equations, and inner product spaces. Prerequisite: MATH 2472 with a grade of "C" or higher.
- 3380 Analysis I. (3-0) A course covering the introduction to the theory of real functions. Topics include limits, continuity and derivatives and associated topics. Prerequisite: MATH 3330 with a grade of "C" or higher.
- 3398 Discrete Mathematics II. (3-0) A continuation of discrete Mathematics I. Prerequisite: MATH 2358 with a grade of "C" or higher.
- 4302 Principles of Mathematics II. (3-0) Algebraic reasoning and probability with selected topics from quantitative reasoning, measurement, statistics, and geometry are integrated with middle school pedagogical practices such as inquiry learning and use of technology. Appropriate correlated lessons, writing components, and culturally responsive teaching are incorporated. Prerequisite: MATH 2312 with a grade of "C" or higher.
- 4303 Capstone Mathematics for Middle School Teachers. (3-0) A rigorous, integrated, analytical perspective of mathematical topics; quantitative reasoning, geometry and measurement, probability and statistics, number theory and algebraic reasoning. May not be applied towards a mathematics minor. Must be taken before student teaching. Prerequisites: Math 2331 or 2472 and Math 3315 with grades of "C" or higher.
- 4304 Math Understandings. (3-0) Basic concepts underlying algebra, geometry, trigonometry, and calculus taught from an advanced standpoint, including historical, philosophical, and cultural significance. May not be applied toward a minor in mathematics. Must be taken before student teaching. Prerequisite: MATH 3315 and 2331 or 2472 with grades of "C" or higher.
- 4305 Probability and Statistics. (3-0) A course covering sample spaces, probability of events, binomial and multinomial distributions, random variables, normal approximations, statistical inference, and applications. Prerequisite: MATH 3305 with a grade of "C" or higher.
- 4306 Fourier Series and Boundary Value Problems. (3-0) Advanced solution methods for differential equations; partial differential equations; series approximations, Fourier series; boundary value problems typical of scientific applications. Prerequisite: MATH 3323 with a grade of "C" or higher.
- 4307 Modern Algebra. (3-0) A course covering elementary set theory, structures, functions, and concepts of modern algebra. Prerequisites: MATH 3330 with a grade of "C" or higher and MATH 3325 or 3377 with a grade of "C" or higher.
- 4311 Introduction to the History of Mathematics. (3-0) A survey of the development of major mathematical topics, including geometry, algebra, calculus, and advanced mathematics. Philosophical and cultural aspects will be integrated with the structure, theorems, and applications of mathematics. May not be applied toward a minor in mathematics. Prerequisite: MATH 3315 with a grade of "C" or higher and MATH 2331 or 2472 with a grade of "C" or higher. (WI)
- 4315 Analysis II. (3-0) A continuation of MATH 3380. Topics include integration, series and sequences of functions and associated topics. Prerequisite: MATH 3380 with a grade of "C" or higher.
- 4330 General Topology. (3-0) Topics include introductory treatment of convergence, continuity, compactness, connectedness and fixed points in topological spaces with special emphasis on metric spaces. Prerequisite: MATH 3330 or 3380 with a grade of "C" or higher.
- 4336 Studies in Applied Mathematics. (3-0) Selected topics including Laplace transforms, complex variables, advanced calculus for applications, calculus of variations, integral equations, intermediate differential equations, vector analysis, etc. May be repeated once for credit with a different topic. Prerequisite: Consent of instructor.
- 4382 The Literature and Modern History of Mathematics and Its Applications. (3-0) This course will focus on mathematical articles in recent journals. The articles will be re-written so that the proofs and comments are more easily understood by the casual reader. This embellishment of journal articles will take place in class with the class participating, in groups

for outside work and as individual assignments. May not be applied toward a minor in mathematics. Prerequisites: A grade of "C" or higher in two of these three: MATH 3380, 4307, or 4330. (WI)

Department of Physics

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DEGREE PROGRAMS OFFERED

BA, major in Physics
BS, major in Physics

MINOR OFFERED

Physics

Physics, the study of matter and energy, is at the root of every field of natural science and underlies all physical phenomena. The problem-solving skills learned in the study of physics are valuable even if one's career is not in a physics-related field.

The BS with a major in Physics provides a rigorous background in physics as a preparation for graduate studies or a career in industry. The BA with a major in Physics is for students who want a background in physics but plan to pursue fields of interest other than physics as a life's work.

Career opportunities for a physics major exist in a wide variety of settings—from teaching in a classroom to basic research in an industrial or government laboratory, as a self-employed consultant, or as a member of a multidisciplinary research team.

Students who enter Texas State needing mathematics at a level below MATH 2417 are urged to attend a summer session to avoid any delay in starting their physics courses.

Pre-Engineering: There are two pre-engineering options offered through the Department of Physics for those students who want an engineering program that is not currently offered at Texas State. Option 1: Called a 3-2 option in which students spend approximately six semesters in a physics and mathematics curriculum. The student must complete at least 96 hours of prescribed work that is required by the Department. All of the prescribed course work must be earned in residence or as dual credit, IB, or AP credit prior to enrollment at Texas State. A student who is approved to be in the 3-2 pre-engineering program and who later earns an engineering degree from an approved engineering school in the state of Texas may be granted a bachelor's degree by Texas State. The student must (1) satisfy all general education core curriculum requirements, (2) satisfy all prescribed coursework for the major and minor, and (3) request a degree audit in the College of Science Advising Center before leaving Texas State. After completing the entire program, students receive both an engineering degree from the school they attended and a BS in Physics from Texas State. Option 2: Students spend three to six semesters taking courses basic

to the field of engineering they intend to enter and then transfer to the engineering school to pursue a degree, but do not earn a degree from Texas State.

Because of the many choices of curricula in the field of engineering, all pre-engineering students, from the time they first enroll, should regularly consult with their advisor in selecting courses. Failure to do so may result in loss of transfer credit. Even courses accepted for transfer credit by another university may not apply toward a degree in engineering. Only those courses acceptable by the dean of the student's elected engineering school may be counted toward the corresponding degree.

Concerning transfer of courses, Texas State has entered into transfer articulation agreements with The University of Texas at Austin, Texas A&M, Texas Tech University, and the University of Texas at San Antonio. These agreements specify suggested equivalences of courses. For additional information, contact your academic advisor.

For more information contact the College of Science Advising Center or the departmental advisor for the Department of Physics. For information on engineering technology, electrical engineering, industrial engineering, and manufacturing engineering see the Ingram School of Engineering and Department of Engineering Technology sections of this catalog.

Teacher Certification

Students interested in seeking a Physical Science (Texas Grades 8-12) certification should contact the Science Advisor for requirements. Initial or additional certification may also be acquired as a post-baccalaureate or graduate student. Students interested in certification are strongly encouraged to see the Science Advisor early in their undergraduate program or certification process.

Bachelor of Arts
Major in Physics
Minimum required: 120 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. The major requires 31-34 hours.
4. 9-12 additional hours of advanced physics courses selected from PHYS 3315 (spring), 3414 (fall), 3416 (spring), 3417 (fall), 4310 (fall), 4311 (fall), 4312 (spring), 4315 (spring), 4317 (fall), 4320 (see dept.), 4321 (see dept.), or 4340 (spring).
5. Majors should consult the department advisor or the College of Science Advising Center before choosing a minor and the electives.
6. BIO 1430 and 1431 may be taken instead of CHEM 1141, 1341 and 1142, 1342 listed below.
7. ENG 3303 Technical Writing course can be substituted for the second English literature course from the general education core curriculum.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MATH 2471	4	PHYS 1430	4	PHYS 2425	4	PHYS 2435	4
US 1100	1	MATH 2472	4	CHEM 1141, 1341 (see gen. req. 6)	4	CHEM 1142, 1342 (see gen. req. 6)	4
ENG 1310	3	ENG 1320	3	Modern Language 1410	4	Modern Language 1420	4
POSI 2310	3	HIST 1310	3	Social Science Component (see gen. req. 2)	3	PHIL 1305	3
COMM 1310	3	PFW one course	1				
PFW one course	1						
Total	15	Total	15	Total	15	Total	15

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
PHYS 3312	3	PHYS 3320	3	PHYS Electives (see gen. req. 4)	3-4	PHYS Electives (see gen. req. 4)	6-8
MATH 3373	3	PHYS 3411	4	Minor/Electives (see gen. req. 1, 5 & 7)		Minor/Electives (see gen. req. 1 & 5)	5-8
Modern Language 2310	3	MATH 3323	3	ART, DAN, MU, or TH 2313	6		
HIST 1320	3	Modern Language 2320	3	Second ENG Literature (see gen. req. 2 & 7)	3		
ENG Literature (see gen. req. 2)	3	POSI 2320	3		3		
				Total			
Total	15	Total	16		15-16	Total	13-14

**Bachelor of Science
Major in Physics**
Minimum required: 120 semester hours

General Requirements:

1. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
2. See the University College section of this catalog for general education core curriculum requirements.
3. If two years of the same foreign language were taken in high school, then no additional language hours required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
4. The major requires at least 44-46 semester hours.
5. At least 9-11 advanced PHYS chosen from: PHYS 3315 (spring), 3416 (spring), 3417 (fall), 4311 (fall), 4317 (fall), 4320 (see dept.), 4321 (see dept.), or 4340 (spring) or courses approved by the department advisor.
6. Recommended minor is mathematics. Minors and electives should be chosen in consultation with the academic advisor.
7. BIO 1430 and 1431 may be taken instead of CHEM 1141, 1341, and 1142, 1342 listed below.

Freshman Year - 1st Semester		Freshman Year - 2nd Semester		Sophomore Year - 1st Semester		Sophomore Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
MATH 2471	4	PHYS 1430	4	PHYS 2425	4	PHYS 2435	4
US 1100	1	MATH 2472	4	MATH 3323	3	MATH 3373	3
ENG 1310	3	ENG 1320	3	CHEM 1141, 1341 (see gen. req. 7)	4	CHEM 1142, 1342 (see gen. req. 7)	4
POSI 2310	3	HIST 1310	3	PHIL 1305	3	ENG Literature (see gen. req. 2)	3
COMM 1310	3	PFW one course	1			Minor (see gen. req. 6)	3
PFW one course	1						
Total	15	Total	15	Total	14	Total	17

Junior Year - 1st Semester		Junior Year - 2nd Semester		Senior Year - 1st Semester		Senior Year - 2nd Semester	
Course	Hr	Course	Hr	Course	Hr	Course	Hr
PHYS 3312	3	PHYS 3320	3	PHYS 4310	3	PHYS 4312	3
PHYS 3414	4	PHYS 3411	4	PHYS electives (see gen. req. 5)	6-8	PHYS 4315	3
Social Science Component (see gen. req. 2)	3	Electives/Minor (see gen. req. 1,3 & 6)	6	Electives/Minor (see gen. req. 1,3 & 6)	4	PHYS electives (see gen. req. 5)	3
HIST 1320	3	POSI 2320	3			Electives/Minor (see gen. req. 1,3 & 6)	3-5
ART, DAN, MU, or TH 2313	3						
Total	16	Total	16	Total	13-15	Total	12-14

Minor in Physics

A minor in Physics requires PHYS 1430, 2425, 2435, and 3312, and at least six hours of advanced physics.

Courses in Physics (PHYS)

1110 (PHYS 1105) Elementary Physics Laboratory. (0-2) This course explores and illustrates some of the basic principles covered in PHYS 1310 and 1320. This lab should be taken as you take the second of the two courses, PHYS 1310 and 1320.

1140 (PHYS 1111) Introductory Laboratory in Astronomy. (0-2) An introduction to the constellations, the uses of telescopes, and other material relating to the study of stars and planets. This course is designed to be taken with PHYS 1340 or 1350 for those students desiring a laboratory course.

1310 (PHYS 1305) Elementary Physics. (3-0) A non-mathematical survey of mechanics, properties of matter, heat and sound. These topics are described in a conceptual way with applications relating to the world around us. The laboratory experience may be obtained in a separate one-hour credit lab (PHYS 1110). PHYS 1310 and 1320 are designed for the liberal arts student. The order in which they are taken is not important. They are not recommended for pre-engineering students or majors and minors in science. The laboratory experience is recommended with the second course.

1320 (PHYS 1307) Elementary Physics. (3-0) A non-mathematical survey of electricity, magnetism, light, relativity, and atomic and nuclear physics. These topics are described in a conceptual way with applications relating to the world around us. The laboratory experience may be obtained in a separate one-hour credit lab (PHYS 1110). PHYS 1310 and 1320 are designed for the liberal arts student. The order in which they are taken is not important. They are not recommended for pre-engineering students or majors and minors in science. The laboratory experience is recommended with the second course.

1340 (PHYS 1312) Astronomy: Solar System. (3-0) A study of the solar system. Topics included are a study of the sun, the planets and their satellites, the comets, and other components of the solar system. Some aspects of telescopes and ancient astronomy will be included also.

1350 (PHYS 1311) Astronomy: Stars and Galaxies. (3-0) A study of the universe beyond the solar system. Topics included are a study of the stars and star clusters, nebulae, galaxies, and an introduction to some aspects of cosmology.

1410 (PHYS 1401) General Physics I. (3-2) This course is the first of a two semester sequence which is a survey of the basic laws and principles of physics and includes the topics of mechanics and heat. Emphasis is on solutions to physics problems; a knowledge of algebra and basic trigonometry is essential. PHYS 1410 and 1420 are designed for those students whose program requires technical physics, but who are not pre-engineering students or majors or minors in physics. Prerequisite: MATH 1315 with a grade of "C" or higher. MATH 1317 is recommended.

1420 (PHYS 1402) General Physics II. (3-2) This is the second course in a two semester sequence which is a survey of the basic laws and principles of physics and includes the topics of waves, electricity and magnetism, and light. PHYS 1410 and 1420 are designed for those students whose program

requires technical physics, but who are not pre-engineering students or majors or minors in physics. Prerequisites: PHYS 1410; MATH 1315 with a grade of "C" or higher. MATH 1317 is recommended.

1430 (PHYS 2425) Mechanics. (3-3) This course covers the principles of classical mechanics through problem solving and laboratory investigations. PHYS 1430, 2425, and 2435 are designed for students majoring in physics and for pre-engineering students. Credit for both PHYS 1410 and 1430 cannot be given. Co-requisite: MATH 2471. (MC)

2425 (PHYS 2426) Electricity and Magnetism. (3-3) A study of the field of electricity and magnetism for physics majors and minors. PHYS 1430, 2425, and 2435 are designed for those students majoring or minoring in physics and for pre-engineering students. Credit in both PHYS 1420 and 2425 cannot be given. Prerequisite: PHYS 1430. Co-requisite MATH 2472.

2435 (PHYS 2427) Waves and Heat. (3-3) A study of the fields of wave motion, sound, light and heat at a beginning level for physics majors and minors. Prerequisites: MATH 2472 and PHYS 2425.

3301 Musical Acoustics. (3-0) A survey of the physics of sound and acoustic measurement. Special emphasis will be placed on sound production, propagation, and perception as applied to music. Prerequisites: PHYS 1410 and 1420 or equivalent.

3312 Modern Physics. (3-0) An introduction to the foundations of modern physics, including the following topics: relativistic mechanics, kinetic theory of matter, quantization of charge, light and energy, the atom, wave nature of particles, and the Schrodinger equation. Prerequisite: PHYS 2435.

3315 Thermodynamics. (3-0) The fundamental study of thermodynamics and statistical mechanics. Prerequisites: PHYS 2435 or 1420; MATH 3323.

3320 Introduction to Mathematical Physics. (3-0) An introduction to the mathematical methods of theoretical physics with emphasis on the vectorial-functional approach emphasized in current research literature. Applications will be made to certain fundamental problems of mechanics and electromagnetic field theory. Prerequisite: MATH 3373. Co-requisite: MATH 3323.

3411 Advanced Physics Laboratory. (2-6) Experiments in modern physics, with emphasis on demonstrating quantum effects and introducing nuclear physics. Prerequisite: PHYS 3312. (WI)

3414 Mechanics. (4-0) Fundamentals of classical mechanics focusing on the physical description of the behavior of single and multiple particle systems. Topics include advanced problem-solving strategies for systems with position and velocity-based forces, simple harmonic oscillators, non-inertial reference systems, gravitation and central forces, and rigid body motion. Prerequisite: PHYS 2435.

3416 Applied Electronics. (3-4) Laboratory/lecture course introducing electronic test bench methods for the construction, operation and analysis of important DC/AC circuits utilizing resistors, capacitors, diodes, BJTs, FETs, OpAmps, and analog/digital ICs. The behavior of the circuits will be modeled in SPICE. Elementary semiconductor device physics and microfabrication methods will be discussed. Prerequisite: PHYS 2435. (WI)

- 3417 Optics. (3-3) A one-semester survey of geometrical and physical optics accompanied by laboratory experience. Topics covered include electromagnetic waves and their propagation, geometrical optics, polarization, interference, diffraction, Fourier optics, and holography. Prerequisite: PHYS 2435. (WI)
- 4310 Electromagnetic Field Theory I. (3-0) An introduction to the electromagnetic field theory of classical physics for static fields. Topics included will be the electrostatic field, polarization and dielectrics, electrostatic energy, magnetic field of steady currents, magneto static energy, and magnetic properties of matter. Prerequisites: MATH 3323 and 3373; PHYS 3320 (or equivalent preparation with instructor approval).
- 4311 Condensed Matter Physics. (3-0) Application of physics principles to solid materials. Topics include crystal structure and the reciprocal lattice, including x-ray diffraction, crystal binding and elastic properties, lattice vibrations, energy bands, semiconductors and metals. Prerequisite: PHYS 3312.
- 4312 Quantum Mechanics, Part I. (3-0) An introductory course on quantum mechanics. Topics include concepts and formulation of quantum mechanics. Hamiltonian operator and Schrodinger equation, harmonic oscillator, matrix formulation of quantum mechanics, uncertainty principle, potential barrier problems, and the hydrogen atom. Prerequisites: MATH 3323; PHYS 3312, 3320, and six additional hours of advanced physics.
- 4315 Electromagnetic Field Theory II. (3-0) An introduction to the electromagnetic field theory of classical physics for time varying fields. Topics included will be electromagnetic induction, time varying electric and magnetic fields, Maxwell's equations, electromagnetic energy, electromagnetic waves and radiation, and a brief introduction to some specialized topics. Prerequisite: PHYS 4310.
- 4317 Computational Physics. (3-3) Introduction to computational techniques for problem-solving and research beyond the standard techniques of most physics courses. Numerical, symbolic, and simulation methods applied to modern physics using advanced mathematical software and a high-level programming language. Prerequisites: PHYS 3320 and six additional hours of advanced physics or instructor approval.
- 4320 Selected Study in Physics. (3-0) Topics are chosen in theoretical and experimental areas of current interest in physics with specific topic to be discussed agreed upon prior to registration. May be repeated once with different emphasis and professor for additional credit. Prerequisite: Instructor approval.
- 4321 Undergraduate Research. (0-9) A research project in physics to be carried out under the supervision of a faculty member by upper division physics majors. Student must contact a faculty member in advance to arrange topic and specific course objective. Course may be repeated only as an elective towards the BS or BA in physics. Prerequisite: Instructor approval.
- 4340 Materials Physics Laboratory. (0-9) A laboratory based course introducing a broad array of materials synthesis and characterization methods. The specific subjects will be coordinated with topics of current interest in the literature and will be chosen by mutual consent of the student and faculty advisor. Prerequisites: PHYS 3416, 3411, and 4311. (WI)
- 4370 Capstone Course. (0-6) Individual research on a topic selected by the student and department chair resulting in a formal paper and seminar. (WI)

Faculty

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Spencer, David, Senior Lecturer, Criminal Justice. J.D., Ph.D., University of Texas at Austin.

Spencer, Gregory F., Associate Professor, Physics. Ph.D., University of Florida.

Spradley, Martha K., Assistant Professor, Anthropology. Ph.D., University of Tennessee.

Springer, Stephen B., Associate Professor and Program Chair, Occupational Education. Ed.D., Texas A&M University.

Squires, Vickie, Lecturer, Family and Consumer Sciences, M.E.M.T., University of Kansas.

Sriraman, Vedaraman, Professor and Chair, Engineering Technology. D.Eng., Lamar University.

Stafford, Mark C., Professor, Criminal Justice. Ph.D., University of Arizona.

Stahl, David S., Lecturer, Theatre and Dance. M.F.A., University of Texas at Austin.

Stapleton, William A., Assistant Professor, Ingram School of Engineering. Ph.D., University of Alabama.

Stark, Lois, Lecturer, Curriculum and Instruction. M.Ed., University of Mary-Hardin Baylor.

Starkes, Kathryn E., Lecturer, Curriculum and Instruction. Ph.D., University of Texas at Austin.

Stein, M. Robin, Assistant Professor, Music. D.A., University of Northern Colorado.

Stein, Richard J., Senior Lecturer, Mathematics. M.S., University of Wyoming.

Stephan, Karl D., Professor, Ingram School of Engineering. Ph.D., University of Texas at Austin.

Stephens, Elizabeth C., Professor, Curriculum and Instruction. Ed.D., University of Houston.

Stephenson, Sandria, Assistant Professor, Counseling, Leadership, Adult Education, and School Psychology. Ph.D., University of Georgia.

Stern, Harold P., Professor and Director, Ingram School of Engineering. Ph.D., University of Texas at Arlington.

Stewart, Sue L., Senior Lecturer, Communication Studies. M.A., Texas State University-San Marcos.

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Stiritz, Lori L., Senior Lecturer, Communication Disorders. M.A., Case Western Reserve University.

Stokes, Alexis, Assistant Professor, Finance and Economics. J.D., Harvard Law School.

Stokes, Thomas J., Jr., Assistant Professor, Respiratory Care. M.A. University of Phoenix.

Stone, Barry D., Assistant Professor, Art and Design. M.F.A., University of Texas at Austin.

Stone, Patricia Ann, Senior Lecturer, Theatre and Dance. M.A., University of Illinois.

Stone, William Edwin, Professor, Criminal Justice. Ph.D., Sam Houston State University.

Stouffer, Willard Brewer, Jr., Professor, Political Science. Ph.D., Duke University.

Stroup, Laura J., Assistant Professor, Geography. Ph.D., University of South Carolina.

Strickland, Sharon K., Assistant Professor, Mathematics. Ph.D., Michigan State University.

Stutts, Mary Ann, Professor, Marketing. Ph.D., Texas A&M University.

Stutzman, James R., Professor, Finance and Economics. Ph.D., University of Houston.

Subervi, Federico, Professor, Journalism and Mass Communication and Director, Center for Study of Latino Media and Markets. Ph.D., University of Wisconsin-Madison.

Suckling, Philip W., Professor and Chair, Geography. Ph.D., University of British Columbia.

Suh, Taewon, Associate Professor, Marketing. Ph.D., St. Louis University.

Sullivan, Alfred Burke, Professor, Political Science. Ph.D., University of Utah.

Summers, Emily J., Assistant Professor, Curriculum and Instruction. Ed.D., University of Houston.

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Supancic, P. Michael, Assistant Professor, Criminal Justice. Ph.D., University of Texas at Austin.

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Swol, Lawrence W., Lecturer, Management. M.B.A., Our Lady of the Lake University.

T

Tajalli, Hassan, Associate Professor, Political Science. Ph.D., University of Texas at Austin.

Tally, Robert T., Jr., Assistant Professor, English. J.D., Duke University; Ph.D., University of Pittsburgh.

Tamir, Dan, Assistant Professor, Computer Science. Ph.D., Florida State University.

Tanner, Glenn, Associate Professor, Finance and Economics. Ph.D., University of Washington.

Tarver, Gina M., Assistant Professor, Art and Design. Ph.D., University of Texas at Austin.

Tate, Jitendra S., Assistant Professor, Ingram School of Engineering. Ph.D., North Carolina Agricultural and Technical State University

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Taylor, Ruth Arleen, Professor, Marketing. Ph.D., North Texas State University.

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Thickstun, Thomas Lusk, Professor, Mathematics. Ph.D., University of California-San Diego.

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Thomas, Naymond E., Professor, Music. D.M.A., University of Oklahoma.

Thompson, Steven C., Professor, Accounting. Ph.D., University of Houston.

Thorne, Debbie M., Professor, Marketing and Associate Vice President of Academic Affairs. Ph.D., University of Memphis.

Thurman, Quint, Professor and Chair, Criminal Justice. Ph.D., University of Massachusetts.

Tiefenbacher, John P., Professor, Geography. Ph.D., Rutgers University.

Tighe, Frank, Lecturer, Health and Human Performance. M.Ed., University of Texas at Austin.

Tijerina, Mary Sylvia, Associate Professor, Social Work. Ph.D., University of Texas at Austin.

Tilka, Susan Diane, Senior Lecturer, English. M.A., Marquette University.

Tiller, Glynn L., Lecturer, Political Science. Ph.D., University of Houston.

Tocaimaza, Carmen C., Lecturer, Modern Languages. M.A., Brigham Young University.

Todd, Mark E., Professor, Art and Design. M.A., M.F.A., University of Iowa.

Toews, Michelle L., Associate Professor, Family and Consumer Sciences. Ph.D., Ohio State University.

Toles, J. Holland, Senior Lecturer, Finance and Economics. Ph.D., Texas Tech University, C.F.A.

Tomasso, Joseph R., Professor and Chair, Biology. Ph.D., University of Memphis.

Torrejón, Ricardo Marcelo, Professor, Mathematics. Ph.D., University of Iowa.

Tower, Mollie, Lecturer, Music. M.M., University of Texas at Austin.

Trad, Megan L., Assistant Professor, Radiation Therapy. M.S.R.S., Midwestern State University.

Trauth, Denise M., President and Professor, Journalism and Mass Communication. Ph.D., University of Iowa.

Travis, Raphael, Jr., Assistant Professor, Social Work. D. P.H., University of California-Los Angeles.

Trepagnier, Barbara A., Professor, Sociology. Ph.D., University of California at Santa Barbara.

Trinidad, Jose A., Assistant Professor, Finance and Economics. Ph.D., Drexel University.

Tseng, Hsing-Huang, Professor, Ingram School of Engineering. Ph.D., Princeton University.

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Turner, Cameron J., Lecturer, English. M.A., University of Nevada.

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U

Ugalde, Sharon Elizabeth, Professor, Modern Languages. Ph.D., Stanford University.

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V

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Vanderberg, Mark A., Lecturer, Marketing. M.B.A., University of Hartford.

Vandiver, Donna, Associate Professor, Criminal Justice. Ph.D., Sam Houston State University.

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W

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Wilson, Steven Michael, Professor, English. M.A., Texas Christian University; M.F.A., Wichita State University.
Winek, Gary Joseph, Professor, Engineering Technology. Ph.D., University of Maryland.
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Withrow, Brian L., Associate Professor, Criminal Justice. Ph.D., Sam Houston State University.
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Woodard, Richelle S., Lecturer, Health and Human Performance. B.S.Ed., New Mexico State University.
Wright, Robert L., Lecturer, Engineering Technology. M.A., Texas State University-San Marcos.
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Wuest, Beth S., Associate Professor, Family and Consumer Sciences and Director, Academic Development and Assessment. Ph.D., University of Minnesota.
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Y

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Yi, Ha Chin, Assistant Professor, Finance and Economics. Ph.D., University of Kentucky.
Yick, Joseph Kong Sang, Professor, History. Ph.D., University of California at Santa Barbara.
You, Byoung Hee, Assistant Professor, Engineering Technology. Ph.D., Louisiana State University.
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Yuan, Lijun, Associate Professor, Philosophy. Ph.D., University of Colorado.
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Z

Zamora, Josephine H., Clinical Assistant Professor, Nursing. M.S.N., University of the Incarnate Word.
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Zare, Khalil, Lecturer, Mathematics. Ph.D., University of Texas at Austin.
Zhan, F. Benjamin, Professor, Geography. Ph.D., State University of New York at Buffalo.
Zhang, Yixin, Assistant Professor, Biology. Ph.D., Umea University.
Zhao, Qiang, Assistant Professor, Mathematics. Ph.D., University of Missouri-Columbia.
Zhu, Pinfan, Assistant Professor, English. Ph.D., Texas Tech University.
Zielinski, Gary M., Senior Lecturer, Mathematics. M.S., Ball State University.
Zigrossi, Christopher J., Lecturer, Management. M.B.A., University of Phoenix.
Zigrossi, Sam J., Lecturer, Management. M.B.A., Golden Gate University.
Zimmermann, Jo An M., Assistant Professor, Health and Human Performance. Ph.D., Clemson University.
Zmiky, Jonathan T., Lecturer, Journalism and Mass Communication. M.A., Texas State University-San Marcos.

PRESIDENT EMERITI (IN PERPETUITY)

Supple, Jerome H.*, Ph.D., President Emeritus (4/1/89-8/31/02)
Hardesty, Robert L., B.A., President Emeritus (11/1/81-6/13/88)

DISTINGUISHED PROFESSOR EMERITI (IN PERPETUITY)

Abernathy, Elton*, Ph.D., Distinguished Professor of Communication Studies Emeritus (9/1/46-7/15/78)

Avent, Henrietta*, D.P.E., Distinguished Professor of Health, Physical Education and Recreation Emerita (9/1/58-5/31/93)

Barton, James Gabriel*, M.A., Distinguished Professor of Communication Studies Emeritus (6/1/46-1/15/80)

Bechtol, William*, Ed.D., Distinguished Professor of Curriculum and Instruction Emeritus (8/1/77-2/16/98)

Beck, John J., Jr., Ph.D., Distinguished Professor of Educational Administration Emeritus and Dean of the College of Education (7/10/79-8/31/07)

Blanchard, Lydia A., Ph.D., Distinguished Professor of English Emerita (9/1/83-5/31/07)

Bowles, Ira Renay*, Ed.D., Distinguished Professor of Music Emeritus (9/1/47-7/15/86)

Brunson, Martha Luan, Ph.D., Distinguished Professor of English Emerita (9/1/67-7/15/98)

Buie, Tollie R.*, Ed.D., Distinguished Professor of Agriculture Emeritus (9/1/45-7/31/76)

Calsbeek, Franklin A., Ed.D., Distinguished Professor of Health, Physical Education and Recreation Emeritus (9/1/74-8/31/95)

Carman, Douglas Gary, Ph.D., Distinguished Professor of Finance and Economics Emeritus, (9/1/78-5/31/01)

Caruana, Louis B., Ph.D., Distinguished Professor of Clinical Laboratory Science Emeritus (10/9/75-5/31/00)

Craddock, Emmie*, Ph.D., Distinguished Professor of History Emerita and Director of the Honors Program (9/1/50-7/15/80)

Davis, Wilbon P., M.A., Distinguished Professor of Computer Science Emeritus (9/1/66-8/31/05)

Early, Grady G., Ph.D., Distinguished Professor of Computer Science Emeritus (9/1/71-1/15/00)

Farlow, Daniel Edward*, M.A., Distinguished Professor of Political Science Emeritus (6/1/59-5/31/89)

Fitch, John W., III, Ph.D., Distinguished Professor of Chemistry and Biochemistry Emeritus (9/1/67-8/31/98)

Fling, Sheila, Ph.D., Distinguished Professor of Psychology Emerita (9/1/75-5/31/00)

Gravitt, Garland Jack*, Ph.D., Distinguished Professor of English Emeritus and Dean of the College of Liberal Arts (9/1/71-5/31/00)

Hannon, Daniel L., Ph.D., Distinguished Professor of Theatre Emeritus, (9/1/81-5/31/98)

Hannan, Herbert H., Ph.D., Distinguished Professor of Biology Emeritus (9/1/60-8/31/89)

Hatcher, Barbara A., Ed.D., Distinguished Professor of Curriculum and Instruction Emeritus (7/15/75-8/31/08)

Hays, Joan C., Ph.D., Distinguished Professor of Dance Emeritus, (9/1/64-5/31/03)

Henderson, Richard B.*, Ph.D., Distinguished Professor of Political Science Emeritus (6/1/49-5/31/84)

Houston, Ralph H.*, Ph.D., Distinguished Professor of English Emeritus (9/1/37-7/31/78)

Jorgenson, Christabel B., Ph.D., Distinguished Professor of School Psychology Emerita (9/1/76-7/15/98)

Jorgenson, David E., Ph.D., Distinguished Professor of Sociology Emeritus (9/1/76-5/31/99)

Juel, Martin Oliver*, Ph.D., Distinguished Professor of Curriculum and Instruction Emeritus (9/1/50-5/31/81)

Kissler, Betty Jane*, Ph.D., Distinguished Professor of History Emerita (9/1/58-8/31/93)

McBride, Michael H., Ed.D., Distinguished Professor of Journalism and Mass Communication Emeritus (9/1/83-5/31/01)

Meixner, Wilda F., Ph.D., Distinguished Professor of Accounting Emerita (9/1/86-1/15/08)

Morgan, Celia A., Ph.D., Distinguished Professor of Economics Emerita (9/1/71-1/15/94)

Newsom, Rollo K., Ph.D., Distinguished Professor of Sociology and Folklore Emeritus (9/1/66-7/15/96)

Norris, William Elmore*, Ph.D., Distinguished Professor of Biology Emeritus and Dean of the University (9/1/49-8/31/82)

Northcutt, Robert A., Ph.D., Distinguished Professor of Mathematics, (9/1/64-7/15/06)

Patterson, Larry T., Ph.D., Distinguished Professor of Marketing Emeritus (7/15/80-5/31/01)

Piersol, Darrell T., Ph.D., Distinguished Professor of Management Emeritus (9/1/82-1/15/97)

Renfro, Paula C., Ph.D., Distinguished Professor of Journalism and Mass Communication Emeritus (9/1/83-5/31/07)

Rogers, J. Lloyd*, Ph.D., Distinguished Professor of Education Emeritus and Dean of the School of Education (6/1/36-8/31/73)

Schultz, Clarence D., Ph.D., Distinguished Professor of Sociology Emeritus (9/1/65-7/31/90)

Shell, Lon R., Ed.D., Distinguished Professor Agriculture Emeritus (9/1/71-7/15/01)

Smith, Milton L., Jr., Ph.D., Distinguished Professor of Educational Administration Emeritus (9/1/77-1/15/90)

Swinney, Everette, Ph.D., Distinguished Professor of History Emeritus (9/1/57-7/15/96)

Stimmel, D. Theron, Ph.D., Distinguished Professor of Psychology Emeritus (9/1/69-8/31/08)

Waltz, Robert W.*, Ph.D., Distinguished Professor of English Emeritus (9/1/59-5/31/87)

Whiteside, Bobby, Ph.D., Distinguished Professor of Biology Emeritus (9/1/67-5/31/00)

Yager, Billy J., Ph.D., Distinguished Professor of Chemistry and Biochemistry Emeritus (9/1/62-5/31/01)

Zedler, Empress Young*, Ph.D., Distinguished Professor of Special Education Emerita (3/1/48-8/31/79)

*Deceased

PROFESSOR EMERITI (LIFETIME DESIGNATION)

Abrahamson, Royce L., Ph.D., Professor of Management (9/1/65-8/31/96)

Anderson, Robert Ernest, Ph.D., Professor of Physics (9/1/66-7/31/91)

Andrews, Gregory A., Ph.D., Professor of History (9/1/88-8/31/09)

Ballard, John Roger, Ed.D., Professor of Technology (9/1/56-7/31/83)

Bennett, Roger E., Ph.D., Professor of Mass Communication and Chair of the Department of Mass Communication (7/16/79-8/31/96)

Bishop, Bill J., Ph.D., Professor of Accounting (9/1/71-1/15/90)

Brister, Louis E., Ph.D., Professor of Modern Languages (9/1/66-5/31/05)

Brown, Judith Karen, Ph.D., Professor of Social Work (9/1/76-7/31/08)

Burke, George C., III, D.P.H., Professor of Health Administration (9/1/84-5/31/09)

Burkhardt, John Edward, Ph.D., Professor of Physical Education (8/1/90-5/31/02)

Bynum, James L., Ed.D., Professor of Curriculum and Instruction (9/1/69-1/31/93)

Carson, C. Dee, Ph.D., Professor of Agriculture (9/1/77-8/31/01)

Champion, James J., Ph.D., Professor of Spanish (9/1/74-8/31/00)

Chatfield, John A., Ph.D., Professor of Mathematics (9/1/65-5/31/04)

Davis, Bob, Ph.D., Professor of Agriculture (8/1/88-5/31/00)

Dolezal, Charles H., Ph.D., Professor of Curriculum and Instruction (1/15/77-5/31/05)

Edwards, Sidney, Ph.D., Professor of Biology (9/1/64-5/31/85)

Elliot, James Denton, Ph.D., Professor of Agriculture (9/1/52-5/31/81)

Eure, Jack D., Jr., Ph.D., Professor of Marketing (9/1/69-5/31/06)

Eyton, J. Ronald, Ph.D., Professor of Geography (7/16/95-1/15/06)

Flaherty, Daniel J., Ph.D., Professor of Accounting (8/15/97-1/15/06)

Fiammang, Robert A., Ph.D., Visiting Professor of Finance and Economics (9/1/91-5/31/07)

Ford, Ramona L., Ph.D., Professor of Sociology (9/1/79-5/31/00)

Galvan, Roberto Arispe, Ph.D., Professor of Modern Languages (6/1/64-7/15/83)

Gillis, Marguerite K., Ed.D., Professor of Curriculum and Instruction (9/1/79-5/31/05)

Good, Elmer Leon, Ph.D., Professor of Agriculture (8/1/77-5/31/88)

Green, Donald C., Ph.D., Professor of Respiratory Care and Dean of the School of Health Professions (9/1/65-8/31/92)

Greer, Carole, M.F.A., Professor of Art and Design (9/1/77-1/15/07)

Gross, Dalton H., Ph.D., Professor of English (9/1/66-5/31/04)

Hammond, Dicky E., Ed.D., Professor of Curriculum and Instruction (7/15/80-11/30/97)

Harrelson, Donald Biggerstaff, M.B.A., Professor of Criminal Justice (1/16/71-1/31/87)

Hefner, Robert Lee, Ph.D., Professor of Educational Administration and Psychological Services (9/1/71-1/31/92)

Hellman, Allen D., Ph.D., Professor of Geography and Planning (9/1/66-8/31/84)

Herkimer, Allen G., Jr., Ed.D., Professor of Health Administration (9/1/86-5/31/96)

Hill, John S., Ph.D., Professor of English (7/13/77-8/31/08)

Humphrey, Joseph L., Ph.D., Professor of Accounting (9/1/72-7/15/09)

Hunnicutt, Garland G., Ph.D., Professor of Management (9/1/73-5/31/04)

Ingram, Angela J.C., Ph.D., Professor of English (9/1/79-5/31/04)

Jager, Ronald Burke, Ph.D., Professor of History (9/1/67-5/31/93)

Johnston, Walter Edward, Ph.D., Professor of Computer Information Systems and Quantitative Methods (9/1/80-7/15/98)

Josserand, Frank B., Ph.D., Professor of History (9/1/65-5/31/99)

Kalsi, Marie-Louise S., Ph.D., Professor of Philosophy (1/16/85-5/31/01)

Keck, Theodore F., Ph.D., Professor and Chair of the Department of Health, Physical Education and Recreation (9/1/70-8/31/89)

Koehn, Robert D., Ph.D., Professor of Biology (9/1/67-5/31/02)

Kolbe, William D., M.S.A.E., Professor of Art (7/10/64-5/31/92)

Lewis, Melanie C., Ph.D., Professor of Biology (9/1/77-1/15/99)

March, Frederick J., M.A., Professor and Chair of the Department of Theatre (9/1/67-5/31/99)

Marlow, Foster Leroy, Ed.D., Professor of Art (9/1/68-1/15/91)

Martin, Roy B., Ph.D., Professor of Computer Information Systems and Quantitative Methods (9/1/86-5/31/05)

Matlock, Donald T., Ph.D., Professor of Philosophy (9/1/68-7/31/00)

McCoy, Ingeborg Ruberg, Ph.D., Professor of German (9/1/70-8/31/98)

McDaniel, Elizabeth, Ph.D., Professor of Educational Administration and Psychological Services (9/1/69-1/31/86)

Mc Ewen, Henry Nylon, Ph.D., Professor of Mathematics (9/1/60-8/31/83)

Michalk, Victor E., Ph.D., Professor of Physics (9/1/68-5/31/07)

Miller, Damon J., Ph.D., Professor of Educational Administration and Psychological Services (9/1/67-8/31/95)

Moore, Betty J., Ph.D., Professor of Curriculum and Instruction (9/1/73-5/31/89)

Moore, Nelwyn B., Ph.D., Professor of Family and Consumer Sciences (9/1/63-5/31/00)

Morgan, George W., Ph.D., Professor of Computer Information Systems and Quantitative Methods (1/16/82-5/31/04)

Neely, James Bert, D.Mus., Professor of Music (9/1/81-8/31/09)

Nicosia, Ralph Timothy, Ed.D., Professor of Curriculum and Instruction (9/1/71-7/15/98)

Oles, Henry J., Ph.D., Professor of Psychology (9/1/71-1/15/92)

Oliver, Joseph R., Ph.D., Professor of Accounting (9/1/80-5/31/04)

Olney, Robert J., Ph.D., Professor of Management and Associate Dean of the McCoy College of Business Administration (1/16/82-1/31/09)
Parkin-Speer, Diane, Ph.D., Professor of English (9/1/69-5/31/08)
Perry, Reeves B., Ph.D., Professor of Chemistry and Biochemistry (9/1/66-1/15/99)
Pierson, Michael J., Ed.D., Professor of Occupational Education (1/16/75-7/15/06)
Raffeld, Paul C., Ph.D., Professor of Psychology and Director of the Testing, Research Support and Evaluation Center (9/1/84-1/15/06)
Randolph, Robert M., Ph.D., Professor of English (9/1/85-1/15/05)
Reeves-Marquardt, Dona, Ph.D., Professor of Modern Languages (9/1/61-5/31/94)
Renfro, Paula C., Ph.D., Professor of Journalism and Mass Communication (9/1/83-5/31/07)
Rose, Francis L., Ph.D., Professor of Biology (7/16/91-5/31/08)
Rosenbalm, John O., Ph.D., Professor of English (9/1/71-7/15/01)
Ruiz, Maria Paez de, Ph.D., Professor of Modern Languages (5/10/78-1/15/98)
Rydl, Glen M., Ph.D., Professor of Agriculture (9/1/68-5/31/01)
Sawyers, Phyllis O., M.A., Professor of Art (9/1/62-5/31/92)
Scribner, Alicia P., Ph.D., Professor of Educational Administration and Psychological Services (9/1/93-5/31/05)
Short, Alvin P., Ph.D., Professor of Sociology (9/1/71-5/31/99)
Sissom, Stanley L., Ph.D., Professor of Biology (9/1/67-1/15/97)
Smith, Jean Amelia, D.P.E., Professor of Health, Physical Education and Recreation (9/1/53-1/31/84)
Stansberry, John C., M.M., Professor of Music (9/1/81-5/31/08)
Stea, David, Ph.D., Professor of Geography (7/16/97-8/31/06)
Stephenson, Stanley D., Ph.D., Professor of Computer Information Systems and Quantitative Methods (9/1/81-8/31/04)
Stuessy, Joe, Ph.D., Professor of Music (8/1/03-8/31/07)
Summers, Jim W., Ph.D., Professor of Health Administration (9/1/88-5/31/09)
Taylor, Mary Agnes, M.A., Professor of English (9/1/67-5/31/91)
Thomas, Jerry Leon, Ph.D., Professor of Curriculum and Instruction (9/1/70-5/31/98)
Tuff, Donald W., Ph.D., Professor of Biology (9/1/63-5/31/98)
Watkins, Ted, D.S.W., Professor of Social Work (1/1/00-6/30/05)
Weller, Eric C., M.F.A., Professor of Music (9/1/78-8/31/08)
Whalin, John Robert, D. Mus., Professor of Music (9/1/64-1/15/01)
Whitenberg, David Calvin, Ph.D., Professor of Biology (9/1/65-7/31/93)
Williamson, Bobby L., Ed.D., Professor of Curriculum and Instruction (9/1/66-5/31/93)
Willms, Charles R., Ph.D., Professor of Chemistry and Biochemistry (9/1/59-5/31/97)
Wilson, James A., Ph.D., Professor of History (9/1/70-7/15/01)
Wilson, R. Neal, M.F.A., Professor of Art and Design (1/23/71-5/31/09)
Wilson, Wilton Leland, Ph.D., Professor of Marketing (7/15/59-8/31/90)
Wolverton, Byron A., Ph.D., Professor of Music (9/1/64-1/15/98)
Woolsey, Timothy D., D.M.A., Professor of Music (9/1/75-5/31/08)
Worley, Stinson E., Ed.D., Professor of Curriculum and Instruction (9/1/66-8/31/96)
Wortham, Marshall Ross, M.F.A., Professor of Art and Design (9/1/65-8/31/98)
Wright, Lloyd S., Ed.D., Professor of Psychology (9/1/74-5/31/00)
Yeary, James D., Ph.D., Professor of Accounting (9/1/74-1/15/95)
Young, Willard C., Ph.D., Professor of Biology (9/1/67-5/31/90)
Zunker, Vernon G., Ed.D., Professor of Education (9/1/68-8/31/92)

ASSOCIATE PROFESSOR EMERITI (LIFETIME DESIGNATION)

Abel, Burt Michael, D.V.M., Associate Professor of Agriculture (9/1/75-7/15/02)
Beck, Shirley S., Ed.D., Associate Professor of Curriculum and Instruction (1/16/87-5/31/97)
Benjamin, Caroline P., Ph.D., Associate Professor of Biology (8/1/70-1/15/01)
Blythe, Hal T., Ph.D., Associate Professor of Curriculum and Instruction (9/1/68-8/31/88)
Boone, Joy L., Ed.D., Associate Professor Health Services and Research (9/1/81-7/31/98)
Borm, Alfred Ervin, Ph.D., Associate Professor of Mathematics (1/15/65-1/31/93)
Brieger, Alton Gerhardt, M.A., Associate Professor of History (7/1/64-8/31/85)
Brunner, Peggy Gregory, M.M., Associate Professor of Music (9/1/68-5/31/01)
Carnes, Michael R., Ph.D., Associate Professor of Educational Administration and Psychological Services (6/1/85-1/15/08)
Champagne, Gerald B., M.S., Associate Professor of Agriculture (9/1/55-7/15/84)
Compton, Ross D., Ph.D., Associate Professor of Chemistry and Biochemistry (9/1/66-7/15/04)
Davis, Charles H., Ph.D., Associate Professor of Quantitative Methods (9/1/83-7/15/01)
Davis, Richard L., Ph.D., Associate Professor of Modern Languages (9/1/65-5/31/84)
Dunn, Margaret E., Ph.D., Associate Professor of Curriculum and Instruction and Director of the Center for Initiatives in Education (7/24/78-3/31/01)
Fitch, Suzanne P., M.A., Associate Professor of Communication Studies (9/1/67-1/15/98)
Fry, Morris Aaron, M.S., Associate Professor of Mathematics (9/1/60-8/31/76)
Gaddis, Marilyn T., Ph.D., Associate Professor of Curriculum and Instruction (9/1/78 - 8/31/94)
Garner, Lydia M., Ph.D., Associate Professor of History (9/1/92-5/31/09)
Granato, Nancy O., M.F.A., Associate Professor of Family and Consumer Sciences (9/1/83-7/15/09)
Hall, Elizabeth Ann, Ph.D., Associate Professor of Curriculum and Instruction (9/1/90-6/30/03)
Hardin, Dale, J.D., Associate Professor of Political Science (9/1/77-7/31/92)

Harkins, Cade J., M.S.H.P., Associate Professor of Respiratory Care (9/1/83-8/31/04)
Helm, Raymond, Ph.D., Associate Professor of Agriculture (9/1/67-8/31/85)
Henry, William Gammon, Jr., Ph.D., Associate Professor of Curriculum and Instruction (9/1/67-5/31/90)
Hoffmann, Keith F., Ed.D., Associate Professor of Physical Education (9/1/63-5/31/98)
Hughes, Billie E., Ed.D., Associate Professor of Counseling and Guidance (9/1/67-8/31/87)
Jackson, William R., Jr., Associate Professor of Physics (9/1/67-5/31/00)
Kostroun, Phillip W., M.Ed., Associate Professor of Clinical Laboratory Science (11/10/75-1/15/08)
Leavell, Judy A., Ph.D., Associate Professor of Curriculum and Instruction (9/1/93-8/31/06)
Lee, Orland S., Ph.D., Associate Professor of Accounting (9/1/79-1/15/94)
Liddle, William D., Ph.D., Associate Professor of History (9/1/62-7/15/02)
Mandeville, Thomas, Ph.D., Associate Professor of Curriculum and Instruction (9/1/91-7/15/03)
McCabe, Thomas F., Ph.D., Associate Professor Computer Science (9/1/80-1/15/05)
Merryman, Sandra S., Ph.D., Associate Professor of Psychology (9/1/70-1/31/07)
Moore, Joe M., Ed.D., Associate Professor of Curriculum and Instruction (9/1/68-1/15/98)
Newberry, William C., Ed.D., Associate Professor of Curriculum and Instruction (9/1/66-1/15/97)
Ogden, Robert D., Ph.D., Associate Professor of Computer Science (9/1/83-7/15/04)
Polk, James E., D.M., Associate Professor of Music (9/1/90-5/31/06)
Ratiff, Ernest F., Jr., Ph.D., Associate Professor of Mathematics (9/1/71-5/31/07)
Reese, Marianne, Ph.D., Associate Professor of Educational Administration and Psychological Services (6/1/92-1/31/06)
Reese, Otis G., M.B.A., Associate Professor of Accounting (9/1/56-1/15/90)
Renfro, Robert Bruce, Ph.D., Associate Professor of Journalism and Mass Communication (9/1/85-5/31/06)
Reynolds, Martha H., Ph.D., Associate Professor of Music (9/1/67-8/31/93)
Sawey, Ronald M., Ph.D., Associate Professor of Computer Science (9/1/76-5/31/09)
Schmidt, Darlene H., Ph.D., Associate Professor of Health, Physical Education and Recreation (9/1/68-5/31/05)
Scholwinski, Edward J., Ph.D., Associate Professor of Educational Administration and Psychological Services (9/1/83-7/15/06)
Scott, Charlotte Robinson, Ph.D., Associate Professor of Health, Physical Education and Recreation (9/1/68-1/31/91)
Sergi, Leonore G., Associate Professor of Music, Certificate of Completion (9/1/93-5/31/02)
Smith, Barry D., Ph.D., Associate Professor of Criminal Justice (9/1/84-5/31/01)
Smith, Howard G., Ph.D., Associate Professor of Accounting (9/1/86-7/15/03)
Spear, Arthur Walsh, M.A., Associate Professor of Physics (9/1/56-8/31/84)
Stalnaker, Sylvia D., Ph.D., Associate Professor of Family and Consumer Sciences (1/15/73-1/15/98)
Starling, Betty Ross Jones, Ph.D., Associate Professor of English (9/1/67-1/15/94)
Thompson, Glenda Sue, Ph.D., Associate Professor of Family and Consumer Science (9/1/84-5/31/07)
Treanor, Betty M., M.A., Associate Professor of Family and Consumer Sciences (9/1/80-5/31/04)
Upchurch, Marian L., Ph.D., Associate Professor of Health Services and Research (9/1/78-7/31/01)
Waterbury, Olga Dominquez, M.Ed., Associate Professor of Curriculum and Instruction (9/1/61-5/31/81)
Williams, Tommy C., Ph.D., Associate Professor of Art and Design (9/1/70-5/31/06)
Windham, Billy L., Ed.D., Associate Professor of Technology (9/1/63-5/31/99)
Wright, Betty Lee, Ed.D., Associate Professor of Health, Physical Education and Recreation (9/1/69-8/31/85)

ASSISTANT PROFESSOR EMERITI (LIFETIME DESIGNATION)

Archer, Benjamin Francis, M.A.T., Assistant Professor of English (9/1/57-7/31/93)
Borchers, Ralph E., Ed.D., Assistant Professor of Art and Design (9/1/87-1/15/06)
Braffett, Joe Max, M.A., Assistant Professor of English (9/1/62-5/31/97)
Doerr, Roy F., M.A., Assistant Professor of Mathematics (9/1/65-7/15/00)
Evans, Kenneth A., M.A., Assistant Professor of Mathematics (9/1/67-8/31/96)
Finch, Catherine Howard, M.Ed., Assistant Professor of Computer Information Systems and Administrative Sciences (9/1/53-5/31/82)
Goldsmith, James M., M.Ed., Assistant Professor of Technology (2/1/73-5/31/97)
Gross, Mary Jean, Ph.D., Assistant Professor of English (9/1/83-8/31/99)
Hastedt, Laura W., M.B.Ed., Assistant Professor of Computer Information Systems and Administrative Sciences (9/1/57-1/15/85)
Heudier, Jean-Pierre, Ph.D., Assistant Professor of Modern Languages (9/10/72-5/31/96)
Hopson, John Wilbur, M.A., Assistant Professor of Chemistry and Biochemistry (9/1/53-8/31/81)
Laws, Luba S., M.A., Assistant Professor of Modern Languages (9/1/62-5/31/94)
Lee, Daniel H., M.A., Assistant Professor of Mathematics (9/1/67-5/31/06)
McDonald, Vernon Shinn, M.Ed., Assistant Professor of Health, Physical Education and Recreation and Assistant Athletic Director (9/1/53-5/31/88)

Reeh, Albert F., M.Ed., Assistant Professor of Health, Physical Education and Recreation (9/1/60-5/31/91)
Smith, James D., Ph.D., Assistant Professor of Mathematics (9/1/70-5/31/98)
Stott, Cecyl D., M.B.A., Assistant Professor of Accounting (9/1/71-5/31/01)
Thompson, Robert B., Ph.D., Assistant Professor of English (9/1/70-5/31/99)
Tolbert, Evelyn Osman, M.A., Assistant Professor of English (9/1/70-5/31/93)
Webb, Frances M., M.M., Assistant Professor Music (6/1/69-5/31/06)
Yarchuska, John A., M.Ed., Assistant Professor of Technology (2/1/53-6/30/92)

Stouder, Nial Eugene, M.S., Professor and Roy F. and Joann Cole Mitte Endowed Chair in Semiconductor Manufacturing, Education, and Research (2/15/99-2/28/06)
Thomas, Linda D., M.S.H.P., Associate Professor of Health Information Management (9/1/92-5/31/05)
Till, Leon G., M.S., Lecturer of Management (1/16/87-5/31/97)
Toosi, Mohammedali, Ph.D., Instructor of Mathematics (1/16/87-1/15/95)
Turpin, Elizabeth, Ph.D., Assistant Professor of Mass Communication (9/1/82-5/31/85)
Vittrup, John B., M.C.S., Associate Professor of Technology (9/1/87-5/31/91)

INSTRUCTOR EMERITI (LIFETIME DESIGNATION)

Barrett, Patricia Ann, M.A., Instructor of Physical Education (9/1/71-7/15/98)
Brawner, Florence A., M.A., Instructor of History (1/16/83-5/31/98)
Kinlund, Neal W., M.S., Instructor of Health, Physical Education, and Recreation (9/1/73-7/30/06)
McGee, Thomas, M.A., Instructor of Counseling Center/Guidance Counseling (9/1/71-8/31/86)
Shrader, Robert, M.A., Instructor of Mass Communication (9/1/77-8/31/01)
Tucker, Kenneth W., M.A., Instructor of Curriculum and Instruction (9/1/75-6/30/04)

RETIRED FACULTY (LIFETIME DESIGNATION)

Augustin, Byron D., Ph.D., Professor of Geography (6/10/78-8/31/10)
Augustin, Harriet M., M.S., Lecturer of Management (9/1/79-5/31/05)
Barclay, Stephen L., M.B.A., Lecturer of Computer Information Systems and Quantitative Methods (9/1/88-5/31/04)
Belchic, Albert M., M.S., Assistant Professor of Health Administration (1/16/75-1/31/90)
Brice, Clare C., Instructor of Physical Education (9/1/86-1/31/05)
Bynum, Victoria E., Professor of History (9/1/86-1/15/10)
Coleman, Margaret C., Ph.D., Lecturer of Curriculum and Instruction (9/1/03-5/31/07)
Critchfield-Jones, Nancy, M.A., Lecturer of Communication Studies (9/1/86-5/31/05)
Daggett, Marsha Lea, Ph.D., Assistant Professor of Home Economics (9/1/72-2/29/76)
Dorrcott, Joyce W., M.A., Lecturer of Political Science (9/1/77-5/31/94)
Flores, David R., M.A., Lecturer of Criminal Justice (9/1/78-8/31/91)
Fulmer, Christina L., M.A., Senior Lecturer of Philosophy (9/1/93-8/31/09)
Garstka, John E., Ph.D., Associate Professor of Family and Consumer Science (1/1/82-8/31/05)
Godwin, Maxwell Paul, M.B.A., Lecturer of Accounting (9/1/78-1/15/93)
Haddix, F. Furman, Ph.D., Assistant Professor of Computer Science (9/1/00-8/31/07)
Hankins, June Chase, Associate Professor of English (9/1/84-5/31/10)
Hickman, Ada, M.S.I.S., Lecturer of Curriculum and Instruction (6/1/90-8/31/02)
Hickman, Elmer J., M.B.A., Assistant Professor of Accounting (9/1/78-8/31/93)
Hughes, Mamie L., M.A., Lecturer of Health, Physical Education, and Recreation (9/1/75-7/31/91)
Irvin, James D., Professor of Chemistry and Biochemistry (9/1/73-5/31/10)
Johnson, Charles M., Ph.D., Associate Professor of Health Services Research (8/16/76-1/15/06)
Johnson, Herbert E., Ph.D., Lecturer of Finance and Economics (1/1/82-5/31/84)
Johnson, Marion A., M.Ed., Lecturer of Health, Physical Education, and Recreation (9/1/82-5/31/06)
Khoury, Yvonne George, M.S.H.A., Associate Professor of Health Administration (1/16/78-1/15/01)
Knox, Martha E., Ed.D., Associate Professor of Health Services Research (9/1/77-8/31/05)
Kopecky, Helen P., Ph.D., Lecturer of Finance and Economics (8/1/81-5/31/85)
Lawrence, Thomas L., M.S., Senior Lecturer of Physics (1/16/03-5/31/09)
Love, Marvin Dan, M.A., Senior Lecturer of Communication Studies (9/1/97-5/31/07)
Lugones, Nestor A., Ph.D., Assistant Professor of Modern Languages (9/1/00-7/15/05)
Mallard, Arch R., Ph.D., Professor of Communication Disorders (8/29/79-8/31/06)
Melbye, Floyd Jerome, Ph.D., Professor of Anthropology (9/1/04-8/31/09)
Milhomme, Albert J., Ph.D., Professor of Marketing (9/1/93-8/31/06)
Murphy, Maxwell C., Ph.D., Lecturer of Criminal Justice (1/16/88-5/31/95)
Neunhoffer, Charles N., M.B.A., C.P.A., Lecturer of Accounting (2/10/86-1/15/00)
Noone, John B., M.H.A., Assistant Professor of Health Administration (8/23/76-7/31/94)
Nuhn, Benjamin R., B.J., Lecturer of Mass Communication (9/1/76-7/16/86)
O'Kelley, Erin M., M.S.P.T., Clinical Assistant Professor of Health, Physical Education and Recreation (6/1/01-1/31/09)
Perry, Robert C., Ph.D., Lecturer of Modern Languages (9/1/79-8/31/95)
Pevoto, Barbara, Ed.D., Associate Professor of Occupational Education (8/1/99-7/15/07)
Pohl, Patsy R., M.A., Senior Lecturer of English (9/1/79-7/15/09)
Pulver, Robert E., M.B.A., Assistant Professor of Mass Communication (9/1/88-5/31/94)
Ronan, Clifford J., Professor of English (9/1/72-5/31/10)
Scow, Roger D., M.S., Lecturer of Management (9/1/83-5/31/97)
Sellers, Diana S., Ph.D., Assistant Professor of Developmental Education (8/1/73-1/15/00)
Smith, James D., M.A., Lecturer of Criminal Justice (9/1/75-9/1/88)
Sorensen, Wayne B., Associate Professor of Health Administration (9/1/93-5/31/10)
Stedman, Deborah, Ph.D., Lecturer of Educational Administration and Psychological Services (1/16/01-1/31/09)

Index

A

Academic Bankruptcy Policy, 13
Academic Fresh Start, 13
Academic Honors, 35
Academic Policies, 28
Academic Probation, 32
Academic Progress, Satisfactory for Maintaining Financial Aid, 21
Academic Regulations, 30
Academic Suspension, 32
Accounting, 91
Accreditations, 2
ACT (American College Testing Program), 9
Administration, University, 3
Admission, Early, 12
Admissions, 9
Advanced Placement Examinations, 17
Advertising, 149
Aerospace Studies (AFROTC), 53
Agriculture, 54
Agriculture-Business and Management, 57
Air Force Reserve Officers Training Corps (AFROTC), 53
Alkek Library, 19
Alpha Chi, 35
Alpha Lambda Delta, 35
Animal Science, 56
Anthropology, 218
Appeals, 13
Application for Graduation, 34
Applied Arts and Sciences, 83
Applied Arts, 52
Applied Mathematics, 343
Applied Sociology, 287
Applying to Live on Campus, 23
Aquatic Biology, 295
Army Reserve Officer Training Corps (ROTC), 81
Art, 137
Art and Design, 134
Asian Studies, 211
Athletic Training, 124
Attendance, Class, 30
Auditing Courses, 14

B

Bachelor's Degrees, 36
Bachelor's Degree, Second, 34
Bachelor's Degree, Dual, 34
Bible College Accreditation, 14
Biochemistry, 303
Biology, 292
Board of Regents, 2
Business Administration, McCoy College of, 89

C

Career Services, 19
Catalog Designation,
Change of Grade, 32
Chemistry, 305
Chemistry and Biochemistry, 302
CLEP (College Level Examination Program), 17
Clinical Laboratory Science, 185
Communication Design, 135
Communication Disorders, 188
Communication Studies, 145
Computer Information Systems, 95

Computer Information Systems and Quantitative Methods, 94
Computer Science, 311
Concrete Industry Management, 329
Construction Technology, 337
Continuing Education, 42
Core Curriculum, 45
Corrections, 63
Correspondence Studies, 40
Counseling, Leadership, Adult Education, and School Psychology, 120
Course Load, 30
Criminal Justice, 62
Curriculum and Instruction, 113

D

Dance, 178
Deans, Academic, 3
Dean's List, 35
Degree, Time Limit, 35
Degree Audit, Request for, 33
Degrees and Programs, 36
Delinquent Payments, 27
Disability Services, 20
Double Majors, 35
Dropping Classes/Withdrawing from the University, 27
Drop Refunds, 27
Dual Bachelor's Degrees, 34

E

Economics, 98
Education, College of, 110
Educator Preparation, Admission to, 111
Electronic Media, 149
Engineering, Electrical, 320
Engineering, Industrial, 323
Engineering, Ingram School of, 319
Engineering, Manufacturing, 324
Engineering Technology, 328
English, 224
European Studies, 212
Excessive Hours, 24
Exercise and Sports Science, 122
Extension Studies, 41

F

Faculty, 354
Family and Child Development, 71
Family and Consumer Sciences, 67
Fashion Merchandising, 72
Field of Study, 30
Finance, 97
Finance and Economics, 97
Financial Aid, 20
Fine Arts and Communication, 134
French, 257
Freshman Admission, 9

G

General Education Core Curriculum, 45
General Studies, 45
Geographic Information Science, 238
Geography, 233
German, 259
Golden Key National Honor Society, 35
Grade, Change of, 32
Grade-Point Average, 32
Grade-Point Average for Graduation, 34
Grade Reports, 31
Grade Symbols, 31

Graduation with Honors, 35
Graduation Policies, 33

H

Health and Fitness Management, 125
Health and Human Performance, 120
Health and Wellness Promotion, 125
Healthcare Administration, 190
Health Information Management, 193
Health Professions, 185
History, 245
History of the University, 4
Honor Code, 28
Honors, Academic, 35
Honors, Graduation with, 35
Honors Program, University, 47
Honor Societies, 35
Housing Policy, 22

I

Industrial Engineering, 323
Industrial Technology, 335
Interamerican Studies, 213
Interdisciplinary Studies, 114
Interior Design, 73
International Admission, 11
International Office, 42
International Relations, 210
International Students, 11
International Studies, 207

J

Jazz Studies, 165
Journalism, 152
Journalism and Mass Communication, 148

L

Law Enforcement, 64
Legislative Requirements, 29
Liberal Arts, 206
Library, University, 19
Loans, 22

M

Management, 102
Manufacturing Engineering, 324
Manufacturing Technology, 338
Marketing, 107
Mass Communication, 150
Mathematics, 342
McCoy College of Business Administration, 89
Microbiology, 296
Middle East/Africa Studies, 214
Military Credit, 17
Military Science, 81
Mission Statement, 4
Modern Languages, 256
Multicultural and Gender Studies, Center for, 216
Multicultural Policy Statement, 5
Music, 156
Music Studies, 157
Musical Theatre, 177

N

Non-Traditional Credit, 17
Nursing, St. David's School of, 196
Nutrition and Foods, 73

O

Occupational Education, 82
Organizational Communication, 145
Orientation, New Student, 18

P

Parking, Campus, 25
Performance, 160
Philosophy, 267
Photography, 136
Physical Geography, 239
Physical Therapy, 199
Physics, 349
Political Science, 271
Predicted Academic Success Review, 10
Privacy Act of 1974,
Probation, Academic, 32
Psychology, 280
Public Administration, 275
Public Relations, 150

R

Radiation Therapy, 200
Recreational Administration, 126
Refunds, 27
Regional Planning, Urban and, 238
Registration, 28
Repeat Course Fee, 25
Repeating Courses, 32
Residence Life, 22
Residency Requirements for Graduation, 34
Respiratory Care, 202
Resource and Environmental Studies, 237
ROTC, Air Force, 53
ROTC, Army, 81
Round Rock Higher Education Center, 43

S

Scholastic Aptitude Test, 9
Science, 291
Second Bachelor's Degree, 34
Shared Values Statement, 4
Social Work, 85
Sociology, 285
Sound Recording Technology, 166
Spanish, 261
Special Education, 116
Special Student Option, 13
Student Learning Assistance Center, 49
Student Teaching, 112
Studio Art, 136
Study Abroad, 42
Study of the Southwest, Center for, 218
Summer Session Course Load, 30
Suspension, Academic, 32

T

Teacher Certification, 112
Technology, Engineering, 328
Testing Center, 17
Texas Certified Public Manager Program, 42
Texas State Intensive English Language Program, 43
Texas Success Initiative Program, 29
Texas Common Course Numbering System, 15
Texas Legislative Requirements, 29
Theatre, 174
Theatre and Dance, 174

Tours, Campus, 9
Transcripts, 16
Transfer Credit, 14
Transfer Admission, 10
Transient Admission, 13
Tuition and Fees, 23
Tuition, Excessive Hours, 24
Tuition Rebate, 24

U
Undergraduate Academic Advising, 5
University College, 44
Urban and Regional Planning, 238

V
Veteran's Affairs, 23

W
Water Studies, 239
Wildlife Biology, 297
Withdrawals, 28
Writing Intensive, 46

